

## Terminals / Tension clamp connection

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## Overview

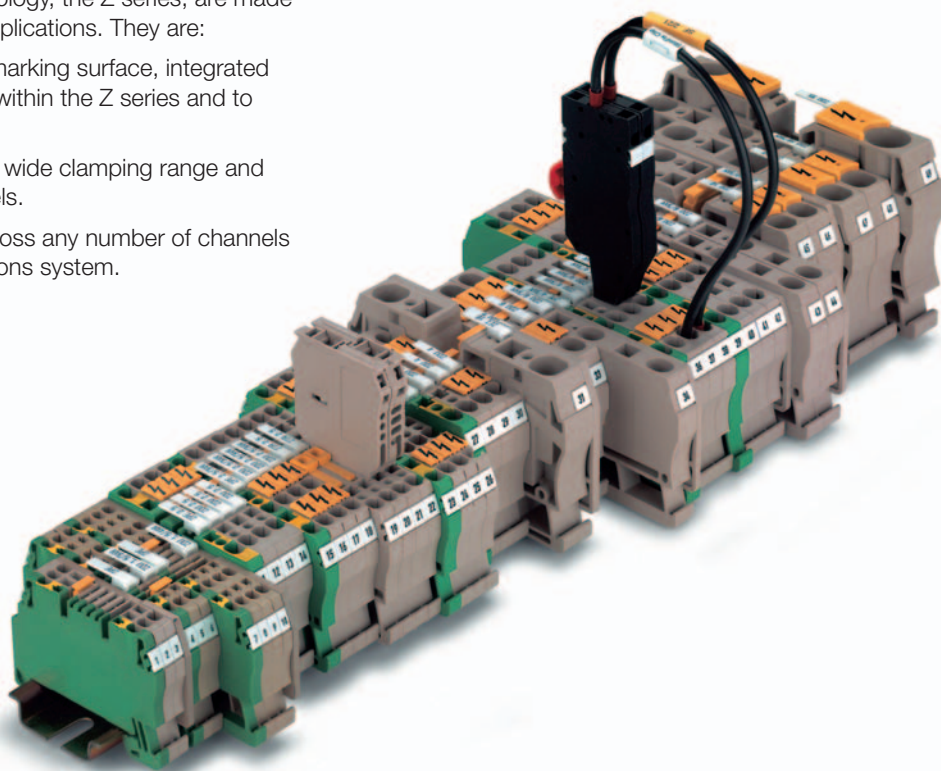
### Tension clamp connection

Terminals with tension clamp technology, the Z series, are made to suit a wide range of customer applications. They are:

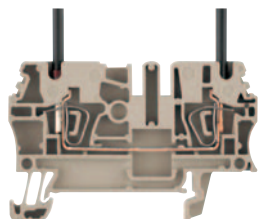
Small structural dimensions, large marking surface, integrated test point, cross-connection ability within the Z series and to other Weidmüller terminal families.

The terminals in the Z series have a wide clamping range and up to two cross-connection channels.

The potential can be distributed across any number of channels using the pluggable cross-connections system.



### Design



#### Z-standard

- Conductor cross-sectional areas ranging from 0.08 to 35 mm<sup>2</sup>
- Top-entry conductor entry parallel to screwdriver actuation



#### Z roof

- Conductor cross-sectional areas ranging from 0.13 to 16 mm<sup>2</sup>
- Up to 36% reduction in length
- Slanting actuation direction

### Product overview

| Rated cross-section                         | 1.5 mm <sup>2</sup> |      | 2.5 mm <sup>2</sup> |      | 4 mm <sup>2</sup> |      | 6 mm <sup>2</sup> |      | 10 mm <sup>2</sup> |      | 16 mm <sup>2</sup> |      | 35 mm <sup>2</sup> |      |
|---------------------------------------------|---------------------|------|---------------------|------|-------------------|------|-------------------|------|--------------------|------|--------------------|------|--------------------|------|
|                                             | Standard            | Roof | Standard            | Roof | Standard          | Roof | Standard          | Roof | Standard           | Roof | Standard           | Roof | Standard           | Roof |
| <b>Feed-through terminals</b>               |                     |      |                     |      |                   |      |                   |      |                    |      |                    |      |                    |      |
| 2 connections                               | •                   |      | •                   | •    | •                 | •    | •                 | •    | •                  |      | •                  | •    | •                  |      |
| 3 connections                               | •                   |      | •                   | •    | •                 | •    | •                 | •    | •                  |      | •                  |      |                    |      |
| 4 connections                               | •                   |      | •                   | •    | •                 | •    |                   |      |                    |      |                    |      |                    |      |
| 2 x 2 connections                           | •                   |      | •                   |      |                   |      |                   |      |                    |      |                    |      |                    |      |
| <b>Protective earth terminals</b>           |                     |      |                     |      |                   |      |                   |      |                    |      |                    |      |                    |      |
| 2 connections                               | •                   |      | •                   | •    | •                 | •    | •                 | •    | •                  |      | •                  | •    | •                  |      |
| 3 connections                               | •                   |      | •                   | •    | •                 | •    | •                 | •    | •                  |      | •                  |      |                    |      |
| 4 connections                               | •                   |      | •                   | •    | •                 | •    |                   |      |                    |      |                    |      |                    |      |
| <b>Fuse terminal</b>                        |                     |      |                     |      |                   |      |                   |      |                    |      |                    |      |                    |      |
|                                             |                     |      | •                   | •    |                   |      | •                 |      |                    |      |                    |      |                    |      |
| <b>Measuring and isolating terminal</b>     |                     |      |                     |      |                   |      |                   |      |                    |      |                    |      |                    |      |
|                                             |                     |      | •                   | •    |                   |      | •                 |      |                    |      |                    |      |                    |      |
| <b>Supply terminal</b>                      |                     |      |                     |      |                   |      |                   |      |                    |      |                    |      |                    |      |
|                                             |                     |      |                     |      |                   |      | •                 |      |                    |      | •                  | •    |                    |      |
| <b>Neutral conductor terminal</b>           |                     |      |                     |      |                   |      |                   |      |                    |      |                    |      |                    |      |
|                                             |                     |      | •                   |      | •                 |      | •                 |      | •                  |      | •                  |      | •                  |      |
| <b>Double level terminal</b>                |                     |      |                     |      |                   |      |                   |      |                    |      |                    |      |                    |      |
|                                             | •                   |      | •                   | •    | •                 |      | •                 |      |                    |      |                    |      |                    |      |
| <b>3-core distribution terminals</b>        |                     |      |                     |      |                   |      |                   |      |                    |      |                    |      |                    |      |
|                                             |                     |      | •                   |      |                   |      |                   |      |                    |      |                    |      |                    |      |
| <b>Pluggable terminals</b>                  |                     |      |                     |      |                   |      |                   |      |                    |      |                    |      |                    |      |
|                                             |                     |      | •                   |      |                   |      |                   |      |                    |      |                    |      |                    |      |
| <b>Miniature block terminals</b>            |                     |      |                     |      |                   |      |                   |      |                    |      |                    |      |                    |      |
|                                             |                     |      | •                   |      |                   |      |                   |      |                    |      |                    |      |                    |      |
| <b>Initiator/actuator terminals</b>         |                     |      |                     |      |                   |      |                   |      |                    |      |                    |      |                    |      |
|                                             |                     |      | •                   |      |                   |      |                   |      |                    |      |                    |      |                    |      |
| <b>Terminals with electronic components</b> |                     |      |                     |      |                   |      |                   |      |                    |      |                    |      |                    |      |
|                                             |                     |      | •                   | •    |                   |      |                   |      |                    |      |                    |      |                    |      |

### The connection

In accordance with Weidmüller's contact principle, the tension clamp system also separates electrical and mechanical functions.

- Steel tension clamp provides optimum contact force
- Copper busbars for low-voltage loss



### Pluggable cross-connections

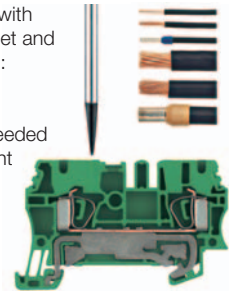
- 2- to 10-pole or "continuous" for individual assembly
- Full rated current
- Poles can be broken out in order to bypass terminals



### Simple to use

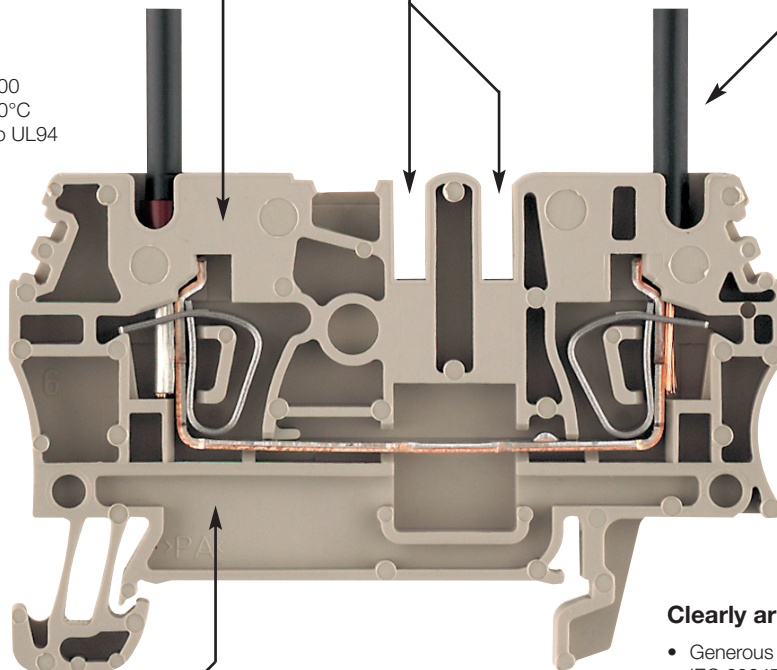
Practical connection with parallel conductor inset and screwdriver actuation:

- TOP connection technology
- No special tools needed
- Integrated test point



### Wemid insulation

- Resistant to creepage CTI 600
- Temperature range up to 120°C
- Flammability class V0 acc. to UL94
- Contains no halogen or phosphorous



### Clearly arranged for greater safety

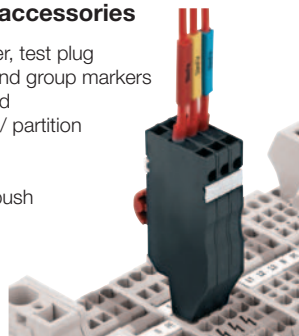
- Generous clamping space acc. to IEC 60947-1 for easy handling
- Can be used for connecting conductors from 0.08 to 35 mm<sup>2</sup>
- One conductor can be clamped in each terminal point acc. to IEC 60999

### Safe contacts

- Maintenance-free connection for lifelong safe contact
- Gas-proof contact area
- Surface-treated busbar for protection from oxidation
- 100% vibration proof
- High contact force

### Extensive accessories

- Test adapter, test plug
- Standard and group markers can be used
- End plates / partition plates
- Covers
- Reducing bush



### Standards

The high contact safety and reliability of Weidmüller's systems is verified by:

- Type testing to IEC 60947-7-1/-2/-3 standards
- Supplementary Weidmüller tests
- National and international approvals
- ATEX approval



# Feed-through terminals

## Standard model

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Tightening torque range clamping screw                 | Nm              |
| Stripping length / blade size                          | mm / -          |

## Information

## Ordering data

| Version     |                  |
|-------------|------------------|
|             | dark beige Wemid |
|             | blue Wemid       |
| Information |                  |

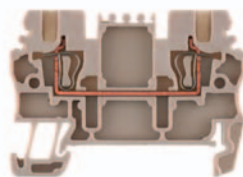
## Accessories

| Cross-connection, pluggable                                                                        |                                 |
|----------------------------------------------------------------------------------------------------|---------------------------------|
|                 | 2-pole                          |
|                                                                                                    | 3-pole                          |
|                                                                                                    | 4-pole                          |
|                                                                                                    | 10-pole                         |
|                                                                                                    | 30-/41-/50-pole                 |
| (ZQV)                                                                                              |                                 |
| End plate / partition                                                                              |                                 |
|                                                                                                    | dark beige Wemid                |
|                                                                                                    | blue Wemid                      |
| End bracket                                                                                        |                                 |
|                                                                                                    | dark beige Wemid                |
| Test adapter                                                                                       |                                 |
| for testing of wired terminal strips                                                               | Standard version                |
|                                                                                                    | With spigot                     |
| Screwdriver                                                                                        |                                 |
|                 | w. cutting device "swifty set"  |
|                                                                                                    | Standard version                |
| Reducing sleeves                                                                                   |                                 |
|                                                                                                    | for conductors < 0.5mm / AWG 20 |
|                                                                                                    | for conductors < 1.0mm / AWG 18 |
| Cover                                                                                              |                                 |
|                 | With elec. shock warn. symbol   |
|                                                                                                    | neutral                         |
| Marking systems (see large assortment in chapter M)                                                |                                 |
|                                                                                                    | Tags                            |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                                 |

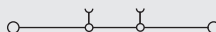
## ZDU 1.5

1.5 mm<sup>2</sup>

### Two connections



3.5 x 51.5 x 37  
17.5 / 1.5  
0.08 ... 1.5



IEC 60947-7-1

EEx e II  T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 500      | 300          | 300         | 550      |
| 17.5     | 15           | 20          | 15       |
| 1.5      | AWG 26 ...14 | AWG 26...14 | 1.5      |
| 6 / 3    |              |             |          |
| B1 / V-0 |              |             |          |



KEMA 01ATEX2106 U

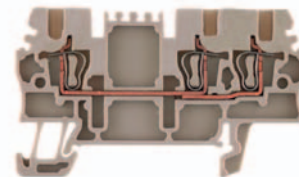
| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...1.5             |                       |
| 0.5...1.5 / 0.5...1.5 |                       |
| 10 / 0.4 x 20         |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

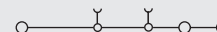
## ZDU 1.5/3 AN

1.5 mm<sup>2</sup>

### Three connections



3.5 x 63.5 x 37  
17.5 / 1.5  
0.08 ... 1.5



IEC 60947-7-1

EEx e II  T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 500      | 300          | 300         | 550      |
| 17.5     | 15           | 20          | 15       |
| 1.5      | AWG 26 ...14 | AWG 26...14 | 1.5      |
| 6 / 3    |              |             |          |
| B1 / V-0 |              |             |          |



KEMA 01ATEX2106 U

| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...1.5             |                       |
| 0.5...1.5 / 0.5...1.5 |                       |
| 10 / 0.4 x 20         |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type       | Qty. | Order No.  |
|------------|------|------------|
| ZDU 1.5    | 100  | 1775480000 |
| ZDU 1.5 BL | 100  | 1775490000 |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 1.5/2  | 17.5        | 60   | 1776120000 |
| ZQV 1.5/3  | 17.5        | 60   | 1776130000 |
| ZQV 1.5/4  | 17.5        | 60   | 1776140000 |
| ZQV 1.5/10 | 17.5        | 20   | 1776200000 |

| Width [mm]         |                   |
|--------------------|-------------------|
| ZAP/TW ZDU 1.5/2AN | 3.5 20 1776030000 |
| ZAP/TW 1.5/2BL     | 3.5 20 1776040000 |

| Width [mm]            |                   |
|-----------------------|-------------------|
| ZAP/TW ZDU 1.5/3AN    | 3.5 20 1776060000 |
| ZAP/TW ZDU 1.5/3AN BL | 3.5 20 1776070000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

| Width [mm] |               |
|------------|---------------|
| ZTA 5      | 25 1776210000 |
| ZTA 5/ZA   | 25 1776220000 |

| Width [mm]    |               |
|---------------|---------------|
| SD 0,4x2,0x60 | 10 9037160000 |

| Width [mm] |                |
|------------|----------------|
| ZRH 1.5S/1 | 500 1781950000 |
| ZRH 1.5S/2 | 500 1781960000 |

| Width [mm] |               |
|------------|---------------|
| ZAD 7/4    | 20 1781940000 |

| Width [mm]            |  |
|-----------------------|--|
| DEK 5/3,5 / WS 12/3,5 |  |

| Width [mm]            |  |
|-----------------------|--|
| DEK 5/3,5 / WS 12/3,5 |  |

| Width [mm]            |  |
|-----------------------|--|
| DEK 5/3,5 / WS 12/3,5 |  |

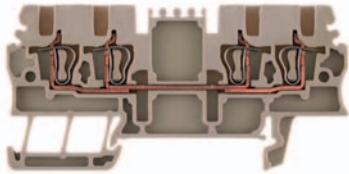
| Width [mm]            |  |
|-----------------------|--|
| DEK 5/3,5 / WS 12/3,5 |  |

# Feed-through terminals

## ZDU 1.5/4 AN

1.5 mm<sup>2</sup>

Four connections



3.5 x 75.5 x 37

17.5 / 1.5

0.08 ... 1.5



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 500      | 300          | 300         | 550      |
| 17.5     | 15           | 20          | 15       |
| 1.5      | AWG 26 ...14 | AWG 26...14 | 1.5      |
| 6 / 3    |              |             |          |
| B1 / V-0 |              |             |          |



KEMA 01ATEX2106 U

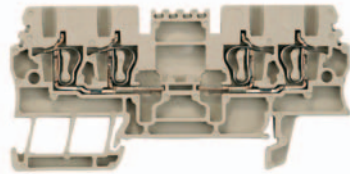
| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...1.5             |                       |
| 0.5...1.5 / 0.5...1.5 |                       |
| 10 / 0.4 x 20         |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller crimping tool PZ 6/5.

## ZDU 1.5 2x2AN

1.5 mm<sup>2</sup>

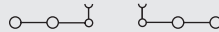
2 x 2 connections



3.5 x 75.5 x 37

/ 1.5

0.08 ... 1.5



IEC 60947-7-1

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 500      | 300          | 300         |          |
| 17.5     | 15           | 20          |          |
| 1.5      | AWG 26 ...14 | AWG 26...14 |          |
| 6 / 3    |              |             |          |
| B1 / V-0 |              |             |          |



| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...1.5             |                       |
| 0.5...1.5 / 0.5...1.5 |                       |
| 10 / 0.4 x 20         |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller crimping tool PZ 6/5.

## ZEI 6

6 mm<sup>2</sup>

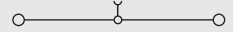
Power distribution terminal



10 x 65 x 45.5

/ 10

0.5 ... 10



IEC 60947-7-1

| IEC      | UL | CSA | EN 50019 |
|----------|----|-----|----------|
| 500      |    |     |          |
| 41       |    |     |          |
| 6        |    |     |          |
| 8 / 4    |    |     |          |
| A5 / V-0 |    |     |          |



| Rated connection   | Additional connection |
|--------------------|-----------------------|
| 0.5...10           |                       |
| 0.5...10 / 0.5...6 |                       |
| 13 / 5.5 x 1.0     |                       |

Rated voltage is reduced to 400V resp. the rated voltage of the distribution terminals.

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| ZDU 1.5/4AN    | 100  | 1775580000 |
| ZDU 1.5/4AN BL | 100  | 1775600000 |

| Type             | Qty. | Order No.  |
|------------------|------|------------|
| ZDU 1.5 2X2AN    | 100  | 1826970000 |
| ZDU 1.5 2X2AN BL | 100  | 1826990000 |

| Type  | Qty. | Order No.  |
|-------|------|------------|
| ZEI 6 | 20   | 1791190000 |

End plate is integrated.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 1.5/2  | 17.5        | 60   | 1776120000 |
| ZQV 1.5/3  | 17.5        | 60   | 1776130000 |
| ZQV 1.5/4  | 17.5        | 60   | 1776140000 |
| ZQV 1.5/10 | 17.5        | 20   | 1776200000 |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 1.5/2  | 17.5        | 60   | 1776120000 |
| ZQV 1.5/3  | 17.5        | 60   | 1776130000 |
| ZQV 1.5/4  | 17.5        | 60   | 1776140000 |
| ZQV 1.5/10 | 17.5        | 20   | 1776200000 |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 1.5/2  | 17.5        | 60   | 1776120000 |
| ZQV 1.5/3  | 17.5        | 60   | 1776130000 |
| ZQV 1.5/4  | 17.5        | 60   | 1776140000 |
| ZQV 1.5/10 | 17.5        | 20   | 1776200000 |

| Width [mm]           |     |    |            |
|----------------------|-----|----|------------|
| ZAP/TW ZDU1.5/4AN    | 3.5 | 20 | 1776090000 |
| ZAP/TW ZDU1.5/4AN BL | 3.5 | 20 | 1776100000 |

| Width [mm]           |     |    |            |
|----------------------|-----|----|------------|
| ZAP/TW ZDU1.5/4AN    | 3.5 | 20 | 1776090000 |
| ZAP/TW ZDU1.5/4AN BL | 3.5 | 20 | 1776100000 |

| Width [mm] |  |
|------------|--|
|            |  |

| Width [mm] |   |    |            |
|------------|---|----|------------|
| ZEW        | 6 | 20 | 9540000000 |

| Width [mm] |   |    |            |
|------------|---|----|------------|
| ZEW        | 6 | 20 | 9540000000 |

| Width [mm] |   |            |
|------------|---|------------|
| ZEW        | 6 | 20         |
|            |   | 9540000000 |

| Qty. | Order No.  |
|------|------------|
| 25   | 1776210000 |
| 25   | 1776220000 |

| Qty. | Order No.  |
|------|------------|
| 25   | 1776210000 |
| 25   | 1776220000 |

| Qty. | Order No.  |
|------|------------|
| 25   | 1654050000 |

| Qty. | Order No.  |
|------|------------|
| 10   | 9037160000 |

| Qty. | Order No.  |
|------|------------|
| 10   | 9037160000 |

| Qty. | Order No.  |
|------|------------|
| 10   | 9008340000 |

| Qty. | Order No.  |
|------|------------|
| 500  | 1781950000 |
| 500  | 1781960000 |

| Qty. | Order No.  |
|------|------------|
| 500  | 1781950000 |
| 500  | 1781960000 |

| Qty. | Order No.  |
|------|------------|
| 20   | 1609120000 |

| Qty. | Order No.  |
|------|------------|
| 20   | 1781940000 |

| Qty. | Order No.  |
|------|------------|
| 20   | 1781940000 |

| Qty. | Order No.  |
|------|------------|
| 20   | 1609120000 |

DEK 5/3,5 / WS 12/3,5

DEK 5/3,5 / WS 12/3,5

DEK 8 / WS 12/6

The pluggable cross-connections ZQV 1,5/... can be used.

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

Weidmüller

C.5



# Feed-through terminals

## Standard model

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                                       |                 |
|------------------------------------------------------------------|-----------------|
| Rated voltage                                                    | V               |
| Rated current                                                    | A               |
| Rated cross-section                                              | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity                       | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 Approvals |                 |
| Clampable conductors (H05V/H07V)                                 |                 |
| Solid / stranded                                                 | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                          | mm <sup>2</sup> |
| Tightening torque range clamping screw                           | Nm              |
| Stripping length / blade size                                    | mm / -          |

## Information

## Ordering data

| Version     |                  |
|-------------|------------------|
|             | dark beige Wemid |
|             | blue Wemid       |
| Information |                  |

## Accessories

| Cross-connection, pluggable                                                         |                 |
|-------------------------------------------------------------------------------------|-----------------|
|  | 2-pole          |
|                                                                                     | 3-pole          |
|                                                                                     | 4-pole          |
|                                                                                     | 10-pole         |
|                                                                                     | 30-/41-/50-pole |

| End plate / partition |                  |
|-----------------------|------------------|
|                       | dark beige Wemid |
|                       | blue Wemid       |

| End bracket |                  |
|-------------|------------------|
|             | dark beige Wemid |

| Test adapter                         |                  |
|--------------------------------------|------------------|
| for testing of wired terminal strips | Standard version |
|                                      | With spigot      |

| Screwdriver |                                |
|-------------|--------------------------------|
|             | w. cutting device "swifty set" |
|             | Standard version               |

| Reducing sleeves |                                 |
|------------------|---------------------------------|
|                  | for conductors < 0.5mm / AWG 20 |
|                  | for conductors < 1.0mm / AWG 18 |

| Cover |                               |
|-------|-------------------------------|
|       | With elec. shock warn. symbol |
|       | neutral                       |

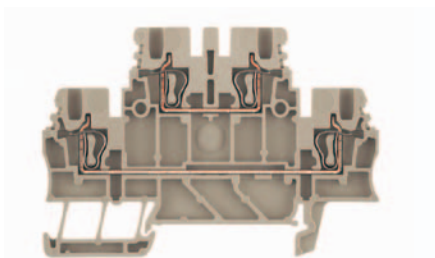
| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZDK 1.5

1.5 mm<sup>2</sup>

### 2-tier terminal



|                        |  |
|------------------------|--|
| <b>3.5 x 75.5 x 50</b> |  |
| <b>/ 1.5</b>           |  |
| <b>0.08 ... 1.5</b>    |  |

IEC 60947-7-1

| IEC  | UL           | CSA         | EN 50019 |
|------|--------------|-------------|----------|
| 500  | 300          | 300         |          |
| 17.5 | 10           | 10          |          |
| 1.5  | AWG 28 ...16 | AWG 28...16 |          |
|      |              | 6 / 3       |          |
|      |              | B1 / V-0    |          |

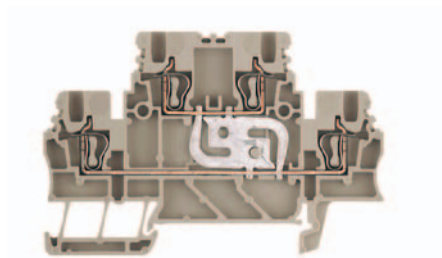
| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...1.5             |                       |
| 0.5...1.5 / 0.5...1.5 |                       |
|                       |                       |
| 10 / 0.4 x 20         |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

## ZDK 1.5V

1.5 mm<sup>2</sup>

### Vertically cross-connected 2-tier terminal



|                        |  |
|------------------------|--|
| <b>3.5 x 75.5 x 50</b> |  |
| <b>/ 1.5</b>           |  |
| <b>0.08 ... 1.5</b>    |  |

IEC 60947-7-1

| IEC  | UL           | CSA         | EN 50019 |
|------|--------------|-------------|----------|
| 500  | 300          | 300         |          |
| 17.5 | 10           | 10          |          |
| 1.5  | AWG 28 ...16 | AWG 28...16 |          |
|      |              | 6 / 3       |          |
|      |              | B1 / V-0    |          |

| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...1.5             |                       |
| 0.5...1.5 / 0.5...1.5 |                       |
|                       |                       |
| 10 / 0.4 x 20         |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type       | Qty. | Order No.  |
|------------|------|------------|
| ZDK 1.5    | 100  | 1791100000 |
| ZDK 1.5 BL | 100  | 1791110000 |

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZDK 1.5V    | 100  | 1791130000 |
| ZDK 1.5V BL | 100  | 1791140000 |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 1.5/2  | 17.5        | 60   | 1776120000 |
| ZQV 1.5/3  | 17.5        | 60   | 1776130000 |
| ZQV 1.5/4  | 17.5        | 60   | 1776140000 |
| ZQV 1.5/10 | 17.5        | 20   | 1776200000 |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 1.5/2  | 17.5        | 60   | 1776120000 |
| ZQV 1.5/3  | 17.5        | 60   | 1776130000 |
| ZQV 1.5/4  | 17.5        | 60   | 1776140000 |
| ZQV 1.5/10 | 17.5        | 20   | 1776200000 |

| Width [mm]       |                 |
|------------------|-----------------|
| ZAP/TW ZDK1.5    | 2 20 1791160000 |
| ZAP/TW ZDK1.5 BL | 2 20 1791170000 |

| Width [mm]       |                 |
|------------------|-----------------|
| ZAP/TW ZDK1.5    | 2 20 1791160000 |
| ZAP/TW ZDK1.5 BL | 2 20 1791170000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

| ZTA 5    | 25 1776210000 |
|----------|---------------|
| ZTA 5/ZA | 25 1776220000 |

| ZTA 5    | 25 1776210000 |
|----------|---------------|
| ZTA 5/ZA | 25 1776220000 |

|               |               |
|---------------|---------------|
| SD 0,4x2,0x60 | 10 9037160000 |
|---------------|---------------|

|               |               |
|---------------|---------------|
| SD 0,4x2,0x60 | 10 9037160000 |
|---------------|---------------|

|            |                |
|------------|----------------|
| ZRH 1.5S/1 | 500 1781950000 |
| ZRH 1.5S/2 | 500 1781960000 |

|            |                |
|------------|----------------|
| ZRH 1.5S/1 | 500 1781950000 |
| ZRH 1.5S/2 | 500 1781960000 |

|         |               |
|---------|---------------|
| ZAD 7/4 | 20 1781940000 |
|---------|---------------|

|         |               |
|---------|---------------|
| ZAD 7/4 | 20 1781940000 |
|---------|---------------|

DEK 5 / WS 10/3,5

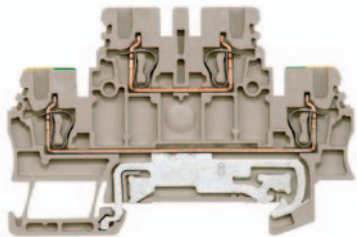
DEK 5 / WS 10/3,5

# Feed-through terminals

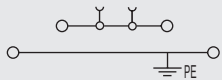
## ZDK 1.5 DU-PE

1.5 mm<sup>2</sup>

2-tier terminal (DU - PE)



3.5 x 75.5 x 50  
/ 1.5  
0.08 ... 1.5



IEC 60947-7-1 (-7-2)

| IEC  | UL           | CSA         | EN 50019 |
|------|--------------|-------------|----------|
| 500  | 300          | 300         |          |
| 17.5 | 10           | 10          |          |
| 1.5  | AWG 28 ...16 | AWG 28...16 |          |
|      | 6 / 3        |             |          |
|      | B1 / V-0     |             |          |



**Rated connection** **Additional connection**

0.5...1.5  
0.5...1.5 / 0.5...1.5

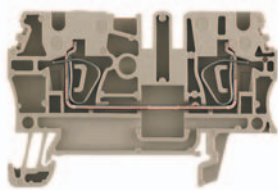
10 / 0.4 x 20

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller crimping tool PZ 6/5.

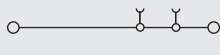
## ZDU 2.5

2.5 mm<sup>2</sup>

Two connections



5.1 x 59.5 x 39.5  
31 / 4  
0.08 ... 4



IEC 60947-7-1

EEx e II T II 2 G D

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 800 | 600          | 600         | 550      |
| 24  | 25           | 27          | 21       |
| 2.5 | AWG 26 ...12 | AWG 26...12 | 2.5      |
|     | 8 / 3        |             |          |
|     | A3 / V-0     |             |          |



KEMA 97ATEX2521 U

**Rated connection** **Additional connection**

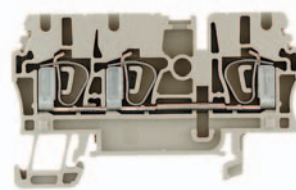
0.5...4  
0.5...4 / 0.5...2.5

10 / 3.5 x 0.6

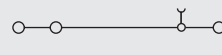
## ZDU 2.5/3AN

2.5 mm<sup>2</sup>

Three connections



5.1 x 64.5 x 39.5  
31 / 4  
0.13 ... 4



IEC 60947-7-1

EEx e II T II 2 G D

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 800 | 600          | 600         | 550      |
| 24  | 25           | 23          | 21       |
| 2.5 | AWG 26 ...12 | AWG 26...14 | 2.5      |
|     | 8 / 3        |             |          |
|     | A3 / V-0     |             |          |



KEMA 97ATEX2521 U

**Rated connection** **Additional connection**

0.5...4  
0.5...4 / 0.5...2.5

10 / 3.5 x 0.6

| Type                                                           | Qty. | Order No.  |
|----------------------------------------------------------------|------|------------|
| ZDK 1.5DU-PE                                                   | 100  | 1791120000 |
| Upper level: Feed-through terminal<br>lower level: PE terminal |      |            |

| Type                                                                  | Qty. | Order No.  |
|-----------------------------------------------------------------------|------|------------|
| ZDU 2.5                                                               | 100  | 1608510000 |
| ZDU 2.5 BL                                                            | 100  | 1608520000 |
| The rated voltage is reduced to 250V when using the cross connection. |      |            |

| Type                                                                  | Qty. | Order No.  |
|-----------------------------------------------------------------------|------|------------|
| ZDU 2.5/3AN                                                           | 100  | 1608540000 |
| ZDU 2.5/3AN BL                                                        | 100  | 1608550000 |
| The rated voltage is reduced to 250V when using the cross connection. |      |            |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 1.5/2  | 17.5        | 60   | 1776120000 |
| ZQV 1.5/3  | 17.5        | 60   | 1776130000 |
| ZQV 1.5/4  | 17.5        | 60   | 1776140000 |
| ZQV 1.5/10 | 17.5        | 20   | 1776200000 |

| Width [mm]       | Qty. | Order No.  |
|------------------|------|------------|
| ZAP/TW ZDK1.5    | 2    | 1791160000 |
| ZAP/TW ZDK1.5 BL | 2    | 1791170000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZEW        | 6    | 9540000000 |

|          |    |            |
|----------|----|------------|
| ZTA 5    | 25 | 1776210000 |
| ZTA 5/ZA | 25 | 1776220000 |

|               |    |            |
|---------------|----|------------|
| SD 0,4x2,0x60 | 10 | 9037160000 |
|---------------|----|------------|

|            |     |            |
|------------|-----|------------|
| ZRH 1.5S/1 | 500 | 1781950000 |
| ZRH 1.5S/2 | 500 | 1781960000 |

|         |    |            |
|---------|----|------------|
| ZAD 7/4 | 20 | 1781940000 |
|---------|----|------------|

DEK 5/3,5 / WS 10/3,5

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

| Width [mm]  | Qty. | Order No.  |
|-------------|------|------------|
| ZAP/TW 1    | 2    | 1608740000 |
| ZAP/TW 1 BL | 2    | 1608750000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZEW        | 6    | 9540000000 |

|          |    |            |
|----------|----|------------|
| ZTA 1    | 25 | 1609040000 |
| ZTA 1/ZA | 25 | 1609050000 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                 |     |            |
|-----------------|-----|------------|
| ZRH 2.5/1 WS    | 100 | 1614300000 |
| ZRH 2.5/2 GR/V0 | 100 | 1614290000 |

|            |    |            |
|------------|----|------------|
| ZAD 1/4 GE | 20 | 1609110000 |
|------------|----|------------|

DEK 5 / WS 10/5

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

| Width [mm]  | Qty. | Order No.  |
|-------------|------|------------|
| ZAP/TW 2 DB | 2    | 1608770000 |
| ZAP/TW 2 BL | 2    | 1608780000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZEW        | 6    | 9540000000 |

|          |    |            |
|----------|----|------------|
| ZTA 1    | 25 | 1609040000 |
| ZTA 1/ZA | 25 | 1609050000 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                 |     |            |
|-----------------|-----|------------|
| ZRH 2.5/1 WS    | 100 | 1614300000 |
| ZRH 2.5/2 GR/V0 | 100 | 1614290000 |

|            |    |            |
|------------|----|------------|
| ZAD 1/4 GE | 20 | 1609110000 |
|------------|----|------------|

DEK 5 / WS 10/5

# Feed-through terminals

## Standard model

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                                       |                 |
|------------------------------------------------------------------|-----------------|
| Rated voltage                                                    | V               |
| Rated current                                                    | A               |
| Rated cross-section                                              | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity                       | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 Approvals |                 |
| Clampable conductors (H05V/H07V)                                 |                 |
| Solid / stranded                                                 | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                          | mm <sup>2</sup> |
| Tightening torque range clamping screw                           | Nm              |
| Stripping length / blade size                                    | mm / -          |

## Information

## Ordering data

| Version |                  |
|---------|------------------|
|         | dark beige Wemid |
|         | blue Wemid       |

## Information

## Accessories

| Cross-connection, pluggable                                                         |                 |
|-------------------------------------------------------------------------------------|-----------------|
|  | 2-pole          |
|                                                                                     | 3-pole          |
|                                                                                     | 4-pole          |
|                                                                                     | 10-pole         |
|                                                                                     | 30-/41-/50-pole |

(ZQV)

| End plate / partition |                  |
|-----------------------|------------------|
|                       | dark beige Wemid |
|                       | blue Wemid       |

| End bracket |                  |
|-------------|------------------|
|             | dark beige Wemid |

| Test adapter                         |                  |
|--------------------------------------|------------------|
| for testing of wired terminal strips | Standard version |
|                                      | With spigot      |

| Screwdriver                                                                         |                                |
|-------------------------------------------------------------------------------------|--------------------------------|
|  | w. cutting device "swifty set" |
|                                                                                     | Standard version               |

| Reducing sleeves |                                 |
|------------------|---------------------------------|
|                  | for conductors < 0.5mm / AWG 20 |
|                  | for conductors < 1.0mm / AWG 18 |

| Cover                                                                               |                                       |
|-------------------------------------------------------------------------------------|---------------------------------------|
|  | With elec. shock warn. symbol neutral |

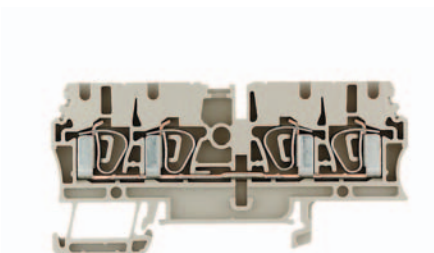
| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

For detailed information on additional accessories and usage instructions see chapter accessories.

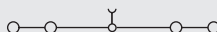
## ZDU 2.5/4AN

2.5 mm<sup>2</sup>

### Four connections



|                   |
|-------------------|
| 5.1 x 79.5 x 39.5 |
| 27 / 4            |
| 0.08 ... 4        |



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 800      | 600          | 600         | 550      |
| 24       | 25           | 23          | 21       |
| 2.5      | AWG 26 ...12 | AWG 26...12 | 2.5      |
| 8 / 3    |              |             |          |
| A3 / V-0 |              |             |          |



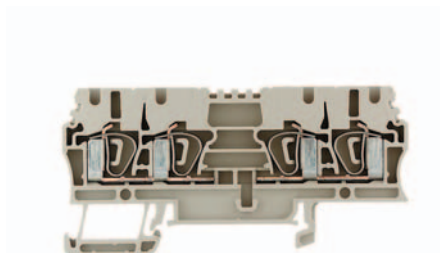
KEMA 97ATEX2521 U

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 0.5...4             |                       |
| 0.5...4 / 0.5...2.5 |                       |
| 10 / 3.5 x 0.6      |                       |

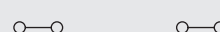
## ZDU 2.5/2x2AN

2.5 mm<sup>2</sup>

### Two potentials possible



|                   |
|-------------------|
| 5.1 x 79.5 x 39.5 |
| 30 / 4            |
| 0.08 ... 4        |



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 800      | 600          | 300         | 550      |
| 24       | 25           | 27          | 21       |
| 2.5      | AWG 26 ...12 | AWG 26...12 | 2.5      |
| 8 / 3    |              |             |          |
| A3 / V-0 |              |             |          |



KEMA 97ATEX2521 U

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 0.5...4             |                       |
| 0.5...4 / 0.5...2.5 |                       |
| 10 / 3.5 x 0.6      |                       |

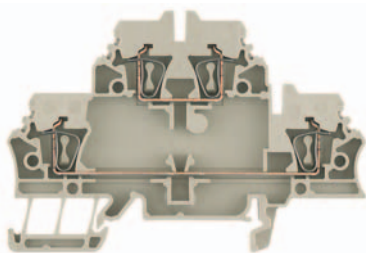


# Feed-through terminals

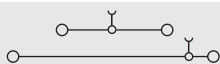
## ZDK 2.5/1.5

2.5 mm<sup>2</sup>

2-tier terminal



5.1 x 79.5 x 54  
22.5 / 2.5  
0.08 ... 2.5



IEC 60947-7-1 EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 500      | 300          | 300         | 275      |
| 20       | 10           | 10          | 18       |
| 2.5      | AWG 26 ...14 | AWG 26...12 | 2.5      |
| 6 / 3    |              |             |          |
| A2 / V-0 |              |             |          |



KEMA 97ATEX4677 U

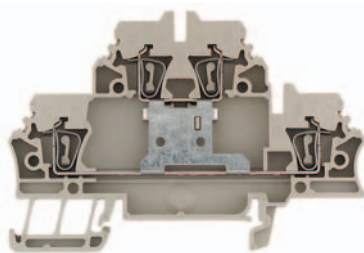
| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...2.5 |                       |
| 10 / 3.5 x 0.6        |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

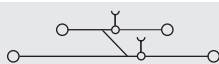
## ZDK 2.5/1.5 V

2.5 mm<sup>2</sup>

Vertically cross-connected 2-tier terminal



5.1 x 79.5 x 54  
24 / 2.5  
0.08 ... 2.5



IEC 60947-7-1 EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 500      | 300          | 300         | 420      |
| 20       | 10           | 10          | 20       |
| 2.5      | AWG 26 ...14 | AWG 26...12 | 2.5      |
| 6 / 3    |              |             |          |
| A2 / V-0 |              |             |          |



KEMA 97ATEX4677 U

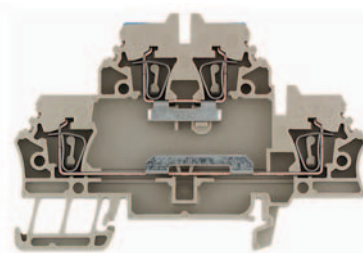
| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...2.5 |                       |
| 10 / 3.5 x 0.6        |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

## ZDK 2.5/1.5 N-DU

2.5 mm<sup>2</sup>

Neutral conductor - phase



5.1 x 79.5 x 54  
23 / 2.5  
0.08 ... 2.5



IEC 60947-7-1 (-7-2) EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 500      | 300          | 300         | 275      |
| 20       | 10           | 10          | 20       |
| 2.5      | AWG 26 ...14 | AWG 26...12 | 2.5      |
| 6 / 3    |              |             |          |
| A2 / V-0 |              |             |          |



KEMA 97ATEX4677 U

| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...2.5 |                       |
| 10 / 3.5 x 0.6        |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| ZDK 2.5/1.5    | 50   | 1674300000 |
| ZDK 2.5/1.5 BL | 50   | 1678630000 |

Component plug ZBS 1(1764540000) and ZBS 1 for LED (1764550000) can be used.

| Type            | Qty. | Order No.  |
|-----------------|------|------------|
| ZDK 2.5/1.5V    | 50   | 1689990000 |
| ZDK 2.5/1.5V BL | 50   | 1745880000 |

| Type            | Qty. | Order No.  |
|-----------------|------|------------|
| ZDK 2.5/1.5N-DU | 50   | 1689960000 |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

| Width [mm]           |     |    |            |
|----------------------|-----|----|------------|
| ZAP/TW ZDK2.5/1.5    | 1.5 | 20 | 1674730000 |
| ZAP/TW ZDK2.5/1.5 BL | 1.5 | 20 | 1748800000 |

| Width [mm] |   |    |
|------------|---|----|
| ZEW        | 6 | 20 |
| 9540000000 |   |    |

|       |    |            |
|-------|----|------------|
| ZTA 4 | 25 | 1688110000 |
|-------|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|            |     |            |
|------------|-----|------------|
| ZRH 1.5H/1 | 100 | 1678810000 |
| ZRH 1.5H/2 | 100 | 1678800000 |

DEK 5 / WS 12/5

ZVQ 2.5/15 (1720700000) joins together two current bars spaced one above the other.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

| Width [mm]           |     |    |            |
|----------------------|-----|----|------------|
| ZAP/TW ZDK2.5/1.5    | 1.5 | 20 | 1674730000 |
| ZAP/TW ZDK2.5/1.5 BL | 1.5 | 20 | 1748800000 |

| Width [mm] |   |    |
|------------|---|----|
| ZEW        | 6 | 20 |
| 9540000000 |   |    |

|       |    |            |
|-------|----|------------|
| ZTA 4 | 25 | 1688110000 |
|-------|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|            |     |            |
|------------|-----|------------|
| ZRH 1.5H/1 | 100 | 1678810000 |
| ZRH 1.5H/2 | 100 | 1678800000 |

DEK 5 / WS 10/5

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

| Width [mm]           |     |    |            |
|----------------------|-----|----|------------|
| ZAP/TW ZDK2.5/1.5    | 1.5 | 20 | 1674730000 |
| ZAP/TW ZDK2.5/1.5 BL | 1.5 | 20 | 1748800000 |

| Width [mm] |   |    |            |
|------------|---|----|------------|
| ZEW        | 6 | 20 | 9540000000 |

|       |    |            |
|-------|----|------------|
| ZTA 4 | 25 | 1688110000 |
|-------|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|            |     |            |
|------------|-----|------------|
| ZRH 1.5H/1 | 100 | 1678810000 |
| ZRH 1.5H/2 | 100 | 1678800000 |

DEK 5 / WS 12/5

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

Weidmüller

C.9

# Feed-through terminals

## Standard model

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Tightening torque range clamping screw                 | Nm              |
| Stripping length / blade size                          | mm / -          |

## Information

## Ordering data

| Version     |                  |
|-------------|------------------|
|             | dark beige Wemid |
|             | blue Wemid       |
| Information |                  |

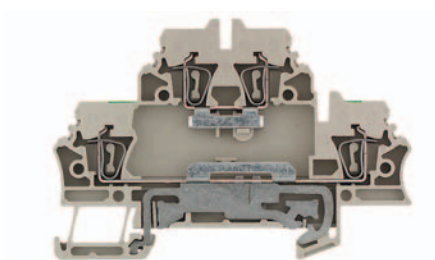
## Accessories

| Cross-connection, pluggable                                                                        |                                 |
|----------------------------------------------------------------------------------------------------|---------------------------------|
|                 | 2-pole                          |
|                                                                                                    | 3-pole                          |
|                                                                                                    | 4-pole                          |
|                                                                                                    | 10-pole                         |
|                                                                                                    | 30-/41-/50-pole                 |
| (ZQV)                                                                                              |                                 |
| End plate / partition                                                                              |                                 |
|                                                                                                    | dark beige Wemid                |
|                                                                                                    | blue Wemid                      |
| End bracket                                                                                        |                                 |
|                                                                                                    | dark beige Wemid                |
| Test adapter                                                                                       |                                 |
| for testing of wired terminal strips                                                               | Standard version                |
|                                                                                                    | With spigot                     |
| Screwdriver                                                                                        |                                 |
|                 | w. cutting device "swifty set"  |
|                                                                                                    | Standard version                |
| Reducing sleeves                                                                                   |                                 |
|                                                                                                    | for conductors < 0.5mm / AWG 20 |
|                                                                                                    | for conductors < 1.0mm / AWG 18 |
| Cover                                                                                              |                                 |
|                 | With elec. shock warn. symbol   |
|                                                                                                    | neutral                         |
| Marking systems (see large assortment in chapter M)                                                |                                 |
|                                                                                                    | Tags                            |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                                 |

## ZDK 2.5/1.5 DU-PE

2.5 mm<sup>2</sup>

### Phase - Protective conductor



|                 |  |
|-----------------|--|
| 5.1 x 79.5 x 54 |  |
| 24 / 2.5        |  |
| 0.08 ... 2.5    |  |

IEC 60947-7-1 (-7-2) EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 500      | 300          | 300         | 275      |
| 24       | 10           | 10          | 20       |
| 2.5      | AWG 26 ...14 | AWG 26...12 | 2.5      |
| 6 / 3    |              |             |          |
| A2 / V-0 |              |             |          |

KEMA 97ATEX4677 U

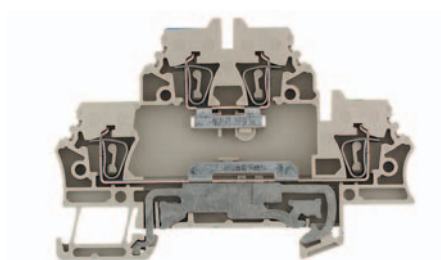
| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...2.5 |                       |
| 10 / 3.5 x 0.6        |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

## ZDK 2.5/1.5 N-PE

2.5 mm<sup>2</sup>

### Neutral & Protective conductor



|                 |  |
|-----------------|--|
| 5.1 x 79.5 x 54 |  |
| 24 / 2.5        |  |
| 0.08 ... 2.5    |  |

IEC 60947-7-2 EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 500      | 300          | 300         | 275      |
| 20       | 10           | 10          | 20       |
| 2.5      | AWG 26 ...14 | AWG 26...12 | 2.5      |
| 6 / 3    |              |             |          |
| A2 / V-0 |              |             |          |

KEMA 97ATEX4677 U

| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...2.5 |                       |
| 10 / 3.5 x 0.6        |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type             | Qty. | Order No.  |
|------------------|------|------------|
| ZDK 2.5/1.5DU-PE | 50   | 1689970000 |
| Type             | Qty. | Order No.  |
| ZDK 2.5/1.5N-PE  | 50   | 1689980000 |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

| Width [mm]           |     | Qty. | Order No.  |
|----------------------|-----|------|------------|
| ZAP/TW ZDK2.5/1.5    | 1.5 | 20   | 1674730000 |
| ZAP/TW ZDK2.5/1.5 BL | 1.5 | 20   | 1748800000 |

| Width [mm] |   | Qty. | Order No.  |
|------------|---|------|------------|
| ZEW        | 6 | 20   | 9540000000 |

| Width [mm] |    | Qty. | Order No.  |
|------------|----|------|------------|
| ZTA 4      | 25 |      | 1688110000 |

| Width [mm]     |    | Qty. | Order No.  |
|----------------|----|------|------------|
| SD 0,6X3,5X100 | 10 |      | 9008330000 |

| Width [mm] |     | Qty. | Order No.  |
|------------|-----|------|------------|
| ZRH 1.5H/1 | 100 |      | 1678810000 |
| ZRH 1.5H/2 | 100 |      | 1678800000 |

| Width [mm]      |  | Qty. | Order No. |
|-----------------|--|------|-----------|
| DEK 5 / WS 12/5 |  |      |           |

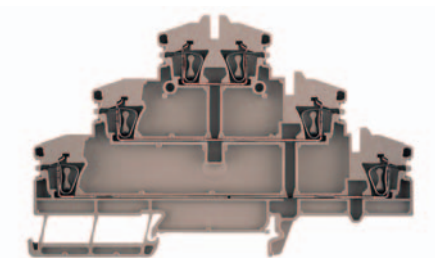
| Width [mm]      |  | Qty. | Order No. |
|-----------------|--|------|-----------|
| DEK 5 / WS 12/5 |  |      |           |

# Feed-through terminals

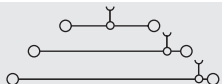
## ZDLD 2.5-2 N

2.5 mm<sup>2</sup>

Multi-tier terminal



5.1 x 110.5 x 70  
/ 2.5  
0.08 ... 2.5



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 500 | 300          | 300         |          |
| 20  | 15           | 15          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A2 / V-0     |             |          |



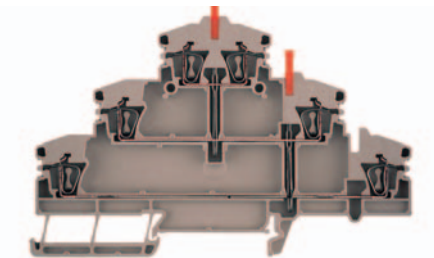
| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...2.5 |                       |
| 10 / 3.5 x 0.6        |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller crimping tool PZ 6/5.

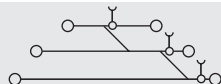
## ZDLD 2.5-2 VN

2.5 mm<sup>2</sup>

Vertically cross-connected multi-tier terminal



5.1 x 110.5 x 70  
/ 2.5  
0.08 ... 2.5



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 500 | 300          | 300         |          |
| 20  | 15           | 15          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A2 / V-0     |             |          |



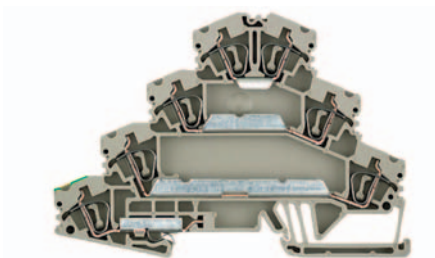
| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...2.5 |                       |
| 10 / 3.5 x 0.6        |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller crimping tool PZ 6/5.

## ZMAK 2.5

2.5 mm<sup>2</sup>

Motor supply terminal



5.1 x 102 x 70  
/ 2.5  
0.08 ... 2.5

IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 24  | 25           | 25          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A2 / V-0     |             |          |

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 0.5...4             |                       |
| 0.5...4 / 0.5...2.5 |                       |
| 10 / 3.5 x 0.6      |                       |

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| ZDLD 2.5-2N    | 50   | 1782300000 |
| ZDLD 2.5-2N BL | 50   | 1782310000 |

| Type            | Qty. | Order No.  |
|-----------------|------|------------|
| ZDLD 2.5-2VN    | 25   | 1782320000 |
| ZDLD 2.5-2VN BL | 25   | 1782330000 |

| Type     | Qty. | Order No.  |
|----------|------|------------|
| ZMAK 2.5 | 25   | 1768000000 |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

| Width [mm]       |     |    |            |
|------------------|-----|----|------------|
| ZAP ZDLD2.5-2    | 1.5 | 20 | 1718370000 |
| ZAP ZDLD2.5-2 BL | 1.5 | 20 | 1719910000 |

| Width [mm] |   |    |
|------------|---|----|
| ZEW        | 6 | 20 |
| 9540000000 |   |    |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|            |     |            |
|------------|-----|------------|
| ZRH 1.5H/1 | 100 | 1678810000 |
| ZRH 1.5H/2 | 100 | 1678800000 |

DEK 5 / WS 12/5

ZVQ 2.5/15 (1720700000) joins together two current bars spaced one above the other.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

| Width [mm]       |     |    |            |
|------------------|-----|----|------------|
| ZAP ZDLD2.5-2    | 1.5 | 20 | 1718370000 |
| ZAP ZDLD2.5-2 BL | 1.5 | 20 | 1719910000 |

| Width [mm] |   |    |            |
|------------|---|----|------------|
| ZEW        | 6 | 20 | 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|            |     |            |
|------------|-----|------------|
| ZRH 1.5H/1 | 100 | 1678810000 |
| ZRH 1.5H/2 | 100 | 1678800000 |

DEK 5 / WS 12/5

| Type | Current [A] | Qty. | Order No. |
|------|-------------|------|-----------|
|      |             |      |           |
|      |             |      |           |
|      |             |      |           |
|      |             |      |           |

| Width [mm]   |     |    |
|--------------|-----|----|
| ZAP ZMAK 2.5 | 1.5 | 10 |
| 1768010000   |     |    |

| Width [mm] |   |    |            |
|------------|---|----|------------|
| ZEW        | 6 | 20 | 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

DEK 5 / ZGB 15

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# Feed-through terminals

## Standard model

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                                       |                 |
|------------------------------------------------------------------|-----------------|
| Rated voltage                                                    | V               |
| Rated current                                                    | A               |
| Rated cross-section                                              | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity                       | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 Approvals |                 |
| Clampable conductors (H05V/H07V)                                 |                 |
| Solid / stranded                                                 | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                          | mm <sup>2</sup> |
| Tightening torque range clamping screw                           | Nm              |
| Stripping length / blade size                                    | mm / -          |

## Information

## Ordering data

| Version     |                  |
|-------------|------------------|
|             | dark beige Wemid |
|             | blue Wemid       |
| Information |                  |

## Accessories

| Cross-connection, pluggable                                                         |                 |
|-------------------------------------------------------------------------------------|-----------------|
|  | (ZQV)           |
|                                                                                     | 2-pole          |
|                                                                                     | 3-pole          |
|                                                                                     | 4-pole          |
|                                                                                     | 10-pole         |
|                                                                                     | 30-/41-/50-pole |

| End plate / partition |                  |
|-----------------------|------------------|
|                       | dark beige Wemid |
|                       | blue Wemid       |

| End bracket |                  |
|-------------|------------------|
|             | dark beige Wemid |

| Test adapter                         |                  |
|--------------------------------------|------------------|
| for testing of wired terminal strips | Standard version |
|                                      | With spigot      |

| Screwdriver                                                                         |                                |
|-------------------------------------------------------------------------------------|--------------------------------|
|  | w. cutting device "swifty set" |
|                                                                                     | Standard version               |

| Reducing sleeves |                                 |
|------------------|---------------------------------|
|                  | for conductors < 0.5mm / AWG 20 |
|                  | for conductors < 1.0mm / AWG 18 |

| Cover                                                                               |                                       |
|-------------------------------------------------------------------------------------|---------------------------------------|
|  | With elec. shock warn. symbol neutral |

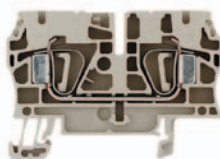
| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZDU 4

4 mm<sup>2</sup>

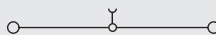
### Two connections



6 x 62 x 43.5

41 / 6

0.13 ... 6



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 800      | 600          | 600         | 550      |
| 32       | 33           | 35          | 28       |
| 4        | AWG 26 ...10 | AWG 26...10 | 4        |
| 8 / 3    |              |             |          |
| A4 / V-0 |              |             |          |



KEMA 97ATEX2521 U

| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6 / 0.5...6 |                       |
| 0.5...6 / 0.5...4 |                       |
| 12 / 3.5 x 0.6    |                       |

## ZDU 4/3 AN

4 mm<sup>2</sup>

### Three connections



6 x 83.35 x 43.5

41 / 6

0.13 ... 6



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 800      | 600          | 600         | 550      |
| 32       | 33           | 35          | 28       |
| 4        | AWG 26 ...10 | AWG 26...10 | 4        |
| 8 / 3    |              |             |          |
| A4 / V-0 |              |             |          |



KEMA 00ATEX2107 U

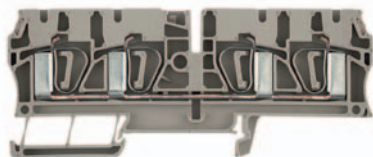
| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6 / 0.5...6 |                       |
| 0.5...6 / 0.5...4 |                       |
| 12 / 3.5 x 0.6    |                       |

# Feed-through terminals

## ZDU 4/4 AN

4 mm<sup>2</sup>

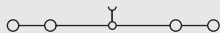
Four connections



6 x 104.35 x 43.5

41 / 6

0.13 ... 6



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 800      | 600          | 600         | 550      |
| 32       | 33           | 35          | 28       |
| 4        | AWG 26 ...10 | AWG 26...10 | 4        |
| 8 / 3    |              |             |          |
| A4 / V-0 |              |             |          |



KEMA 00ATEX2107 U

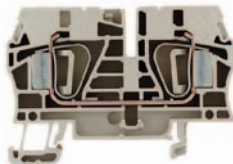
| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6 / 0.5...6 |                       |
| 0.5...6 / 0.5...4 |                       |

12 / 3.5 x 0.6

## ZDU 6

6 mm<sup>2</sup>

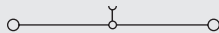
Two connections



8 x 65 x 45.6

57 / 10

0.21 ... 10



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL          | CSA        | EN 50019 |
|----------|-------------|------------|----------|
| 800      | 600         | 600        | 550      |
| 41       | 45          | 50         | 36       |
| 6        | AWG 22 ...8 | AWG 20...8 | 6        |
| 8 / 3    |             |            |          |
| A5 / V-0 |             |            |          |



KEMA 97ATEX2521 U

| Rated connection   | Additional connection |
|--------------------|-----------------------|
| 0.5...10           |                       |
| 0.5...10 / 0.5...6 |                       |

13 / 5.5 x 1.0

## ZDU 6/3 AN

6 mm<sup>2</sup>

Three connections



8 x 90 x 45.6

57 / 10

0.21 ... 10



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL          | CSA        | EN 50019 |
|----------|-------------|------------|----------|
| 800      | 600         | 600        | 550      |
| 41       | 45          | 50         | 36       |
| 6        | AWG 22 ...8 | AWG 20...8 | 6        |
| 8 / 3    |             |            |          |
| A5 / V-0 |             |            |          |



KEMA 00ATEX2107 U

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 0.5...10            |                       |
| 0.5...10 / 0.5...10 |                       |

13 / 5.5 x 1.0

| Type         | Qty. | Order No.  |
|--------------|------|------------|
| ZDU 4/4AN    | 50   | 7904290000 |
| ZDU 4/4AN BL | 50   | 7904300000 |

| Type     | Qty. | Order No.  |
|----------|------|------------|
| ZDU 6    | 50   | 1608620000 |
| ZDU 6 BL | 50   | 1608630000 |

| Type         | Qty. | Order No.  |
|--------------|------|------------|
| ZDU 6/3AN    | 50   | 7907410000 |
| ZDU 6/3AN BL | 50   | 7907420000 |

| Type        | Current [A] | Qty. | Order No.  |
|-------------|-------------|------|------------|
| ZQV 4/2 GE  | 32          | 60   | 1608950000 |
| ZQV 4/3 GE  | 32          | 60   | 1608960000 |
| ZQV 4/4 GE  | 32          | 60   | 1608970000 |
| ZQV 4/10 GE | 32          | 20   | 1609030000 |

| Type        | Current [A] | Qty. | Order No.  |
|-------------|-------------|------|------------|
| ZQV 6/2 GE  | 41          | 60   | 1627850000 |
| ZQV 6/3 GE  | 41          | 60   | 1627860000 |
| ZQV 6/4 GE  | 41          | 60   | 1627870000 |
| ZQV 6/32 GE | 41          | 10   | 1733640000 |

| Type        | Current [A] | Qty. | Order No.  |
|-------------|-------------|------|------------|
| ZQV 6/2 GE  | 41          | 60   | 1627850000 |
| ZQV 6/3 GE  | 41          | 60   | 1627860000 |
| ZQV 6/4 GE  | 41          | 60   | 1627870000 |
| ZQV 6/32 GE | 41          | 10   | 1733640000 |

| Width [mm]     |   |    |            |
|----------------|---|----|------------|
| ZAP/TW4/4AN    | 2 | 20 | 7904210000 |
| ZAP/TW4/4AN BL | 2 | 50 | 7904220000 |

| Width [mm]  |   |    |            |
|-------------|---|----|------------|
| ZAP/TW 5    | 2 | 50 | 1608830000 |
| ZAP/TW 5 BL | 2 | 50 | 1608840000 |

| Width [mm]     |   |    |            |
|----------------|---|----|------------|
| ZAP/TW6/3AN    | 2 | 20 | 7907370000 |
| ZAP/TW6/3AN BL | 2 | 20 | 7907380000 |

| Width [mm] |   |    |
|------------|---|----|
| ZEW        | 6 | 20 |
| 9540000000 |   |    |

| Width [mm] |   |            |
|------------|---|------------|
| ZEW        | 6 | 20         |
|            |   | 9540000000 |

| Width [mm] |   |    |            |
|------------|---|----|------------|
| ZEW        | 6 | 20 | 9540000000 |

|               |    |            |
|---------------|----|------------|
| ZTA 2 ZDU4    | 25 | 1609060000 |
| ZTA 2/ZA ZDU4 | 25 | 1609070000 |

|            |    |            |
|------------|----|------------|
| ZTA 3 ZDU6 | 25 | 1654050000 |
|------------|----|------------|

|            |    |            |
|------------|----|------------|
| ZTA 3 ZDU6 | 25 | 1654050000 |
|------------|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 1,0X5,5X150 | 10 | 9008350000 |
|----------------|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 1,0X5,5X150 | 10 | 9008350000 |
|----------------|----|------------|

|            |     |            |
|------------|-----|------------|
| ZRH 4/1 WS | 100 | 1636640000 |
| ZRH 4/2    | 100 | 1636650000 |

|            |    |            |
|------------|----|------------|
| ZAD 3/4 GE | 20 | 1609120000 |
|------------|----|------------|

|            |    |            |
|------------|----|------------|
| ZAD 3/4 GE | 20 | 1609120000 |
|------------|----|------------|

DEK 6 / WS 12/6

DEK 8 / WS 12/6

DEK 8 / WS 12/6



# Feed-through terminals

## Standard model

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                                       |                 |
|------------------------------------------------------------------|-----------------|
| Rated voltage                                                    | V               |
| Rated current                                                    | A               |
| Rated cross-section                                              | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity                       | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 Approvals |                 |
| Clampable conductors (H05V/H07V)                                 |                 |
| Solid / stranded                                                 | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                          | mm <sup>2</sup> |
| Tightening torque range clamping screw                           | Nm              |
| Stripping length / blade size                                    | mm / -          |

## Information

## Ordering data

| Version     |                  |
|-------------|------------------|
|             | dark beige Wemid |
|             | blue Wemid       |
| Information |                  |

## Accessories

| Cross-connection, pluggable                                                         |                 |
|-------------------------------------------------------------------------------------|-----------------|
|  | 2-pole          |
|                                                                                     | 3-pole          |
|                                                                                     | 4-pole          |
|                                                                                     | 10-pole         |
|                                                                                     | 30-/41-/50-pole |

| End plate / partition |                  |
|-----------------------|------------------|
|                       | dark beige Wemid |
|                       | blue Wemid       |

| End bracket |                  |
|-------------|------------------|
|             | dark beige Wemid |

| Test adapter                         |                  |
|--------------------------------------|------------------|
| for testing of wired terminal strips | Standard version |
|                                      | With spigot      |

| Screwdriver                                                                         |                                |
|-------------------------------------------------------------------------------------|--------------------------------|
|  | w. cutting device "swifty set" |
|                                                                                     | Standard version               |

| Reducing sleeves |                                 |
|------------------|---------------------------------|
|                  | for conductors < 0.5mm / AWG 20 |
|                  | for conductors < 1.0mm / AWG 18 |

| Cover                                                                               |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
|  | With elec. shock warn. symbol |
|                                                                                     | neutral                       |

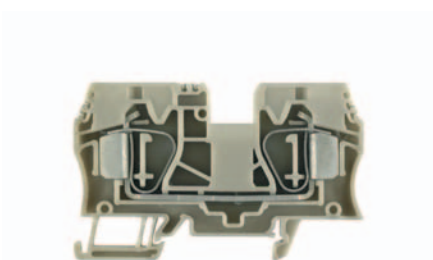
| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZDU 10

10 mm<sup>2</sup>

### Two connections



|                  |  |
|------------------|--|
| 10 x 73.5 x 50.5 |  |
| / 16             |  |
| 1.31 ... 16      |  |

IEC 60947-7-1 EEx e II T II 2 G D

| IEC      | UL          | CSA        | EN 50019 |
|----------|-------------|------------|----------|
| 800      | 600         | 600        | 550      |
| 57       | 60          | 55         | 50       |
| 10       | AWG 16 ...6 | AWG 16...6 | 10       |
| 8 / 3    |             |            |          |
| A6 / V-0 |             |            |          |

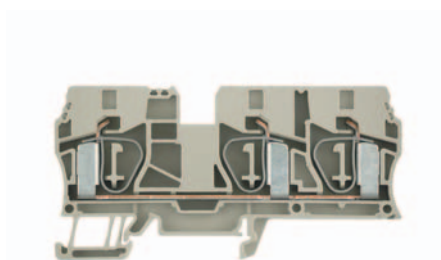
KEMA 99ATEX514 U

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 1.5...16 / 1.5...16 |                       |
| 1.5...10 / 1.5...10 |                       |
| 18 / 5.5 x 1.0      |                       |

## ZDU 10/3AN

10 mm<sup>2</sup>

### Three connections



|                |  |
|----------------|--|
| 10 x 99 x 50.5 |  |
| / 16           |  |
| 1.31 ... 16    |  |

IEC 60947-7-1 EEx e II T II 2 G D

| IEC      | UL          | CSA        | EN 50019 |
|----------|-------------|------------|----------|
| 800      | 600         | 600        | 550      |
| 57       | 60          | 55         | 50       |
| 10       | AWG 16 ...6 | AWG 16...6 | 10       |
| 8 / 3    |             |            |          |
| A6 / V-0 |             |            |          |

KEMA 00ATEX2107 U

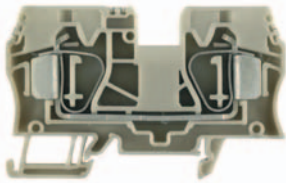
| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 1.5...16 / 1.5...16 |                       |
| 1.5...10 / 1.5...10 |                       |
| 18 / 5.5 x 1.0      |                       |

# Feed-through terminals

## ZDU 16

16 mm<sup>2</sup>

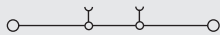
Two connections



12 x 82.5 x 51.5

/ 25

1.5 ... 25



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL          | CSA        | EN 50019 |
|----------|-------------|------------|----------|
| 800      | 600         | 600        | 550      |
| 76       | 65          | 65         | 66       |
| 16       | AWG 14 ...4 | AWG 14...4 | 16       |
| 8 / 3    |             |            |          |
| A7 / V-0 |             |            |          |



KEMA 99ATEX5514 U

**Rated connection**

**Additional connection**

1.5...16 / 1.5...25

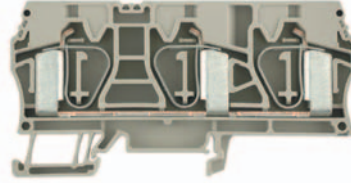
1.5...16 / 1.5...16

18 / 5.5 x 1.0

## ZDU 16/3 AN

16 mm<sup>2</sup>

Three connections



12 x 99 x 51.5

/ 25

1.5 ... 25



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL          | CSA        | EN 50019 |
|----------|-------------|------------|----------|
| 800      | 600         | 600        | 550      |
| 76       | 65          | 65         | 66       |
| 16       | AWG 14 ...4 | AWG 14...4 | 16       |
| 8 / 3    |             |            |          |
| A7 / V-0 |             |            |          |



KEMA 00ATEX2107 U

**Rated connection**

**Additional connection**

1.5...16 / 1.5...25

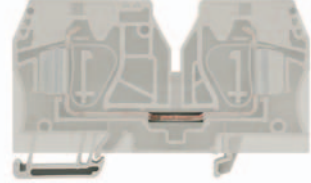
1.5...16 / 1.5...16

18 / 5.5 x 1.0

## ZEI 16

16 mm<sup>2</sup>

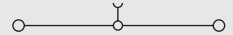
Power distribution terminal



15 x 82.5 x 51.5

/ 25

1.5 ... 25



IEC 60947-7-1

| IEC      | UL          | CSA        | EN 50019 |
|----------|-------------|------------|----------|
| 500      | 600         | 600        |          |
| 76       | 65          | 65         |          |
| 16       | AWG 14 ...4 | AWG 14...4 |          |
| 8 / 3    |             |            |          |
| A7 / V-0 |             |            |          |



**Rated connection**

**Additional connection**

1.5...16 / 1.5...25

1.5...16 / 1.5...16

18 / 5.5 x 1.0

End plate is integrated.

| Type      | Qty. | Order No.  |
|-----------|------|------------|
| ZDU 16    | 25   | 1745230000 |
| ZDU 16 BL | 25   | 1745240000 |

| Type          | Qty. | Order No.  |
|---------------|------|------------|
| ZDU 16/3AN    | 20   | 1768320000 |
| ZDU 16/3AN BL | 20   | 1768330000 |

| Type      | Qty. | Order No.  |
|-----------|------|------------|
| ZEI 16    | 20   | 1745350000 |
| ZEI 16 BL | 20   | 1766240000 |

| Type     | Current [A] | Qty. | Order No.  |
|----------|-------------|------|------------|
| ZQV 16/2 | 76          | 25   | 1739690000 |

| Type | Current [A] | Qty. | Order No. |
|------|-------------|------|-----------|
|      |             |      |           |

| Type      | Current [A] | Qty. | Order No.  |
|-----------|-------------|------|------------|
| ZQV 2.5/2 | 24          | 60   | 1608860000 |

| Width [mm]      |   |    |            |
|-----------------|---|----|------------|
| ZAP/TW ZDU16    | 3 | 20 | 1745150000 |
| ZAP/TW ZDU16 BL | 3 | 20 | 1764100000 |

| Width [mm]      |   |    |            |
|-----------------|---|----|------------|
| ZAP/TW 10/16    | 3 | 20 | 1749580000 |
| ZAP/TW 10/16 BL | 3 | 20 | 1768520000 |

| Width [mm] |  |
|------------|--|
|            |  |

| Width [mm] |   |    |
|------------|---|----|
| ZEW        | 6 | 20 |
| 9540000000 |   |    |

| Width [mm] |   |            |
|------------|---|------------|
| ZEW        | 6 | 20         |
|            |   | 9540000000 |

| Width [mm] |   |    |
|------------|---|----|
| ZEW        | 6 | 20 |
| 9540000000 |   |    |

|                |    |            |
|----------------|----|------------|
| SD 1,0X5,5X150 | 10 | 9008350000 |
|----------------|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 1,0X5,5X150 | 10 | 9008350000 |
|----------------|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 1,0X5,5X150 | 10 | 9008350000 |
|----------------|----|------------|

|         |    |            |
|---------|----|------------|
| ZAD 5/5 | 20 | 1745210000 |
|---------|----|------------|

|         |    |            |
|---------|----|------------|
| ZAD 5/5 | 20 | 1745210000 |
|---------|----|------------|

|         |    |            |
|---------|----|------------|
| ZAD 5/5 | 20 | 1745210000 |
|---------|----|------------|

DEK 5 / WS 15/5

DEK 5 / WS 15/5

DEK 5 / WS 15/5

Cross-connections of ZDU 16 and ZDU 35 with ZQV 35-16 (7920120000) possible  
possible Cross-connections of ZDU 10 possible

# Feed-through terminals

## Standard model

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

| Clampable conductors (H05V/H07V)        |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |
| Tightening torque range clamping screw  | Nm              |
| Stripping length / blade size           | mm / -          |

## Information

## Ordering data

| Version |                  |
|---------|------------------|
|         | dark beige Wemid |
|         | blue Wemid       |

## Information

## Accessories

| Cross-connection, pluggable                                                         |                 |
|-------------------------------------------------------------------------------------|-----------------|
|  | (ZQV)           |
|                                                                                     | 2-pole          |
|                                                                                     | 3-pole          |
|                                                                                     | 4-pole          |
|                                                                                     | 10-pole         |
|                                                                                     | 30-/41-/50-pole |

| End plate / partition |                  |
|-----------------------|------------------|
|                       | dark beige Wemid |
|                       | blue Wemid       |

| End bracket |                  |
|-------------|------------------|
|             | dark beige Wemid |

| Test adapter                         |                  |
|--------------------------------------|------------------|
| for testing of wired terminal strips | Standard version |
|                                      | With spigot      |

| Screwdriver                                                                         |                                |
|-------------------------------------------------------------------------------------|--------------------------------|
|  | w. cutting device "swifty set" |
|                                                                                     | Standard version               |

| Reducing sleeves |                                 |
|------------------|---------------------------------|
|                  | for conductors < 0.5mm / AWG 20 |
|                  | for conductors < 1.0mm / AWG 18 |

| Cover                                                                               |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
|  | With elec. shock warn. symbol |
|                                                                                     | neutral                       |

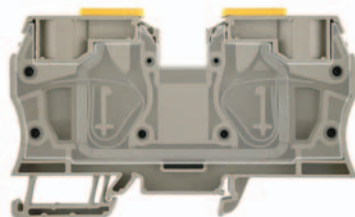
| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZDU 35

35 mm<sup>2</sup>

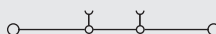
## Two connections



16 x 100.5 x 59

/ 35

2.5 ... 35



IEC 60947-7-1

EEx e II  T II 2 G D

| IEC      | UL          | CSA        | EN 50019 |
|----------|-------------|------------|----------|
| 800      | 600         | 600        | 550      |
| 125      | 120         | 120        | 109      |
| 35       | AWG 12 ...2 | AWG 12...2 | 35       |
| 8 / 3    |             |            |          |
| A8 / V-0 |             |            |          |

KEMA 00ATEX2107 U

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 2.5...16 / 2.5...35 |                       |
| 2.5...35 / 2.5...35 |                       |
| 25 / 5.5 x 1.0      |                       |

| Type      | Qty. | Order No.  |
|-----------|------|------------|
| ZDU 35    | 10   | 1739620000 |
| ZDU 35 BL | 10   | 1739630000 |

End plate is integrated.

| Type     | Current [A] | Qty. | Order No.  |
|----------|-------------|------|------------|
| ZQV 35/2 | 105         | 10   | 1739700000 |
|          |             |      |            |
|          |             |      |            |
|          |             |      |            |

| Width [mm] |  |
|------------|--|
|            |  |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

| Type           | Current [A] | Qty. | Order No.  |
|----------------|-------------|------|------------|
| SD 1,0X5,5X150 |             | 10   | 9008350000 |
|                |             |      |            |
|                |             |      |            |

| Type    | Current [A] | Qty. | Order No.  |
|---------|-------------|------|------------|
| ZAD 6/5 |             | 20   | 1752620000 |
|         |             |      |            |

| Width [mm]      |  |
|-----------------|--|
| DEK 5 / WS 15/5 |  |

Cross connection of ZDU 10 and ZDU 35 with ZQV 35-10 (7920100000)  
possible Cross connection of ZDU 16 and ZDU 35 possible



# Feed-through terminals

## Roof-Style

Tension clamp terminal solutions for rated conductors 0.13 to 16 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                                       |                 |
|------------------------------------------------------------------|-----------------|
| Rated voltage                                                    | V               |
| Rated current                                                    | A               |
| Rated cross-section                                              | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity                       | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 Approvals |                 |
| Clampable conductors (H05V/H07V)                                 |                 |
| Solid / stranded                                                 | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                          | mm <sup>2</sup> |
| Tightening torque range clamping screw                           | Nm              |
| Stripping length / blade size                                    | mm / -          |

## Information

## Ordering data

| Version     |                  |
|-------------|------------------|
|             | dark beige Wemid |
|             | blue Wemid       |
| Information |                  |

## Accessories

| Cross-connection, pluggable                                                         |                 |
|-------------------------------------------------------------------------------------|-----------------|
|  | 2-pole          |
|                                                                                     | 3-pole          |
|                                                                                     | 4-pole          |
|                                                                                     | 10-pole         |
|                                                                                     | 30-/41-/50-pole |

| End plate / partition |                  |
|-----------------------|------------------|
|                       | dark beige Wemid |
|                       | blue Wemid       |

| End bracket |                  |
|-------------|------------------|
|             | dark beige Wemid |

| Test adapter                         |                  |
|--------------------------------------|------------------|
| for testing of wired terminal strips | Standard version |
|                                      | With spigot      |

| Screwdriver |                                |
|-------------|--------------------------------|
|             | w. cutting device "swifty set" |
|             | Standard version               |

| Reducing sleeves |                                 |
|------------------|---------------------------------|
|                  | for conductors < 0.5mm / AWG 20 |
|                  | for conductors < 1.0mm / AWG 18 |

| Cover |                               |
|-------|-------------------------------|
|       | With elec. shock warn. symbol |
|       | neutral                       |

| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

For detailed information on additional accessories and usage instructions see chapter accessories.

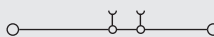
## ZDU 2.5-2

2.5 mm<sup>2</sup>

### Two connections



5.1 x 50.5 x 44  
/ 2.5  
0.13 ... 2.5



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 800 | 600          | 600         |          |
| 24  | 24           | 23          |          |
| 2.5 | AWG 26 ...12 | AWG 26...14 |          |
|     | 8 / 3        |             |          |
|     | A2 / V-0     |             |          |



| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...1.5 |                       |
| 10 / 3.5 x 0.6        |                       |

2,5 mm<sup>2</sup> flexible conductor will be crimped with the Weidmüller-crimping tool PZ 6/5.

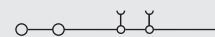
## ZDU 2.5-2/3AN

2.5 mm<sup>2</sup>

### Three connections



5.1 x 50.5 x 44  
/ 2.5  
0.13 ... 2.5



IEC 60947-7-1

EEx e II  T II 2 G D

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 800 | 600          | 600         | 550      |
| 24  | 20           | 23          | 21       |
| 2.5 | AWG 26 ...12 | AWG 26...14 | 2.5      |
|     | 8 / 3        |             |          |
|     | A2 / V-0     |             |          |



KEMA 97ATEX4677 U

| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...2.5 |                       |
| 10 / 3.5 x 0.6        |                       |

2,5 mm<sup>2</sup> flexible conductor will be crimped with the Weidmüller-crimping tool PZ 6/5.

| Type             | Qty. | Order No.  |
|------------------|------|------------|
| ZDU 2.5-2/3AN    | 100  | 1706010000 |
| ZDU 2.5-2/3AN BL | 100  | 1706040000 |

The rated voltage is reduced to 250V when using the cross connection.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

| Width [mm] |                   |
|------------|-------------------|
| ZAP/TW7    | 2.5 50 1706110000 |
| ZAP/TW7 BL | 2.5 50 1706120000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

| Test adapter                         |                  |
|--------------------------------------|------------------|
| for testing of wired terminal strips | Standard version |
|                                      | With spigot      |

| Screwdriver |                                |
|-------------|--------------------------------|
|             | w. cutting device "swifty set" |
|             | Standard version               |

| Reducing sleeves |                                 |
|------------------|---------------------------------|
|                  | for conductors < 0.5mm / AWG 20 |
|                  | for conductors < 1.0mm / AWG 18 |

| Cover |                               |
|-------|-------------------------------|
|       | With elec. shock warn. symbol |
|       | neutral                       |

| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

By using the screen plug LS 2.8 (1056400000) the rated voltage is reduced to 250V.

# Feed-through terminals

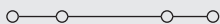
## ZDU 2.5-2/4AN

2.5 mm<sup>2</sup>

Four connections



5.1 x 50.5 x 44  
/ 2.5  
0.13 ... 2.5



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 800      | 600          | 600         | 550      |
| 24       | 20           | 23          | 21       |
| 2.5      | AWG 26 ...12 | AWG 26...14 | 2.5      |
| 8 / 3    |              |             |          |
| A2 / V-0 |              |             |          |



KEMA 97ATEX4677 U

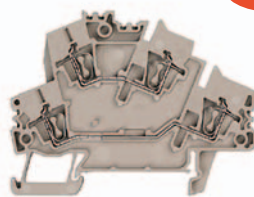
| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...2.5 |                       |
| 10 / 3.5 x 0.6        |                       |

2.5 mm<sup>2</sup> flexible conductor will be crimped with the Weidmüller-crimping tool PZ 6/5.

## ZDK 2.5-2

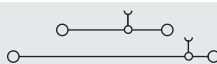
2.5 mm<sup>2</sup>

2-tier terminal



n

5.1 x 72.5 x 55.5  
/ 2.5  
0.13 ... 2.5



IEC 60947-7-1

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 800      | 600          | 600         |          |
| 24       | 20           | 25          |          |
| 2.5      | AWG 26 ...12 | AWG 26...12 |          |
| 8 / 3    |              |             |          |
| A2 / V-0 |              |             |          |



| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...2.5 |                       |
| 10 / 3.5 x 0.6        |                       |

2.5 mm<sup>2</sup> flexible conductor will be crimped with the Weidmüller-crimping tool PZ 6/5.

## ZDK 2.5-2V

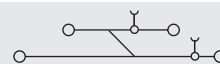
2.5 mm<sup>2</sup>

Vertically cross-connected 2-tier terminal



n

5.1 x 72.5 x 55.5  
/ 2.5  
0.13 ... 2.5



IEC 60947-7-1

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 800      | 600          | 600         |          |
| 24       | 20           | 20          |          |
| 2.5      | AWG 26 ...12 | AWG 26...12 |          |
| 8 / 3    |              |             |          |
| A2 / V-0 |              |             |          |



| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...2.5 |                       |
| 10 / 3.5 x 0.6        |                       |

2.5 mm<sup>2</sup> flexible conductor will be crimped with the Weidmüller-crimping tool PZ 6/5.

| Type             | Qty. | Order No.  |
|------------------|------|------------|
| ZDU 2.5-2/4AN    | 100  | 1706060000 |
| ZDU 2.5-2/4AN BL | 100  | 1706070000 |

When using the ZQB 2.5 the conductor cross-section is reduced to 1.5 mm<sup>2</sup> solid and flexible.

| Type         | Qty. | Order No.  |
|--------------|------|------------|
| ZDK 2.5-2    | 50   | 1790990000 |
| ZDK 2.5-2 BL | 50   | 1791000000 |

The rated voltage is reduced to 250V when using the cross connection.

| Type          | Qty. | Order No.  |
|---------------|------|------------|
| ZDK 2.5-2V    | 50   | 1791030000 |
| ZDK 2.5-2V BL | 50   | 1791040000 |

The rated voltage is reduced to 250V when using the cross connection.

| Type      | Current [A] | Qty. | Order No.  |
|-----------|-------------|------|------------|
| ZQB 2.5-2 | 24          | 50   | 1677120000 |

| Width [mm] | Qty.   | Order No.  |
|------------|--------|------------|
| ZAP/TW7    | 2.5 50 | 1706110000 |
| ZAP/TW7 BL | 2.5 50 | 1706120000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZEW        | 6 20 | 9540000000 |

| Qty. | Order No.  |
|------|------------|
| 25   | 1688110000 |

| Qty. | Order No.  |
|------|------------|
| 10   | 9008330000 |

| Qty. | Order No.  |
|------|------------|
| 100  | 1678810000 |
| 100  | 1678800000 |

| Qty. | Order No.  |
|------|------------|
| 20   | 1764560000 |

DEK 5 / WS 14/5

By using the screen plug LS 2.8 (1056400000) the rated voltage is reduced to 250V.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

| Width [mm]         | Qty. | Order No.  |
|--------------------|------|------------|
| ZAP/TW ZDK2.5-2    | 2 20 | 1791050000 |
| ZAP/TW ZDK2.5-2 BL | 2 20 | 1791060000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZEW        | 6 20 | 9540000000 |

| Qty. | Order No.  |
|------|------------|
| 25   | 1688110000 |

| Qty. | Order No.  |
|------|------------|
| 10   | 9008330000 |

| Qty. | Order No.  |
|------|------------|
| 100  | 1678810000 |
| 100  | 1678800000 |

| Qty. | Order No.  |
|------|------------|
| 20   | 1764560000 |

DEK 5 / WS 10/5

Max. current 22A

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

| Width [mm]         | Qty. | Order No.  |
|--------------------|------|------------|
| ZAP/TW ZDK2.5-2    | 2 20 | 1791050000 |
| ZAP/TW ZDK2.5-2 BL | 2 20 | 1791060000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZEW        | 6 20 | 9540000000 |

| Qty. | Order No.  |
|------|------------|
| 25   | 1688110000 |

| Qty. | Order No.  |
|------|------------|
| 10   | 9008330000 |

| Qty. | Order No.  |
|------|------------|
| 100  | 1678810000 |
| 100  | 1678800000 |

| Qty. | Order No.  |
|------|------------|
| 20   | 1764560000 |

DEK 5 / WS 10/5

Max. current 22A

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany. Delivery times see page X.2

Weidmüller

C.19



# Feed-through terminals

## Roof-Style

Tension clamp terminal solutions for rated conductors 0.13 to 16 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Tightening torque range clamping screw                 | Nm              |
| Stripping length / blade size                          | mm / -          |

## Information

## Ordering data

| Version |                  |
|---------|------------------|
|         | dark beige Wemid |
|         | blue Wemid       |

## Information

## Accessories

| Cross-connection, pluggable |                 |
|-----------------------------|-----------------|
|                             | 2-pole          |
|                             | 3-pole          |
|                             | 4-pole          |
|                             | 10-pole         |
|                             | 30-/41-/50-pole |



(ZQV)

| End plate / partition |                  |
|-----------------------|------------------|
|                       | dark beige Wemid |
|                       | blue Wemid       |

| End bracket |                  |
|-------------|------------------|
|             | dark beige Wemid |

| Test adapter                         |                  |
|--------------------------------------|------------------|
| for testing of wired terminal strips | Standard version |
|                                      | With spigot      |

| Screwdriver |                                |
|-------------|--------------------------------|
|             | w. cutting device "swifty set" |
|             | Standard version               |



| Reducing sleeves |                                 |
|------------------|---------------------------------|
|                  | for conductors < 0.5mm / AWG 20 |
|                  | for conductors < 1.0mm / AWG 18 |

| Cover |                               |
|-------|-------------------------------|
|       | With elec. shock warn. symbol |
|       | neutral                       |



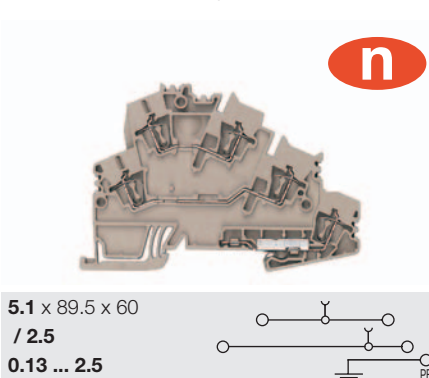
| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

For detailed information on additional accessories and usage instructions see chapter accessories.

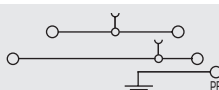
## ZDKPE 2.5

2.5 mm<sup>2</sup>

2-tier terminal with single-sided PE-contact



5.1 x 89.5 x 60  
/ 2.5  
0.13 ... 2.5



IEC 60947-7-1 (-7-2)

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 800 | 600          | 600         |          |
| 24  | 20           | 20          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 8 / 3        |             |          |
|     | A2 / V-0     |             |          |

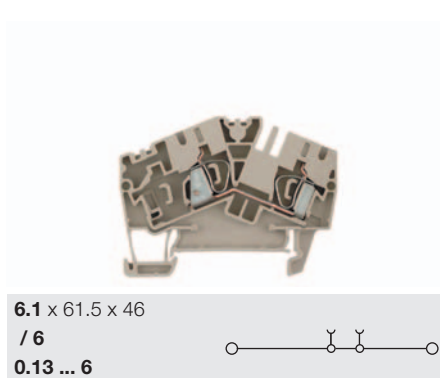
| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...2.5 |                       |
| 10 / 0.6 x 3.5        |                       |

The rated voltage is reduced to 250V when using the cross connection.

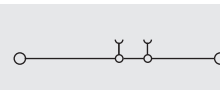
## ZDU 4-2

4 mm<sup>2</sup>

Two connections



6.1 x 61.5 x 46  
/ 6  
0.13 ... 6



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 800 | 600          | 600         |          |
| 32  | 33           | 35          |          |
| 4   | AWG 26 ...10 | AWG 26...10 |          |
|     | 8 / 3        |             |          |
|     | A3 / V-0     |             |          |



| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6           |                       |
| 0.5...4 / 0.5...4 |                       |
| 10 / 3.5 x 0.6    |                       |

The rated voltage is reduced to 250V when using the cross connection.

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZDKPE 2.5-2 | 50   | 1805940000 |

The rated voltage is reduced to 250V when using the cross connection.

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| ZDU 4-2/2AN    | 100  | 1770370000 |
| ZDU 4-2/2AN BL | 100  | 1770840000 |

The rated voltage is reduced to 250V when using the cross connection.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

| Width [mm]        |      |
|-------------------|------|
| ZAP/TW ZDKPE2.5-2 | 2 20 |

| Width [mm] |      |
|------------|------|
| ZEW        | 6 20 |

| Width [mm] |    |
|------------|----|
| ZTA 4      | 25 |

| Width [mm]     |    |
|----------------|----|
| SD 0,6X3,5X100 | 10 |

| Width [mm] |     |
|------------|-----|
| ZRH 1.5H/1 | 100 |
| ZRH 1.5H/2 | 100 |

| Width [mm]   |    |
|--------------|----|
| ZAD 1/4-2 GE | 20 |

| Width [mm]      |  |
|-----------------|--|
| DEK 5 / WS 10/5 |  |

| Type        | Current [A] | Qty. | Order No.  |
|-------------|-------------|------|------------|
| ZQV 4/2 GE  | 32          | 60   | 1608950000 |
| ZQV 4/3 GE  | 32          | 60   | 1608960000 |
| ZQV 4/4 GE  | 32          | 60   | 1608970000 |
| ZQV 4/10 GE | 32          | 20   | 1609030000 |

| Width [mm] |      |
|------------|------|
| ZAP ZDU4-2 | 2 50 |

| Width [mm]    |      |
|---------------|------|
| ZAP ZDU4-2 BL | 2 50 |

| Width [mm] |      |
|------------|------|
| ZEW        | 6 20 |

| Width [mm] |    |
|------------|----|
| ZTA 6/ZA   | 25 |

| Width [mm]     |    |
|----------------|----|
| SD 0,6X3,5X100 | 10 |

| Width [mm] |    |
|------------|----|
| ZAD 1/4 GE | 20 |

| Width [mm]      |  |
|-----------------|--|
| DEK 6 / WS 12/6 |  |

By using the screen plug LS 2.8 (1056400000) the rated voltage is reduced to 250V.

# Feed-through terminals

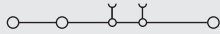
## ZDU 4-2/3AN

4 mm<sup>2</sup>

Three connections



6.1 x 61.5 x 46  
38 / 6  
0.13 ... 6



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 800 | 600          | 600         |          |
| 32  | 33           | 35          |          |
| 4   | AWG 26 ...10 | AWG 26...10 |          |
|     | 8 / 3        |             |          |
|     | A3 / V-0     |             |          |



| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6           |                       |
| 0.5...4 / 0.5...4 |                       |
| 10 / 3.5 x 0.6    |                       |

Applicable on the 40 mm LSC profile. A stranded 6 mm<sup>2</sup> conductor can be clamped if the strand is heavy twisted.

## ZDU 4-2/4AN

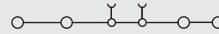
4 mm<sup>2</sup>

Four connections



n

6.1 x 75.5 x 46  
/ 6  
0.13 ... 6



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 800 | 600          | 600         |          |
| 32  | 33           | 33          |          |
| 4   | AWG 26 ...10 | AWG 26...10 |          |
|     | 8 / 3        |             |          |
|     | A3 / V-0     |             |          |



| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6           |                       |
| 0.5...4 / 0.5...4 |                       |
| 10 / 3.5 x 0.6    |                       |

## ZDK 4 -2

4 mm<sup>2</sup>

2-tier terminal



n

6.1 x 77.6 x 61  
/ 6  
0.08 ... 6



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 800 | 600          | 600         |          |
| 32  | 30           | 30          |          |
| 4   | AWG 26 ...10 | AWG 26...10 |          |
|     | 8 / 3        |             |          |
|     | A3 / V-0     |             |          |

| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6 / 1.5...4 |                       |
| 0.5...4 / 0.5...4 |                       |
| 10 / 3.5 x 0.6    |                       |

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| ZDU 4-2/3AN    | 100  | 1770360000 |
| ZDU 4-2/3AN BL | 100  | 1770860000 |

The rated voltage is reduced to 250V when using the cross connection.

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| ZDU 4-2/4AN    | 100  | 1806980000 |
| ZDU 4-2/4AN BL | 100  | 1806990000 |

The rated voltage is reduced to 250V when using the cross connection.

| Type       | Qty. | Order No.  |
|------------|------|------------|
| ZDK 4-2    | 50   | 8670750000 |
| ZDK 4-2 BL | 50   | 8670850000 |

| Type        | Current [A] | Qty. | Order No.  |
|-------------|-------------|------|------------|
| ZQV 4/2 GE  | 32          | 60   | 1608950000 |
| ZQV 4/3 GE  | 32          | 60   | 1608960000 |
| ZQV 4/4 GE  | 32          | 60   | 1608970000 |
| ZQV 4/10 GE | 32          | 20   | 1609030000 |

| Width [mm]    | Qty. | Order No.  |
|---------------|------|------------|
| ZAP ZDU4-2    | 2    | 1770400000 |
| ZAP ZDU4-2 BL | 2    | 1770880000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZEW        | 6    | 9540000000 |

|          |    |            |
|----------|----|------------|
| ZTA 6/ZA | 25 | 1780660000 |
|----------|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|            |    |            |
|------------|----|------------|
| ZAD 1/4 GE | 20 | 1609110000 |
|------------|----|------------|

DEK 6 / WS 12/6

By using the screen plug LS 2.8 (1056400000) the rated voltage is reduced to 250V.

| Type        | Current [A] | Qty. | Order No.  |
|-------------|-------------|------|------------|
| ZQV 4/2 GE  | 32          | 60   | 1608950000 |
| ZQV 4/3 GE  | 32          | 60   | 1608960000 |
| ZQV 4/4 GE  | 32          | 60   | 1608970000 |
| ZQV 4/10 GE | 32          | 20   | 1609030000 |

| Width [mm]        | Qty. | Order No.  |
|-------------------|------|------------|
| ZAP ZDU4-2/4AN    | 2    | 1807010000 |
| ZAP ZDU4-2/4AN BL | 2    | 1807020000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZEW        | 6    | 9540000000 |

|          |    |            |
|----------|----|------------|
| ZTA 6/ZA | 25 | 1780660000 |
|----------|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|            |    |            |
|------------|----|------------|
| ZAD 1/4 GE | 20 | 1609110000 |
|------------|----|------------|

DEK 6 / WS 12/6

| Type        | Current [A] | Qty. | Order No.  |
|-------------|-------------|------|------------|
| ZQV 4/2 GE  | 32          | 60   | 1608950000 |
| ZQV 4/3 GE  | 32          | 60   | 1608960000 |
| ZQV 4/4 GE  | 32          | 60   | 1608970000 |
| ZQV 4/10 GE | 32          | 20   | 1609030000 |

| Width [mm]        | Qty. | Order No.  |
|-------------------|------|------------|
| ZAP/TW ZDK 4-2    | 2    | 8670760000 |
| ZAP/TW ZDK 4-2 BL | 2    | 8670620000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZEW        | 6    | 9540000000 |

|          |    |            |
|----------|----|------------|
| ZTA 6/ZA | 25 | 1780660000 |
|----------|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|            |    |            |
|------------|----|------------|
| ZAD 1/4 GE | 20 | 1609110000 |
|------------|----|------------|

DEK 6

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# Feed-through terminals

## Roof-Style

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

| Clampable conductors (H05V/H07V)        |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |
| Tightening torque range clamping screw  | Nm              |
| Stripping length / blade size           | mm / -          |

### Information

### Ordering data

| Version |                  |
|---------|------------------|
|         | dark beige Wemid |
|         | blue Wemid       |

### Information

### Accessories

| Cross-connection, pluggable                                                         |                 |
|-------------------------------------------------------------------------------------|-----------------|
|  | 2-pole          |
|                                                                                     | 3-pole          |
|                                                                                     | 4-pole          |
|                                                                                     | 10-pole         |
|                                                                                     | 30-/41-/50-pole |

| End plate / partition |                  |
|-----------------------|------------------|
|                       | dark beige Wemid |
|                       | blue Wemid       |

| End bracket |                  |
|-------------|------------------|
|             | dark beige Wemid |

| Test adapter                         |                  |
|--------------------------------------|------------------|
| for testing of wired terminal strips | Standard version |
|                                      | With spigot      |

| Screwdriver |                                |
|-------------|--------------------------------|
|             | w. cutting device "swifty set" |
|             | Standard version               |

| Reducing sleeves |                                 |
|------------------|---------------------------------|
|                  | for conductors < 0.5mm / AWG 20 |
|                  | for conductors < 1.0mm / AWG 18 |

| Cover |                               |
|-------|-------------------------------|
|       | With elec. shock warn. symbol |
|       | neutral                       |

| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZDK 4-2 V

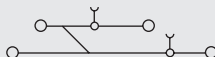
4 mm<sup>2</sup>

Vertically cross-connected 2-tier terminal



n

6.1 x 77.6 x 61  
/ 6  
0.08 ... 6



IEC 60947-7-1

| IEC | UL            | CSA         | EN 50019 |
|-----|---------------|-------------|----------|
| 800 | 600           | 600         |          |
| 32  | 30            | 30          |          |
| 4   | AWG 26 ... 10 | AWG 26...10 |          |
|     |               | 8 / 3       |          |
|     |               | A3 / V-0    |          |

| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6 / 1.5...4 |                       |
| 0.5...4 / 0.5...4 |                       |
| 10 / 3.5 x 0.6    |                       |

## ZDK 4-2 DU/PE

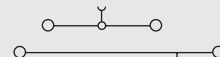
4 mm<sup>2</sup>

Phase protective conductor



n

6.1 x 77.6 x 61  
/ 6  
0.08 ... 6



IEC 60947-7-1

| IEC | UL            | CSA         | EN 50019 |
|-----|---------------|-------------|----------|
| 800 | 600           | 600         |          |
| 32  | 30            | 30          |          |
| 4   | AWG 26 ... 10 | AWG 26...10 |          |
|     |               | 8 / 3       |          |
|     |               | A3 / V-0    |          |

| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6 / 1.5...4 |                       |
| 0.5...4 / 0.5...4 |                       |
| 10 / 0.6 x 3.5    |                       |

# Feed-through terminals

## ZDU 6-2/2AN

6 mm<sup>2</sup>

Two connections



8.1 x 68 x 50  
/ 10  
0.33 ... 10



IEC 60947-7-1

| IEC | UL           | CSA          | EN 50019 |
|-----|--------------|--------------|----------|
| 800 | 600          | 600          |          |
| 41  | 45           | 50           |          |
| 6   | AWG 22 ... 8 | AWG 20 ... 8 |          |
|     | 8 / 3        |              |          |
|     | A5 / V-0     |              |          |



**Rated connection**      **Additional connection**

0.5...10  
0.5...10 / 0.5...6

12 / 0.6 x 3.5

## ZDU 6-2/3AN

6 mm<sup>2</sup>

Three connections



8.1 x 68 x 50  
/ 10  
0.33 ... 10



IEC 60947-7-1

| IEC | UL           | CSA          | EN 50019 |
|-----|--------------|--------------|----------|
| 800 | 600          | 600          |          |
| 41  | 45           | 50           |          |
| 6   | AWG 22 ... 8 | AWG 20 ... 8 |          |
|     | 8 / 3        |              |          |
|     | A5 / V-0     |              |          |



**Rated connection**      **Additional connection**

0.5...10  
0.5...10 / 0.5...6

12 / 0.6 x 3.5

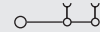
## ZEI 16-2 / 1 AN

16 mm<sup>2</sup>

Power distribution terminal



14 x 61.5 x 51.5  
/ 16  
1.5 ... 16



IEC 60947-7-1

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 800 |          |     |          |
| 76  |          |     |          |
| 16  |          |     |          |
|     | 6 / 3    |     |          |
|     | A7 / V-0 |     |          |

**Rated connection**      **Additional connection**

1.5...10 / 1.5...16  
1.5...16 / 1.5...16

18 / 5.5 x 1.0

Rated voltage is reduced to 400V resp. the rated voltage of the distribution terminals.

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| ZDU 6-2/2AN    | 50   | 1771380000 |
| ZDU 6-2/2AN BL | 50   | 1771390000 |

The rated voltage is reduced to 250V when using the cross connection.

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| ZDU 6-2/3AN    | 50   | 1771410000 |
| ZDU 6-2/3AN BL | 50   | 1771420000 |

The rated voltage is reduced to 250V when using the cross connection.

| Type            | Qty. | Order No.  |
|-----------------|------|------------|
| ZEI 16-2/1AN    | 20   | 1772940000 |
| ZEI 16-2/1AN BL | 20   | 1772950000 |

End plate is integrated.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 6/2 GE | 41          | 60   | 1627850000 |
| ZQV 6/3 GE | 41          | 60   | 1627860000 |
| ZQV 6/4 GE | 41          | 60   | 1627870000 |

|             |    |    |            |
|-------------|----|----|------------|
| ZQV 6/32 GE | 41 | 10 | 1733640000 |
|-------------|----|----|------------|

| Width [mm] |  |  |  |
|------------|--|--|--|
|------------|--|--|--|

|            |     |    |            |
|------------|-----|----|------------|
| ZAP ZDU6-2 | 2.5 | 50 | 1771440000 |
|------------|-----|----|------------|

|               |     |    |            |
|---------------|-----|----|------------|
| ZAP ZDU6-2 BL | 2.5 | 50 | 1771450000 |
|---------------|-----|----|------------|

| Width [mm] |  |  |  |
|------------|--|--|--|
|------------|--|--|--|

|     |   |    |            |
|-----|---|----|------------|
| ZEW | 6 | 20 | 9540000000 |
|-----|---|----|------------|

|          |    |  |            |
|----------|----|--|------------|
| ZTA 7/ZA | 25 |  | 1780670000 |
|----------|----|--|------------|

|                |    |  |            |
|----------------|----|--|------------|
| SD 0,8X4,0X100 | 10 |  | 9008340000 |
|----------------|----|--|------------|

|            |    |  |            |
|------------|----|--|------------|
| ZAD 2/4 GE | 20 |  | 1609080000 |
|------------|----|--|------------|

DEK 8

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 6/2 GE | 41          | 60   | 1627850000 |
| ZQV 6/3 GE | 41          | 60   | 1627860000 |
| ZQV 6/4 GE | 41          | 60   | 1627870000 |

|             |    |    |            |
|-------------|----|----|------------|
| ZQV 6/32 GE | 41 | 10 | 1733640000 |
|-------------|----|----|------------|

| Width [mm] |  |  |  |
|------------|--|--|--|
|------------|--|--|--|

|            |     |    |            |
|------------|-----|----|------------|
| ZAP ZDU6-2 | 2.5 | 50 | 1771440000 |
|------------|-----|----|------------|

|               |     |    |            |
|---------------|-----|----|------------|
| ZAP ZDU6-2 BL | 2.5 | 50 | 1771450000 |
|---------------|-----|----|------------|

| Width [mm] |  |  |  |
|------------|--|--|--|
|------------|--|--|--|

|     |   |    |            |
|-----|---|----|------------|
| ZEW | 6 | 20 | 9540000000 |
|-----|---|----|------------|

|          |    |  |            |
|----------|----|--|------------|
| ZTA 7/ZA | 25 |  | 1780670000 |
|----------|----|--|------------|

|                |    |  |            |
|----------------|----|--|------------|
| SD 0,6X3,5X100 | 10 |  | 9008330000 |
|----------------|----|--|------------|

|            |    |  |            |
|------------|----|--|------------|
| ZAD 2/4 GE | 20 |  | 1609080000 |
|------------|----|--|------------|

DEK 8

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 4/3 GE | 32          | 60   | 1608960000 |
| ZQV 6/4 GE | 41          | 60   | 1627870000 |

| Width [mm] |  |  |  |
|------------|--|--|--|
|------------|--|--|--|

| Width [mm] |  |  |  |
|------------|--|--|--|
|------------|--|--|--|

|     |   |    |            |
|-----|---|----|------------|
| ZEW | 6 | 20 | 9540000000 |
|-----|---|----|------------|

|                |    |  |            |
|----------------|----|--|------------|
| SD 1,0X5,5X150 | 10 |  | 9008350000 |
|----------------|----|--|------------|

|         |    |  |            |
|---------|----|--|------------|
| ZAD 5/5 | 20 |  | 1745210000 |
|---------|----|--|------------|

DEK 8

The pluggable cross-connections ZQV 2,5/..., ZQV 4/... and ZQV 6/... can be used.

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# PE terminals

## Standard model

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated voltage for adjacent terminal                    | V               |
| Rated impulse voltage for adjacent terminal            | kV              |
| Short-time current resistant                           | A               |
| Pollution severity                                     |                 |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

| Clampable conductors (H05V/H07V)         |                 |
|------------------------------------------|-----------------|
| Solid / stranded                         | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule  | mm <sup>2</sup> |
| Tightening torque range (clamping screw) | Nm              |
| Tightening torque range (fixing screw)   | Nm              |
| Stripping length / blade size            | mm / -          |

### 2 clampable conductors of equal cross-section

|                                         |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |

### Information

## Ordering data

| Version |                    |
|---------|--------------------|
|         | green/yellow Wemid |

### Information

## Accessories

| End plate |                  |
|-----------|------------------|
|           | dark beige Wemid |

| End bracket |                    |
|-------------|--------------------|
|             | dark beige / beige |

### Test adapter

|                                      |                  |
|--------------------------------------|------------------|
| For testing of wired terminal strips | Standard version |
|                                      | With spigot      |

### Screwdriver

|  |                                |
|--|--------------------------------|
|  | w. cutting device "swifty set" |
|  | Standard version               |



### Reducing sleeves

|                                                 |  |
|-------------------------------------------------|--|
| for conductors < 0.5 mm <sup>2</sup> / < AWG 20 |  |
| for conductors < 1.0 mm <sup>2</sup> / < AWG 18 |  |

### PEN-bridge

Insertable in distributor TN-S net between N- and PE-terminal

### Marking systems (see large assortment in chapter M)

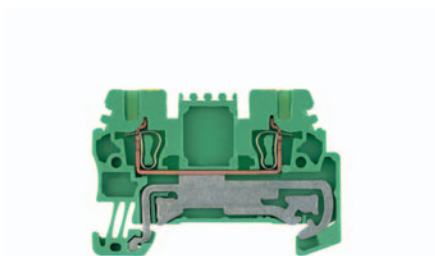
Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

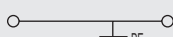
## ZPE 1.5

1.5 mm<sup>2</sup>

### Two connections



3.5 x 51.5 x 37  
/ 1.5  
0.08 ... 1.5



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL            | CSA           | EN 50019 |
|-----|---------------|---------------|----------|
| 1.5 | AWG 26 ... 14 | AWG 26 ... 14 | 1.5      |
|     | 500           |               |          |
|     | 6             |               |          |
|     | 3             |               |          |
|     | B1 / V-0      |               |          |



KEMA 01ATEX2106 U

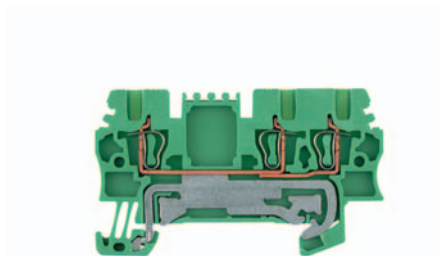
| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...1.5             |                       |
| 0.5...1.5 / 0.5...1.5 |                       |
|                       |                       |
|                       |                       |
| 10 / 0.4 x 20         |                       |

Flexible conductor 2.5 mm<sup>2</sup> is crimped using the Weidmüller-crimping tool PZ 6/5.

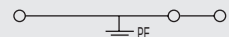
## ZPE 1.5/3AN

1.5 mm<sup>2</sup>

### Three connections



3.5 x 63.5 x 37  
/ 1.5  
0.08 ... 1.5



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL            | CSA           | EN 50019 |
|-----|---------------|---------------|----------|
| 1.5 | AWG 26 ... 14 | AWG 26 ... 14 | 1.5      |
|     | 500           |               |          |
|     | 6             |               |          |
|     | 3             |               |          |
|     | B1 / V-0      |               |          |



KEMA 01ATEX2106 U

| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...1.5             |                       |
| 0.5...1.5 / 0.5...1.5 |                       |
|                       |                       |
|                       |                       |
| 10 / 0.4 x 20         |                       |

Flexible conductor 2.5 mm<sup>2</sup> is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type    | Qty. | Order No.  |
|---------|------|------------|
| ZPE 1.5 | 100  | 1775510000 |

| Information |  |
|-------------|--|
|-------------|--|

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZPE 1.5/3AN | 100  | 1775600000 |

| Information |  |
|-------------|--|
|-------------|--|

| Type              | Width [mm] | Qty. | Order No.  |
|-------------------|------------|------|------------|
| ZAP/TW ZDU1.5/2AN | 3.5        | 20   | 1776030000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZEW        | 6    | 9540000000 |

| Type     | Qty. | Order No.  |
|----------|------|------------|
| ZTA 5    | 25   | 1776210000 |
| ZTA 5/ZA | 25   | 1776220000 |

| Type          | Qty. | Order No.  |
|---------------|------|------------|
| SD 0,4x2,0x60 | 10   | 9037160000 |

| Type       | Qty. | Order No.  |
|------------|------|------------|
| ZRH 1.5S/1 | 500  | 1781950000 |
| ZRH 1.5S/2 | 500  | 1781960000 |

| Type | Qty. | Order No. |
|------|------|-----------|
|------|------|-----------|

| Type              | Qty. | Order No. |
|-------------------|------|-----------|
| DEK 5 / WS 12/3,5 |      |           |

| Type              | Width [mm] | Qty. | Order No.  |
|-------------------|------------|------|------------|
| ZAP/TW ZDU1.5/3AN | 3.5        | 20   | 1776060000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZEW        | 6    | 9540000000 |

| Type     | Qty. | Order No.  |
|----------|------|------------|
| ZTA 5    | 25   | 1776210000 |
| ZTA 5/ZA | 25   | 1776220000 |

| Type          | Qty. | Order No.  |
|---------------|------|------------|
| SD 0,4x2,0x60 | 10   | 9037160000 |

| Type       | Qty. | Order No.  |
|------------|------|------------|
| ZRH 1.5S/1 | 500  | 1781950000 |
| ZRH 1.5S/2 | 500  | 1781960000 |

| Type | Qty. | Order No. |
|------|------|-----------|
|------|------|-----------|

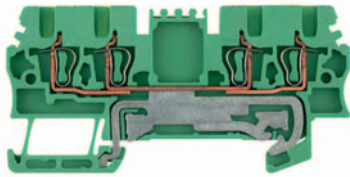
| Type              | Qty. | Order No. |
|-------------------|------|-----------|
| DEK 5 / WS 10/3,5 |      |           |

# PE terminals

## ZPE 1.5/4AN

1.5 mm<sup>2</sup>

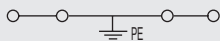
Four connections



3.5 x 75.5 x 37

/ 1.5

0.08 ... 1.5



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 1.5 | AWG 26 ...14 | AWG 26...14 | 1.5      |
|     | 500          |             |          |
|     | 6            |             |          |
|     | 3            |             |          |
|     | B1 / V-0     |             |          |



KEMA 01ATEX2106 U

| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...1.5             |                       |
| 0.5...1.5 / 0.5...1.5 |                       |

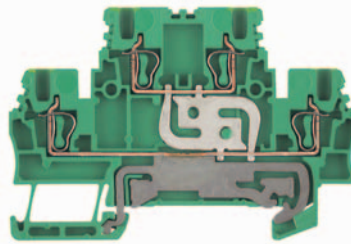
10 / 0.4 x 20

Flexible conductor 2,5 mm<sup>2</sup> is crimped using the Weidmüller-crimping tool PZ 6/5.

## ZDK 1.5 PE

1.5 mm<sup>2</sup>

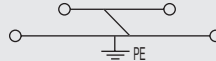
2-tier terminal



3.5 x 75.5 x 50

/ 1.5

0.08 ... 1.5



IEC 60947-7-2

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 1.5 | AWG 28 ...16 | AWG 28...16 |          |
|     | 500          |             |          |
|     | 6            |             |          |
|     | 3            |             |          |
|     | B1 / V-0     |             |          |



| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...1.5             |                       |
| 0.5...1.5 / 0.5...1.5 |                       |

10 / 0.4 x 20

Flexible conductor 2,5 mm<sup>2</sup> is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZPE 1.5/4AN | 100  | 1775620000 |

| Type      | Qty. | Order No.  |
|-----------|------|------------|
| ZDK 1.5PE | 100  | 1791150000 |

| Type              | Width [mm] | Qty. | Order No.  |
|-------------------|------------|------|------------|
| ZAP/TW ZDU1.5/4AN | 3.5        | 20   | 1776090000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

|          |    |            |
|----------|----|------------|
| ZTA 5    | 25 | 1776210000 |
| ZTA 5/ZA | 25 | 1776220000 |

|               |    |            |
|---------------|----|------------|
| SD 0,4x2,0x60 | 10 | 9037160000 |
|---------------|----|------------|

|            |     |            |
|------------|-----|------------|
| ZRH 1.5S/1 | 500 | 1781950000 |
| ZRH 1.5S/2 | 500 | 1781960000 |

DEK 5 / WS 12/3,5

| Type          | Width [mm] | Qty. | Order No.  |
|---------------|------------|------|------------|
| ZAP/TW ZDK1.5 | 2          | 20   | 1791160000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

|          |    |            |
|----------|----|------------|
| ZTA 5    | 25 | 1776210000 |
| ZTA 5/ZA | 25 | 1776220000 |

|               |    |            |
|---------------|----|------------|
| SD 0,4x2,0x60 | 10 | 9037160000 |
|---------------|----|------------|

|            |     |            |
|------------|-----|------------|
| ZRH 1.5S/1 | 500 | 1781950000 |
| ZRH 1.5S/2 | 500 | 1781960000 |

DEK 5/3,5 / WS 10/3,5

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2



# PE terminals

## Standard model

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated voltage for adjacent terminal                    | V               |
| Rated impulse voltage for adjacent terminal            | kV              |
| Short-time current resistant                           | A               |
| Pollution severity                                     |                 |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

| Clampable conductors (H05V/H07V)         |                 |
|------------------------------------------|-----------------|
| Solid / stranded                         | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule  | mm <sup>2</sup> |
| Tightening torque range (clamping screw) | Nm              |
| Tightening torque range (fixing screw)   | Nm              |
| Stripping length / blade size            | mm / -          |

| 2 clampable conductors of equal cross-section |                 |
|-----------------------------------------------|-----------------|
| Solid / stranded                              | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule       | mm <sup>2</sup> |

## Information

## Ordering data

| Version |                    |
|---------|--------------------|
|         | green/yellow Wemid |

## Information

## Accessories

| End plate |                  |
|-----------|------------------|
|           | dark beige Wemid |

| End bracket |                    |
|-------------|--------------------|
|             | dark beige / beige |

| Test adapter                         |                                 |
|--------------------------------------|---------------------------------|
| For testing of wired terminal strips | Standard version<br>With spigot |

| Screwdriver |                                                    |
|-------------|----------------------------------------------------|
|             | w. cutting device "swifty set"<br>Standard version |

| Reducing sleeves |                                                                                                    |
|------------------|----------------------------------------------------------------------------------------------------|
|                  | for conductors < 0.5 mm <sup>2</sup> / < AWG 20<br>for conductors < 1.0 mm <sup>2</sup> / < AWG 18 |

| PEN-bridge |                                                               |
|------------|---------------------------------------------------------------|
|            | Insertable in distributor TN-S net between N- and PE-terminal |

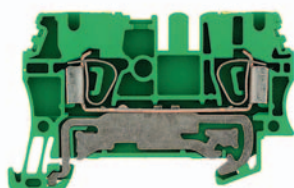
| Marking systems | (see large assortment in chapter M) |
|-----------------|-------------------------------------|
|                 | Tags                                |

For detailed information on additional accessories and usage instructions see chapter accessories.

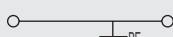
## ZPE 2.5

2.5 mm<sup>2</sup>

### Two connections



5.1 x 59.5 x 39.5  
/ 4  
0.08 ... 4



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 2.5 | AWG 26 ...12 | AWG 26...12 | 2.5      |
|     | 800          |             |          |
|     | 8            |             |          |
|     | 3            |             |          |
|     | A3 / V-0     |             |          |



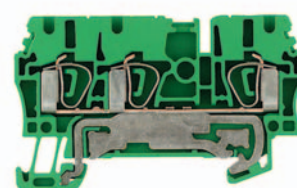
KEMA 97ATEX2521 U

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 0.5...4             |                       |
| 0.5...4 / 0.5...2.5 |                       |
|                     |                       |
|                     |                       |
| 10 / 0.6 x 3.5      |                       |

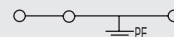
## ZPE 2.5/3AN

2.5 mm<sup>2</sup>

### Three connections



5.1 x 64.5 x 39.5  
/ 4  
0.08 ... 4



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 2.5 | AWG 26 ...12 | AWG 26...12 | 2.5      |
|     | 800          |             |          |
|     | 8            |             |          |
|     | 3            |             |          |
|     | A3 / V-0     |             |          |



KEMA 97ATEX2521 U

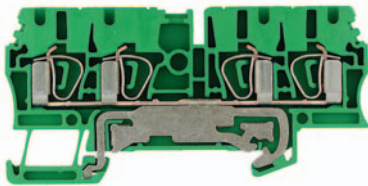
| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 0.5...4             |                       |
| 0.5...4 / 0.5...2.5 |                       |
|                     |                       |
|                     |                       |
| 10 / 0.6 x 3.5      |                       |

# PE terminals

## ZPE 2.5/4AN

2.5 mm<sup>2</sup>

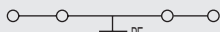
Four connections



5.1 x 79.5 x 39.5

/ 4

0.08 ... 4



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL            | CSA         | EN 50019 |
|-----|---------------|-------------|----------|
| 2.5 | AWG 26 ... 12 | AWG 26...12 | 2.5      |

800

8

3

A3 / V-0



KEMA 97ATEX2521 U

**Rated connection**

0.5...4

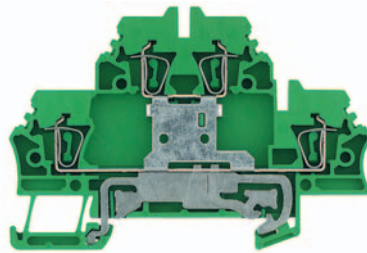
0.5...4 / 0.5...2.5

10 / 0.6 x 3.5

## ZDK 2.5/1.5PE

2.5 mm<sup>2</sup>

Vertically cross-connected



5.1 x 79.5 x 54

/ 2.5

0.08 ... 2.5



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL            | CSA         | EN 50019 |
|-----|---------------|-------------|----------|
| 2.5 | AWG 26 ... 14 | AWG 26...12 | 2.5      |

500

6

3

A2 / V-0



KEMA 99ATEX4677 U

**Rated connection**

0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5

Flexible conductor 2.5 mm<sup>2</sup> is crimped with the Weidmüller-crimping tool PZ 6/5.

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZPE 2.5/4AN | 100  | 1608660000 |

| Type          | Qty. | Order No.  |
|---------------|------|------------|
| ZDK 2.5/1.5PE | 50   | 1690000000 |

| Type     | Width [mm] | Qty. | Order No.  |
|----------|------------|------|------------|
| ZAP/TW 3 | 2          | 50   | 1608800000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

| Type     | Width [mm] | Qty. | Order No.  |
|----------|------------|------|------------|
| ZTA 1    | 25         |      | 1609040000 |
| ZTA 1/ZA | 25         |      | 1609050000 |

| Type           | Width [mm] | Qty. | Order No.  |
|----------------|------------|------|------------|
| SD 0,6X3,5X100 |            | 10   | 9008330000 |

| Type            | Width [mm] | Qty. | Order No.  |
|-----------------|------------|------|------------|
| ZRH 2.5/1 WS    |            | 100  | 1614300000 |
| ZRH 2.5/2 GR/V0 |            | 100  | 1614290000 |

DEK 5 / WS 10/5

| Type              | Width [mm] | Qty. | Order No.  |
|-------------------|------------|------|------------|
| ZAP/TW ZDK2.5/1.5 | 1.5        | 20   | 1674730000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

| Type  | Width [mm] | Qty. | Order No.  |
|-------|------------|------|------------|
| ZTA 4 | 25         |      | 1688110000 |

| Type           | Width [mm] | Qty. | Order No.  |
|----------------|------------|------|------------|
| SD 0,6X3,5X100 |            | 10   | 9008330000 |

| Type       | Width [mm] | Qty. | Order No.  |
|------------|------------|------|------------|
| ZRH 1.5H/1 |            | 100  | 1678810000 |
| ZRH 1.5H/2 |            | 100  | 1678800000 |

DEK 5 / WS 12/5

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# PE terminals

## Standard model

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated voltage for adjacent terminal                    | V               |
| Rated impulse voltage for adjacent terminal            | kV              |
| Short-time current resistant                           | A               |
| Pollution severity                                     |                 |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

| Clampable conductors (H05V/H07V)         |                 |
|------------------------------------------|-----------------|
| Solid / stranded                         | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule  | mm <sup>2</sup> |
| Tightening torque range (clamping screw) | Nm              |
| Tightening torque range (fixing screw)   | Nm              |
| Stripping length / blade size            | mm / -          |

| 2 clampable conductors of equal cross-section |                 |
|-----------------------------------------------|-----------------|
| Solid / stranded                              | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule       | mm <sup>2</sup> |

## Information

## Ordering data

| Version |                    |
|---------|--------------------|
|         | green/yellow Wemid |

## Information

## Accessories

| End plate |                  |
|-----------|------------------|
|           | dark beige Wemid |

| End bracket |                    |
|-------------|--------------------|
|             | dark beige / beige |

| Test adapter                         |                  |
|--------------------------------------|------------------|
| For testing of wired terminal strips | Standard version |
|                                      | With spigot      |

| Screwdriver |                                |
|-------------|--------------------------------|
|             | w. cutting device "swifty set" |
|             | Standard version               |

| Reducing sleeves |                                                 |
|------------------|-------------------------------------------------|
|                  | for conductors < 0.5 mm <sup>2</sup> / < AWG 20 |
|                  | for conductors < 1.0 mm <sup>2</sup> / < AWG 18 |

| PEN-bridge |                                                               |
|------------|---------------------------------------------------------------|
|            | Insertable in distributor TN-S net between N- and PE-terminal |

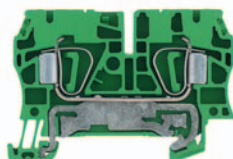
| Marking systems | (see large assortment in chapter M) |
|-----------------|-------------------------------------|
|                 | Tags                                |

For detailed information on additional accessories and usage instructions see chapter accessories.

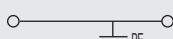
## ZPE 4

4 mm<sup>2</sup>

### Two connections



|               |
|---------------|
| 6 x 62 x 43.5 |
| / 6           |
| 0.13 ... 6    |



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL            | CSA         | EN 50019 |
|-----|---------------|-------------|----------|
| 4   | AWG 26 ... 10 | AWG 26...10 | 4        |
|     | 800           |             |          |
|     | 8             |             |          |
|     | 3             |             |          |
|     | A4 / V-0      |             |          |

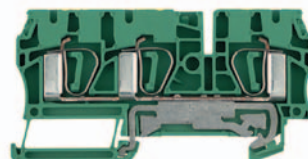
KEMA 97ATEX2521 U

| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6 / 1.5...6 |                       |
| 0.5...6 / 0.5...4 |                       |
|                   |                       |
|                   |                       |
| 12 / 0.6 x 3.5    |                       |

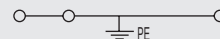
## ZPE 4/3 AN

4 mm<sup>2</sup>

### Three connections



|                 |
|-----------------|
| 6 x 83.5 x 43.5 |
| / 6             |
| 0.13 ... 6      |



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL            | CSA         | EN 50019 |
|-----|---------------|-------------|----------|
| 4   | AWG 26 ... 10 | AWG 26...10 | 4        |
|     | 800           |             |          |
|     | 8             |             |          |
|     | 3             |             |          |
|     | A4 / V-0      |             |          |

KEMA 00ATEX2107 U

| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6 / 0.5...6 |                       |
| 0.5...6 / 0.5...4 |                       |
|                   |                       |
|                   |                       |
| 12 / 0.6 x 3.5    |                       |

| Type  | Qty. | Order No.  |
|-------|------|------------|
| ZPE 4 | 100  | 1632080000 |

## Information

| Type      | Qty. | Order No.  |
|-----------|------|------------|
| ZPE 4/3AN | 50   | 7904170000 |

## Information

| Type        | Width [mm] | Qty. | Order No.  |
|-------------|------------|------|------------|
| ZAP/TW 4 DB | 2          | 50   | 1632090000 |

| Width [mm] |   |    |
|------------|---|----|
| ZEW        | 6 | 20 |
| 9540000000 |   |    |

| Type          | Qty. | Order No.  |
|---------------|------|------------|
| ZTA 2 ZDU4    | 25   | 1609060000 |
| ZTA 2/ZA ZDU4 | 25   | 1609070000 |

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| SD 0,6X3,5X100 | 10   | 9008330000 |

| Type       | Qty. | Order No.  |
|------------|------|------------|
| ZRH 4/1 WS | 100  | 1636640000 |
| ZRH 4/2    | 100  | 1636650000 |

| Type | Qty. | Order No. |
|------|------|-----------|
|      |      |           |

| Type            | Qty. | Order No. |
|-----------------|------|-----------|
| DEK 6 / WS 12/6 |      |           |

| Type        | Width [mm] | Qty. | Order No.  |
|-------------|------------|------|------------|
| ZAP/TW4/3AN | 2          | 20   | 7904100000 |

| Width [mm] |   |            |
|------------|---|------------|
| ZEW        | 6 | 20         |
|            |   | 9540000000 |

| Type          | Qty. | Order No.  |
|---------------|------|------------|
| ZTA 2 ZDU4    | 25   | 1609060000 |
| ZTA 2/ZA ZDU4 | 25   | 1609070000 |

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| SD 0,6X3,5X100 | 10   | 9008330000 |

| Type       | Qty. | Order No.  |
|------------|------|------------|
| ZRH 4/1 WS | 100  | 1636640000 |
| ZRH 4/2    | 100  | 1636650000 |

| Type | Qty. | Order No. |
|------|------|-----------|
|      |      |           |

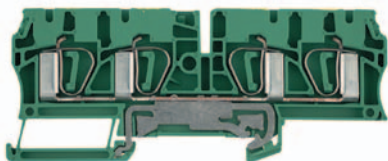
| Type            | Qty. | Order No. |
|-----------------|------|-----------|
| DEK 6 / WS 12/6 |      |           |

# PE terminals

## ZPE 4/4 AN

4 mm<sup>2</sup>

Four connections



6 x 104.35 x 43.5

/ 6

0.13 ... 6



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 4   | AWG 26 ...10 | AWG 26...10 | 4        |

|     |  |  |  |
|-----|--|--|--|
| 800 |  |  |  |
| 8   |  |  |  |

|          |  |  |  |
|----------|--|--|--|
| 3        |  |  |  |
| A4 / V-0 |  |  |  |



KEMA 00ATEX2107 U

**Rated connection**

0.5...6 / 0.5...6

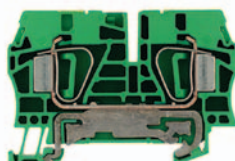
0.5...6 / 0.5...4

12 / 0.6 x 3.5

## ZPE 6

6 mm<sup>2</sup>

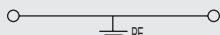
Two connections



8 x 65 x 45.5

/ 10

0.21 ... 10



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 6   | AWG 22 ...8 | AWG 20...8 | 6        |

|     |  |  |  |
|-----|--|--|--|
| 800 |  |  |  |
| 8   |  |  |  |

|          |  |  |  |
|----------|--|--|--|
| 3        |  |  |  |
| A5 / V-0 |  |  |  |



KEMA 97ATEX2521 U

**Rated connection**

0.5...10 / 1.5...10

0.5...10 / 0.5...6

13 / 0.6 x 3.5

## ZPE 6/3 AN

6 mm<sup>2</sup>

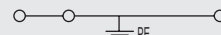
Three connections



8 x 90 x 45.6

/ 10

0.21 ... 10



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 6   | AWG 22 ...8 | AWG 20...8 | 6        |

|     |  |  |  |
|-----|--|--|--|
| 800 |  |  |  |
| 8   |  |  |  |

|          |  |  |  |
|----------|--|--|--|
| 3        |  |  |  |
| A5 / V-0 |  |  |  |



KEMA 00ATEX2107 U

**Rated connection**

0.5...10 / 1.5...10

0.5...10 / 0.5...6

13 / 0.6 x 3.5

| Type      | Qty. | Order No.  |
|-----------|------|------------|
| ZPE 4/4AN | 50   | 7904280000 |

| Type  | Qty. | Order No.  |
|-------|------|------------|
| ZPE 6 | 50   | 1608670000 |

| Type      | Qty. | Order No.  |
|-----------|------|------------|
| ZPE 6/3AN | 50   | 7907400000 |

| Type        | Width [mm] | Qty. | Order No.  |
|-------------|------------|------|------------|
| ZAP/TW4/4AN | 2          | 20   | 7904210000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

|               |    |            |  |
|---------------|----|------------|--|
| ZTA 2 ZDU4    | 25 | 1609060000 |  |
| ZTA 2/ZA ZDU4 | 25 | 1609070000 |  |

|  |  |  |  |
|--|--|--|--|
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|--|--|--|--|

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|  |  |  |  |
|--|--|--|--|

|                |    |            |  |
|----------------|----|------------|--|
| SD 0,6X3,5X100 | 10 | 9008330000 |  |
|----------------|----|------------|--|

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

|            |     |            |  |
|------------|-----|------------|--|
| ZRH 4/1 WS | 100 | 1636640000 |  |
| ZRH 4/2    | 100 | 1636650000 |  |

|  |  |  |  |
|--|--|--|--|
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|                 |  |  |  |
|-----------------|--|--|--|
| DEK 6 / WS 12/6 |  |  |  |
|-----------------|--|--|--|

| Type     | Width [mm] | Qty. | Order No.  |
|----------|------------|------|------------|
| ZAP/TW 5 | 2          | 50   | 1608830000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

|            |    |            |  |
|------------|----|------------|--|
| ZTA 3 ZDU6 | 25 | 1654050000 |  |
|------------|----|------------|--|

|  |  |  |  |
|--|--|--|--|
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|--|--|--|--|

|                |    |            |  |
|----------------|----|------------|--|
| SD 1,0X5,5X150 | 10 | 9008350000 |  |
|----------------|----|------------|--|

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| DEK 8 / WS 12/6 |  |  |  |
|-----------------|--|--|--|

| Type        | Width [mm] | Qty. | Order No.  |
|-------------|------------|------|------------|
| ZAP/TW6/3AN | 2          | 20   | 7907370000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

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| ZTA 3 ZDU6 | 25 | 1654050000 |  |
|------------|----|------------|--|

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| SD 1,0X5,5X150 | 10 | 9008350000 |  |
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| DEK 8 / WS 12/6 |  |  |  |
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# PE terminals

## Standard model

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated voltage for adjacent terminal                    | V               |
| Rated impulse voltage for adjacent terminal            | kV              |
| Short-time current resistant                           | A               |
| Pollution severity                                     |                 |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

| Clampable conductors (H05V/H07V)         |                 |
|------------------------------------------|-----------------|
| Solid / stranded                         | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule  | mm <sup>2</sup> |
| Tightening torque range (clamping screw) | Nm              |
| Tightening torque range (fixing screw)   | Nm              |
| Stripping length / blade size            | mm / -          |

| 2 clampable conductors of equal cross-section |                 |
|-----------------------------------------------|-----------------|
| Solid / stranded                              | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule       | mm <sup>2</sup> |

## Information

## Ordering data

| Version |                    |
|---------|--------------------|
|         | green/yellow Wemid |

## Information

## Accessories

| End plate |                  |
|-----------|------------------|
|           | dark beige Wemid |

| End bracket |                    |
|-------------|--------------------|
|             | dark beige / beige |

| Test adapter                         |                                 |
|--------------------------------------|---------------------------------|
| For testing of wired terminal strips | Standard version<br>With spigot |

| Screwdriver |                                                    |
|-------------|----------------------------------------------------|
|             | w. cutting device "swifty set"<br>Standard version |

| Reducing sleeves |                                                                                                    |
|------------------|----------------------------------------------------------------------------------------------------|
|                  | for conductors < 0.5 mm <sup>2</sup> / < AWG 20<br>for conductors < 1.0 mm <sup>2</sup> / < AWG 18 |

| PEN-bridge |                                                               |
|------------|---------------------------------------------------------------|
|            | Insertable in distributor TN-S net between N- and PE-terminal |

| Marking systems | (see large assortment in chapter M) |
|-----------------|-------------------------------------|
|                 | Tags                                |

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZPE 10

10 mm<sup>2</sup>

### Two connections



|                  |  |
|------------------|--|
| 10 x 73.5 x 50.5 |  |
| / 16             |  |
| 1.31 ... 16      |  |

IEC 60947-7-2 EEx e II T II 2 G D

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 10  | AWG 16 ...6 | AWG 16...6 | 10       |
|     |             | 800        |          |
|     |             | 8          |          |
|     |             | 3          |          |
|     | A6 / V-0    |            |          |

KEMA 99ATEX5514 U

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 1.5...16 / 10...16  |                       |
| 1.5...10 / 1.5...10 |                       |
|                     |                       |
|                     |                       |
| 18 / 1.0 x 5.5      |                       |

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| Type   | Qty. | Order No.  |
|--------|------|------------|
| ZPE 10 | 25   | 1746770000 |

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| Type         | Width [mm] | Qty. | Order No.  |
|--------------|------------|------|------------|
| ZAP/TW ZDU10 | 2.7        | 20   | 1748660000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

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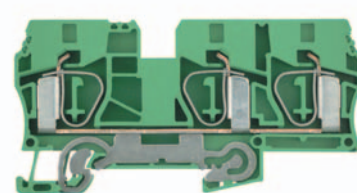
|                 |  |  |
|-----------------|--|--|
| DEK 5 / WS 12/6 |  |  |
|-----------------|--|--|

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## ZPE 10/3 AN

10 mm<sup>2</sup>

### Three connections



|                |  |
|----------------|--|
| 10 x 99 x 50.5 |  |
| / 16           |  |
| 1.31 ... 16    |  |

IEC 60947-7-2 EEx e II T II 2 G D

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 10  | AWG 16 ...6 | AWG 16...6 | 10       |
|     |             | 800        |          |
|     |             | 8          |          |
|     |             | 3          |          |
|     | A6 / V-0    |            |          |

KEMA 00ATEX2107 U

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 1.5...16 / 10...16  |                       |
| 1.5...10 / 1.5...10 |                       |
|                     |                       |
|                     |                       |
| 18 / 1.0 x 5.5      |                       |

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| Type       | Qty. | Order No.  |
|------------|------|------------|
| ZPE 10/3AN | 20   | 1767670000 |

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| Type         | Width [mm] | Qty. | Order No.  |
|--------------|------------|------|------------|
| ZAP/TW 10/16 | 3          | 20   | 1749580000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

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| DEK 5 / WS 12/6 |  |  |
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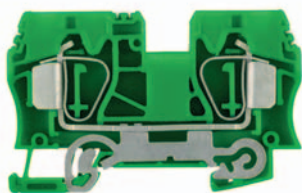
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# PE terminals

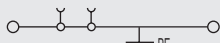
## ZPE 16

16 mm<sup>2</sup>

Two connections



12 x 82.5 x 51.5  
/ 25  
1.5 ... 25



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 16  | AWG 14 ...4 | AWG 14...4 | 16       |

|     |  |  |  |
|-----|--|--|--|
| 800 |  |  |  |
| 8   |  |  |  |

|          |  |  |  |
|----------|--|--|--|
| 3        |  |  |  |
| A7 / V-0 |  |  |  |



KEMA 99ATEX5514 U

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 1.5...16 / 16...25  |                       |
| 1.5...16 / 1.5...16 |                       |

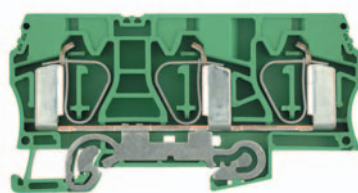
18 / 1.0 x 5.5

To keep up the current-carrying capacity of the mounting rail, the use of TS 35 x 15 is required.

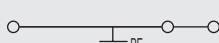
## ZPE 16/3AN

16 mm<sup>2</sup>

Three connections



12 x 99 x 51.5  
/ 25  
1.5 ... 25



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 16  | AWG 14 ...4 | AWG 14...4 | 16       |

|     |  |  |  |
|-----|--|--|--|
| 800 |  |  |  |
| 8   |  |  |  |

|          |  |  |  |
|----------|--|--|--|
| 3        |  |  |  |
| A7 / V-0 |  |  |  |



KEMA 00ATEX2107 U

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 1.5...16 / 16...25  |                       |
| 1.5...16 / 1.5...16 |                       |

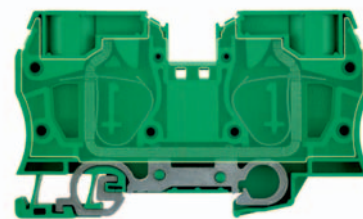
18 / 1.0 x 5.5

To keep up the current-carrying capacity of the mounting rail, the use of TS 35 x 15 is required.

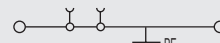
## ZPE 35

35 mm<sup>2</sup>

Two connections



16 x 100.5 x 60  
/ 35  
2.5 ... 35



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 35  | AWG 12 ...2 | AWG 12...2 | 35       |

|     |  |  |  |
|-----|--|--|--|
| 800 |  |  |  |
| 8   |  |  |  |

|          |  |  |  |
|----------|--|--|--|
| 3        |  |  |  |
| A8 / V-0 |  |  |  |



KEMA 00ATEX2107 U

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 2.5...16 / 2.5...35 |                       |
| 2.5...35 / 2.5...35 |                       |

25 / 1.0 x 5.5

To keep up the current-carrying capacity of the mounting rail, the use of TS 35 x 15 is required.

| Type   | Qty. | Order No.  |
|--------|------|------------|
| ZPE 16 | 25   | 1745250000 |

| Type       | Qty. | Order No.  |
|------------|------|------------|
| ZPE 16/3AN | 20   | 1768310000 |

| Type   | Qty. | Order No.  |
|--------|------|------------|
| ZPE 35 | 10   | 1739650000 |

End plate is integrated.

| Type         | Width [mm] | Qty. | Order No.  |
|--------------|------------|------|------------|
| ZAP/TW ZDU16 | 3          | 20   | 1745150000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| SD 1,0X5,5X150 | 10   | 9008350000 |

DEK 5 / WS 15/5

The pluggable cross-connections ZQV 16/2 (1739690000) can be used.

| Type         | Width [mm] | Qty. | Order No.  |
|--------------|------------|------|------------|
| ZAP/TW 10/16 | 3          | 20   | 1749580000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| SD 1,0X5,5X150 | 10   | 9008350000 |

DEK 5 / WS 15/5

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| SD 1,0X5,5X150 | 10   | 9008350000 |

DEK 5 / WS 15/5

The pluggable cross-connections ZQV 35/2 (1739700000) can be used.

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2



# PE terminals

## Roof-Style

The compact terminal family for conductor cross-section of 0.13 to 16 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated voltage for adjacent terminal                    | V               |
| Rated impulse voltage for adjacent terminal            | kV              |
| Short-time current resistant                           | A               |
| Pollution severity                                     |                 |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

| Clampable conductors (H05V/H07V)         |                 |
|------------------------------------------|-----------------|
| Solid / stranded                         | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule  | mm <sup>2</sup> |
| Tightening torque range (clamping screw) | Nm              |
| Tightening torque range (fixing screw)   | Nm              |
| Stripping length / blade size            | mm / -          |

| 2 clampable conductors of equal cross-section |                 |
|-----------------------------------------------|-----------------|
| Solid / stranded                              | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule       | mm <sup>2</sup> |

| Information |
|-------------|
|-------------|

## Ordering data

| Version            |
|--------------------|
| green/yellow Wemid |

| Information |
|-------------|
|-------------|

## Accessories

| End plate        |
|------------------|
| dark beige Wemid |

| End bracket        |
|--------------------|
| dark beige / beige |

| Test adapter                         |
|--------------------------------------|
| For testing of wired terminal strips |
| Standard version                     |
| With spigot                          |

| Screwdriver                    |
|--------------------------------|
| w. cutting device "swifty set" |
| Standard version               |



| Reducing sleeves                                |
|-------------------------------------------------|
| for conductors < 0.5 mm <sup>2</sup> / < AWG 20 |
| for conductors < 1.0 mm <sup>2</sup> / < AWG 18 |

| PEN-bridge                                                    |
|---------------------------------------------------------------|
| Insertable in distributor TN-S net between N- and PE-terminal |

| Marking systems (see large assortment in chapter M) |
|-----------------------------------------------------|
| Tags                                                |

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZPE 2.5-2

2.5 mm<sup>2</sup>

### Two connections



|                 |
|-----------------|
| 5.1 x 50.5 x 44 |
| / 2.5           |
| 0.13 ... 2.5    |

IEC 60947-7-2

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 2.5 | AWG 26 ...12 | AWG 26...14 |          |
|     | 800          |             |          |
|     | 8            |             |          |
|     | 3            |             |          |
|     | A2 / V-0     |             |          |



| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...1.5 |                       |
|                       |                       |
|                       |                       |
| 10 / 0.6 x 3.5        |                       |

Flexible conductor 2,5 mm<sup>2</sup> is crimped with the Weidmüller-crimping tool PZ 6/5.

## ZPE 2.5-2/3AN

2.5 mm<sup>2</sup>

### Three connections



|                 |
|-----------------|
| 5.1 x 50.5 x 44 |
| / 2.5           |
| 0.13 ... 2.5    |

IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 2.5 | AWG 26 ...12 | AWG 26...14 | 2.5      |
|     | 800          |             |          |
|     | 8            |             |          |
|     | 3            |             |          |
|     | A2 / V-0     |             |          |



KEMA 97ATEX4677 U

| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...1.5 |                       |
|                       |                       |
|                       |                       |
| 10 / 0.6 x 3.5        |                       |

Flexible conductor 2,5 mm<sup>2</sup> is crimped with the Weidmüller-crimping tool PZ 6/5.

# PE terminals

## ZPE 2.5-2/4AN

2.5 mm<sup>2</sup>

Four connections



5.1 x 50.5 x 44

/ 2.5

0.13 ... 2.5



IEC 60947-7-2

EEx e II T II 2 G D

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 2.5 | AWG 26 ...12 | AWG 26...14 | 2.5      |
|     | 800          |             |          |
|     | 8            |             |          |
|     | 3            |             |          |
|     | A2 / V-0     |             |          |

KEMA 97ATEX4677 U

| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...1.5 |                       |

10 / 0.6 x 3.5

Flexible conductor 2,5 mm<sup>2</sup> is crimped with the Weidmüller-crimping tool PZ 6/5.

## ZDK 2.5-2 PE

2.5 mm<sup>2</sup>

Four connections

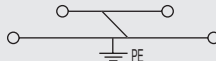


n

5.1 x 72.5 x 56

/ 2.5

0.13 ... 2.5



IEC 60947-7-2

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 800          |             |          |
|     | 8            |             |          |
|     | 3            |             |          |
|     | A2 / V-0     |             |          |

UL 60947-7-2

| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...1.5 |                       |

10 / 0.6 x 3.5

Flexible conductor 2,5 mm<sup>2</sup> is crimped with the Weidmüller-crimping tool PZ 6/5.

## ZPE 4-2/2AN

4 mm<sup>2</sup>

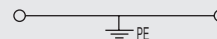
Two connections



6.1 x 61.5 x 46

/ 6

0.13 ... 6



IEC 60947-7-2

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 4   | AWG 26 ...10 | AWG 26...10 |          |
|     | 800          |             |          |
|     | 8            |             |          |
|     | 3            |             |          |
|     | A3 / V-0     |             |          |

UL 60947-7-2

| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6           |                       |
| 0.5...4 / 0.5...4 |                       |

10 / 0.6 x 3.5

Flexible conductor 4 mm<sup>2</sup> is crimped with the Weidmüller-crimping tool PZ 6/5.

| Type          | Qty. | Order No.  |
|---------------|------|------------|
| ZPE 2.5-2/4AN | 100  | 1706100000 |

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZDK 2.5-2PE | 50   | 1791010000 |

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZPE 4-2/2AN | 100  | 1770380000 |

| Type    | Width [mm] | Qty. | Order No.  |
|---------|------------|------|------------|
| ZAP/TW7 | 2.5        | 50   | 1706110000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

| Type  | Width [mm] | Qty. | Order No.  |
|-------|------------|------|------------|
| ZTA 4 | 25         |      | 1688110000 |

| Type           | Width [mm] | Qty. | Order No.  |
|----------------|------------|------|------------|
| SD 0,6X3,5X100 | 10         |      | 9008330000 |

| Type       | Width [mm] | Qty. | Order No.  |
|------------|------------|------|------------|
| ZRH 1.5H/1 | 100        |      | 1678810000 |

| Type       | Width [mm] | Qty. | Order No.  |
|------------|------------|------|------------|
| ZRH 1.5H/2 | 100        |      | 1678800000 |

DEK 5 / WS 10/5

| Type            | Width [mm] | Qty. | Order No.  |
|-----------------|------------|------|------------|
| ZAP/TW ZDK2.5-2 | 2          | 20   | 1791050000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

| Type  | Width [mm] | Qty. | Order No.  |
|-------|------------|------|------------|
| ZTA 4 | 25         |      | 1688110000 |

| Type          | Width [mm] | Qty. | Order No.  |
|---------------|------------|------|------------|
| SD 0,5X3,0X80 | 10         |      | 9008320000 |

| Type       | Width [mm] | Qty. | Order No.  |
|------------|------------|------|------------|
| ZRH 1.5H/1 | 100        |      | 1678810000 |

| Type       | Width [mm] | Qty. | Order No.  |
|------------|------------|------|------------|
| ZRH 1.5H/2 | 100        |      | 1678800000 |

DEK 5 / WS 10/5

| Type       | Width [mm] | Qty. | Order No.  |
|------------|------------|------|------------|
| ZAP ZDU4-2 | 2          | 50   | 1770400000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

| Type     | Width [mm] | Qty. | Order No.  |
|----------|------------|------|------------|
| ZTA 6/ZA | 25         |      | 1780660000 |

| Type           | Width [mm] | Qty. | Order No.  |
|----------------|------------|------|------------|
| SD 0,6X3,5X100 | 10         |      | 9008330000 |

DEK 6 / WS 12/6

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

Weidmüller

C.33

# PE terminals

## Roof-Style

The compact terminal family for conductor cross-sections of 0.13 to 16 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated voltage for adjacent terminal                    | V               |
| Rated impulse voltage for adjacent terminal            | kV              |
| Short-time current resistant                           | A               |
| Pollution severity                                     |                 |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Tightening torque range (clamping screw)               | Nm              |
| Tightening torque range (fixing screw)                 | Nm              |
| Stripping length / blade size                          | mm / -          |
| 2 clampable conductors of equal cross-section          |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Information                                            |                 |

## Ordering data

| Version     |                    |
|-------------|--------------------|
|             | green/yellow Wemid |
| Information |                    |

## Accessories

| End plate                                                                                          |                                                                                                    |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|                                                                                                    | dark beige Wemid                                                                                   |
| End bracket                                                                                        |                                                                                                    |
|                                                                                                    | dark beige / beige                                                                                 |
| Test adapter                                                                                       |                                                                                                    |
| For testing of wired terminal strips                                                               | Standard version<br>With spigot                                                                    |
| Screwdriver                                                                                        |                                                                                                    |
|                                                                                                    | w. cutting device "swifty set"<br>Standard version                                                 |
|                 |                                                                                                    |
| Reducing sleeves                                                                                   |                                                                                                    |
|                                                                                                    | for conductors < 0.5 mm <sup>2</sup> / < AWG 20<br>for conductors < 1.0 mm <sup>2</sup> / < AWG 18 |
| PEN-bridge                                                                                         |                                                                                                    |
|                                                                                                    | Insertable in distributor TN-S net between N- and PE-terminal                                      |
| Marking systems (see large assortment in chapter M)                                                |                                                                                                    |
|                                                                                                    | Tags                                                                                               |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                                                                                                    |

## ZPE 4-2/3AN

4 mm<sup>2</sup>

### Three connections



|                 |  |
|-----------------|--|
| 6.1 x 61.5 x 46 |  |
| / 6             |  |
| 0.13 ... 6      |  |

IEC 60947-7-2

| IEC | UL            | CSA         | EN 50019 |
|-----|---------------|-------------|----------|
| 4   | AWG 26 ... 10 | AWG 26...10 |          |
|     | 800           |             |          |
|     | 8             |             |          |
|     | 3             |             |          |
|     | A3 / V-0      |             |          |



| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6           |                       |
| 0.5...4 / 0.5...4 |                       |
|                   |                       |
|                   |                       |
| 10 / 0.6 x 3.5    |                       |

## ZPE 4-2/4 AN

4 mm<sup>2</sup>

### Four connections



|                 |  |
|-----------------|--|
| 6.1 x 75.5 x 46 |  |
| / 6             |  |
| 0.13 ... 6      |  |

IEC 60947-7-2

| IEC | UL            | CSA         | EN 50019 |
|-----|---------------|-------------|----------|
| 4   | AWG 26 ... 10 | AWG 26...10 |          |
|     | 800           |             |          |
|     | 8             |             |          |
|     | 3             |             |          |
|     | A3 / V-0      |             |          |



| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6           |                       |
| 0.5...4 / 0.5...4 |                       |
|                   |                       |
|                   |                       |
| 10 / 0.6 x 3.5    |                       |

# PE terminals

## ZDK 4-2 PE

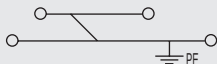
4 mm<sup>2</sup>

Four connections



n

6.1 x 77.6 x 61  
/ 6  
0.08 ... 6



IEC 60947-7-2

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 4   | AWG 26 ...10 | AWG 26...10 |          |
|     | 800          |             |          |
|     | 8            |             |          |
|     | 3            |             |          |
|     | A3 / V-0     |             |          |

| Rated connection  | Additional connection |
|-------------------|-----------------------|
| 0.5...6 / 1.5...4 |                       |
| 0.5...4 / 0.5...4 |                       |

10 / 3.5 x 0.6

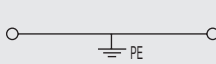
## ZPE 6-2/2AN

6 mm<sup>2</sup>

Two connections



8.1 x 68 x 50  
/ 10  
0.33 ... 10



IEC 60947-7-2

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 6   | AWG 22 ...8 | AWG 20...8 |          |
|     | 800         |            |          |
|     | 8           |            |          |
|     | 3           |            |          |
|     | A5 / V-0    |            |          |



| Rated connection   | Additional connection |
|--------------------|-----------------------|
| 0.5...10           |                       |
| 0.5...10 / 0.5...6 |                       |

12 / 0.6 x 3.5

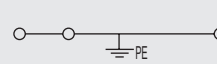
## ZPE 6-2/3AN

6 mm<sup>2</sup>

Three connections



8.1 x 68 x 50  
/ 10  
0.33 ... 10



IEC 60947-7-2

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 6   | AWG 22 ...8 | AWG 20...8 |          |
|     | 800         |            |          |
|     | 8           |            |          |
|     | 3           |            |          |
|     | A5 / V-0    |            |          |



| Rated connection   | Additional connection |
|--------------------|-----------------------|
| 0.5...10           |                       |
| 0.5...10 / 0.5...6 |                       |

12 / 0.6 x 3.5

| Type       | Qty. | Order No.  |
|------------|------|------------|
| ZDK 4-2 PE | 50   | 8671050000 |

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZPE 6-2/2AN | 50   | 1771370000 |

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZPE 6-2/3AN | 50   | 1771360000 |

| Type           | Width [mm] | Qty. | Order No.  |
|----------------|------------|------|------------|
| ZAP/TW ZDK 4-2 | 2          | 50   | 8670760000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

| Type     | Width [mm] | Qty. | Order No.  |
|----------|------------|------|------------|
| ZTA 6/ZA | 25         |      | 1780660000 |

| Type           | Width [mm] | Qty. | Order No.  |
|----------------|------------|------|------------|
| SD 0,6X3,5X100 | 10         |      | 9008330000 |

DEK 6

| Type       | Width [mm] | Qty. | Order No.  |
|------------|------------|------|------------|
| ZAP ZDU6-2 | 2.5        | 50   | 1771440000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

| Type     | Width [mm] | Qty. | Order No.  |
|----------|------------|------|------------|
| ZTA 7/ZA | 25         |      | 1780670000 |

| Type           | Width [mm] | Qty. | Order No.  |
|----------------|------------|------|------------|
| SD 0,6X3,5X100 | 10         |      | 9008330000 |

DEK 8

| Type       | Width [mm] | Qty. | Order No.  |
|------------|------------|------|------------|
| ZAP ZDU6-2 | 2.5        | 50   | 1771440000 |

| Type | Width [mm] | Qty. | Order No.  |
|------|------------|------|------------|
| ZEW  | 6          | 20   | 9540000000 |

| Type     | Width [mm] | Qty. | Order No.  |
|----------|------------|------|------------|
| ZTA 7/ZA | 25         |      | 1780670000 |

| Type           | Width [mm] | Qty. | Order No.  |
|----------------|------------|------|------------|
| SD 0,8X4,0X100 | 10         |      | 9008340000 |

DEK 8

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# PE terminals

## Roof-Style

The compact terminal family for conductor cross-sections of 0.13 to 16 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated voltage for adjacent terminal                    | V               |
| Rated impulse voltage for adjacent terminal            | kV              |
| Short-time current resistant                           | A               |
| Pollution severity                                     |                 |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

| Clampable conductors (H05V/H07V)         |                 |
|------------------------------------------|-----------------|
| Solid / stranded                         | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule  | mm <sup>2</sup> |
| Tightening torque range (clamping screw) | Nm              |
| Tightening torque range (fixing screw)   | Nm              |
| Stripping length / blade size            | mm / -          |

| 2 clampable conductors of equal cross-section |                 |
|-----------------------------------------------|-----------------|
| Solid / stranded                              | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule       | mm <sup>2</sup> |

## Information

## Ordering data

| Version            |
|--------------------|
| green/yellow Wemid |

## Information

## Accessories

| End plate        |
|------------------|
| dark beige Wemid |

| End bracket        |
|--------------------|
| dark beige / beige |

| Test adapter                         |
|--------------------------------------|
| For testing of wired terminal strips |
| Standard version                     |
| With spigot                          |

| Screwdriver                    |
|--------------------------------|
| w. cutting device "swifty set" |
| Standard version               |



| Reducing sleeves                                |
|-------------------------------------------------|
| for conductors < 0.5 mm <sup>2</sup> / < AWG 20 |
| for conductors < 1.0 mm <sup>2</sup> / < AWG 18 |

| PEN-bridge                                                    |
|---------------------------------------------------------------|
| Insertable in distributor TN-S net between N- and PE-terminal |

| Marking systems (see large assortment in chapter M) |
|-----------------------------------------------------|
| Tags                                                |

For detailed information on additional accessories and usage instructions see chapter accessories.

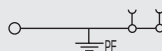
## ZPE 16-2/1AN

16 mm<sup>2</sup>

## PE - distribution terminal



12 x 65 x 51.5  
/ 25  
1.5 ... 25



IEC 60947-7-2

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 16  | AWG 14 ...4 | AWG 14...4 |          |
|     |             | 800        |          |
|     |             | 8          |          |
|     |             | 3          |          |
|     |             | A7 / V-0   |          |

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 1.5...10 / 16...25  |                       |
| 1.5...16 / 1.5...16 |                       |
|                     |                       |
| 18 / 1.0 x 5.5      |                       |

Rated voltage is reduced to 400V resp. the rated voltage of the distribution terminals.

| Type         | Qty. | Order No.  |
|--------------|------|------------|
| ZPE 16-2/1AN | 20   | 1772960000 |

| Type             | Width [mm] | Qty. | Order No.  |
|------------------|------------|------|------------|
| ZAP/ZDU 16-2/1AN | 2.5        | 20   | 1772970000 |

| Width [mm] | Qty. | Order No. |
|------------|------|-----------|
| ZEW        | 6    | 20        |

|  |  |  |
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|  |  |  |
|--|--|--|

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|                |    |            |
|----------------|----|------------|
| SD 1,0X5,5X150 | 10 | 9008350000 |
|----------------|----|------------|

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|       |  |  |
|-------|--|--|
| DEK 8 |  |  |
|-------|--|--|

The pluggable cross-connections ZQV 2.5/..., ZQV 4/..., and ZQV 6/... can be used.



# Disconnect terminals

## Standard model

Z- standard families offer solutions for conductor cross-sections of 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                                       |                 |
|------------------------------------------------------------------|-----------------|
| Rated voltage feed through terminal                              | V               |
| Rated current                                                    | A               |
| Rated cross-section                                              | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity                       | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 Approvals |                 |

### Clampable conductors (H05V/H07V)

|                                         |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |
| Tightening torque range clamping screw  | Nm              |
| Stripping length/ blade size            | mm / -          |

### 2 clampable conductors of equal cross-section

|                                         |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |

## Information

## Ordering data

| Version |                                        |
|---------|----------------------------------------|
|         | dark beige Wemid                       |
|         | blue Wemid                             |
|         | Without disconnecter, dark beige Wemid |

## Information

## Accessories

| Cross-connection, pluggable                                                         |         |
|-------------------------------------------------------------------------------------|---------|
|  | 2-pole  |
|                                                                                     | 3-pole  |
|                                                                                     | 4-pole  |
|                                                                                     | 10-pole |

(ZQV 2.5N/4)

| End plate / partition |                  |
|-----------------------|------------------|
| End plate             | dark beige Wemid |
|                       | blue Wemid       |
| Partition             | dark beige Wemid |

| End bracket |                    |
|-------------|--------------------|
|             | dark beige / beige |

| Screwdriver                                                                         |                                |
|-------------------------------------------------------------------------------------|--------------------------------|
|  | w. cutting device "swifty set" |
|                                                                                     | Standard version               |

### Holder for fuse cartridges 5 x 20mm

|                           |
|---------------------------|
| 400V ac/dc. without LED   |
| 10 - 36V ac/dc. red LED   |
| 140 - 250V ac/dc. red LED |

| Diode plug (up to 250V)              |     |
|--------------------------------------|-----|
| Polarity when insert on terminal     | + - |
| (WSD 2.5) Without special components | - + |

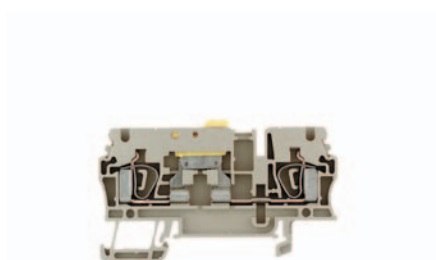
| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZTR 2.5

2.5 mm<sup>2</sup>

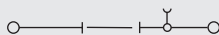
### Two connections



5.1 x 68.5 x 41.5

/ 4

0.13 ... 4



IEC 60947-7-1 / VDE 0100-537

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 18  | 10           | 15          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A3 / V-0     |             |          |



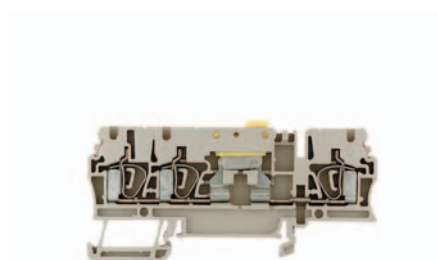
### Rated connection

|                     |
|---------------------|
| 0.5...4             |
| 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5      |

## ZTR 2.5/3AN

2.5 mm<sup>2</sup>

### Three connections



5.1 x 83.5 x 41.5

/ 4

0.13 ... 4



IEC 60947-7-1 / VDE 0100-537

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 16  | 10           | 15          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A3 / V-0     |             |          |



### Rated connection

|                     |
|---------------------|
| 0.5...4             |
| 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5      |

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| ZTR 2.5        | 100  | 1608680000 |
| ZTR 2.5 BL     | 100  | 1608690000 |
| ZTR 2.5/O.TNHE | 100  | 1608700000 |

| Type               | Qty. | Order No.  |
|--------------------|------|------------|
| ZTR 2.5/3AN        | 50   | 1668300000 |
| ZTR 2.5/3AN BL     | 50   | 1670300000 |
| ZTR 2.5/3AN/O.TNHE | 50   | 1670310000 |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |

| Width [mm]  |   |    |
|-------------|---|----|
| ZAP/TW 2 DB | 2 | 50 |
| ZAP/TW 2 BL | 2 | 50 |

| Width [mm] |   |    |
|------------|---|----|
| ZEW        | 6 | 20 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                     |    |            |
|---------------------|----|------------|
| SIHA 1/G20          | 25 | 9537550000 |
| SIHA 1/G20 10-36V   | 25 | 9537560000 |
| SIHA 1/G20 140-250V | 25 | 9537590000 |

|                     |    |            |
|---------------------|----|------------|
| WSD 2.5/D+/- WTR2.5 | 25 | 1058460000 |
| WSD 2.5/D-/+ WTR2.5 | 25 | 1058560000 |

DEK 5 / WS 10/5

If the isolating lever is replaced by the SIHA 1, it becomes a fuse terminal.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |

| Width [mm]  |   |    |
|-------------|---|----|
| ZAP/TW 3    | 2 | 50 |
| ZAP/TW 3 BL | 2 | 50 |

| Width [mm] |   |    |
|------------|---|----|
| ZEW        | 6 | 20 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                     |    |            |
|---------------------|----|------------|
| SIHA 1/G20          | 25 | 9537550000 |
| SIHA 1/G20 10-36V   | 25 | 9537560000 |
| SIHA 1/G20 140-250V | 25 | 9537590000 |

|                     |    |            |
|---------------------|----|------------|
| WSD 2.5/D+/- WTR2.5 | 25 | 1058460000 |
| WSD 2.5/D-/+ WTR2.5 | 25 | 1058560000 |

DEK 5 / WS 10/5

If the isolating lever is replaced by the SIHA 1, it becomes a fuse terminal.

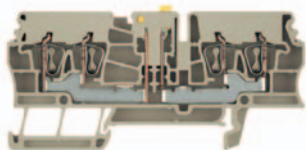


# Disconnect terminals

## ZTR 2.5 /4AN

2.5 mm<sup>2</sup>

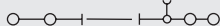
Four connections



5.1 x 82.5 x 39.1

/ 2.5

0.13 ... 2.5



IEC 60947-7-1 / VDE 0100-537

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 400      | 300          | 300         |          |
| 16       | 10           | 10          |          |
| 2.5      | AWG 26 ...12 | AWG 26...12 |          |
| 6 / 3    |              |             |          |
| A2 / V-0 |              |             |          |



### Rated connection

0.5...2.5

0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5

2,5 mm<sup>2</sup> flexible conductor will be crimped with the Weidmüller-crimping tool PZ 6/5.

| Type               | Qty. | Order No.  |
|--------------------|------|------------|
| ZTR 2.5/4AN        | 100  | 7920900000 |
| ZTR 2.5/4AN BL     | 100  | 7920930000 |
| ZTR 2.5/4AN/O TNHE | 100  | 7920950000 |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |

### Width [mm]

|             |   |    |            |
|-------------|---|----|------------|
| ZAP/TW 3    | 2 | 50 | 1608800000 |
| ZAP/TW 3 BL | 2 | 50 | 1608810000 |

### Width [mm]

|     |   |    |            |
|-----|---|----|------------|
| ZEW | 6 | 20 | 9540000000 |
|-----|---|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                        |    |            |
|------------------------|----|------------|
| SIHA 3/G20             | 25 | 7921560000 |
| SIHA 3/G20/LD 10-36V   | 25 | 7921560000 |
| SIHA 3/G20/LD 140-250V | 25 | 7921560000 |

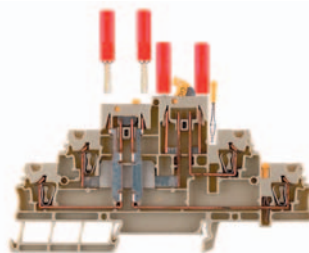
DEK 5 / WS 10/5

If the isolating lever is replaced by the SIHA 3, it becomes a fuse terminal.

## ZDTR 2.5

2.5 mm<sup>2</sup>

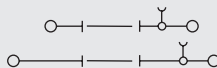
Four connections



5.1 x 117 x 63

/ 4

0.13 ... 4



IEC 60947-7-1 / VDE 0100-537

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 400      | 300          | 300         |          |
| 16       | 10           | 10          |          |
| 2.5      | AWG 26 ...12 | AWG 26...12 |          |
| 6 / 3    |              |             |          |
| A2 / V-0 |              |             |          |

### Rated connection

0.5...4

0.5...4 / 0.5...2.5

10 / 0.6 x 3.5

2,5 mm<sup>2</sup> flexible conductor will be crimped with the Weidmüller-crimping tool PZ 6/5.

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZDTR 2.5    | 20   | 1745400000 |
| ZDTR 2.5 BL | 20   | 1798330000 |

| Type           | Current [A] | Qty. | Order No.  |
|----------------|-------------|------|------------|
| ZQV 2.5N/2 GE  | 24          | 60   | 1693800000 |
| ZQV 2.5N/3 GE  | 24          | 60   | 1693810000 |
| ZQV 2.5N/4 GE  | 24          | 60   | 1693820000 |
| ZQV 2.5N/10 GE | 24          | 20   | 1693880000 |

### Width [mm]

|               |     |    |            |
|---------------|-----|----|------------|
| AP ZDTR2.5    | 1.5 | 20 | 1745420000 |
| AP ZDTR2.5 BL | 1.5 | 20 | 1798340000 |

### Width [mm]

|     |   |    |            |
|-----|---|----|------------|
| ZEW | 6 | 20 | 9540000000 |
|-----|---|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                     |    |            |
|---------------------|----|------------|
| SIHA 2/G20          | 25 | 9537600000 |
| SIHA 2/G20 10-36V   | 25 | 9537610000 |
| SIHA 2/G20 140-250V | 25 | 9537640000 |

DEK 5

If the isolating lever is replaced by the SIHA 2, it becomes a fuse terminal.

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# Disconnect terminals

## Roof-Style

The compact terminal family for conductor cross-sections of 0.13 to 16 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage feed through terminal                    | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

| Clampable conductors (H05V/H07V)        |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |
| Tightening torque range clamping screw  | Nm              |
| Stripping length/ blade size            | mm / -          |

| 2 clampable conductors of equal cross-section |                 |
|-----------------------------------------------|-----------------|
| Solid / stranded                              | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule       | mm <sup>2</sup> |

| Information |  |
|-------------|--|
|-------------|--|

## Ordering data

| Version |                                         |
|---------|-----------------------------------------|
|         | dark beige Wernid                       |
|         | blue Wernid                             |
|         | Without disconnecter, dark beige Wernid |

| Information |  |
|-------------|--|
|-------------|--|

## Accessories

| Cross-connection, pluggable                                                         |         |
|-------------------------------------------------------------------------------------|---------|
|  | 2-pole  |
|                                                                                     | 3-pole  |
|                                                                                     | 4-pole  |
| (ZQV 2.5N/4)                                                                        | 10-pole |

| End plate / partition |                   |
|-----------------------|-------------------|
| End plate             | dark beige Wernid |
|                       | blue Wernid       |
| Partition             | dark beige Wernid |

| End bracket |                    |
|-------------|--------------------|
|             | dark beige / beige |

| Screwdriver                                                                         |                                |
|-------------------------------------------------------------------------------------|--------------------------------|
|  | w. cutting device "swifty set" |
|                                                                                     | Standard version               |

| Holder for fuse cartridges 5 x 20mm |                           |
|-------------------------------------|---------------------------|
|                                     | 400V ac/dc. without LED   |
|                                     | 10 - 36V ac/dc. red LED   |
|                                     | 140 - 250V ac/dc. red LED |

| Diode plug (up to 250V)                                                             |                                      |
|-------------------------------------------------------------------------------------|--------------------------------------|
|  | Polarity when                        |
|                                                                                     | insert on terminal                   |
|                                                                                     | (WSD 2.5) Without special components |

| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZTR 2.5-2

2.5 mm<sup>2</sup>

## Two connections



5.1 x 50.5 x 44  
/ 2.5  
0.13 ... 2.5



IEC 60947-7-1 / VDE 0100-537

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 10  | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     |              | 6 / 3       |          |
|     |              | A2 / V-0    |          |



| Rated connection |                       |
|------------------|-----------------------|
|                  | 0.5...2.5             |
|                  | 0.5...2.5 / 0.5...1.5 |
|                  |                       |
|                  | 10 / 0.6 x 3.5        |

2,5 mm<sup>2</sup> flexible conductor will be crimped with the Weidmüller-crimping tool PZ 6/5.

| Type             | Qty. | Order No.  |
|------------------|------|------------|
| ZTR 2.5-2        | 100  | 1779010000 |
| ZTR 2.5-2 BL     | 100  | 1779120000 |
| ZTR 2.5-2/O.TNHE | 100  | 1779020000 |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |

| Width [mm] |     |
|------------|-----|
| ZAP/TW7    | 2.5 |
| ZAP/TW7 BL | 2.5 |

| Width [mm] |   |
|------------|---|
| ZEW        | 6 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                     |    |            |
|---------------------|----|------------|
| SIHA 2/G20          | 25 | 9537600000 |
| SIHA 2/G20 10-36V   | 25 | 9537610000 |
| SIHA 2/G20 140-250V | 25 | 9537640000 |

DEK 5 / WS 14/5

If the isolating lever is replaced by the SIHA 2, it becomes a fuse terminal.



# Fuse terminals

## Standard model

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage for adjacent terminal                    | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

### Clampable conductors (H05V/H07V)

|                                         |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |
| Tightening torque range clamping screw  | Nm              |
| Stripping length / blade size           | mm / -          |

### 2 clampable conductors of equal cross-section

|                                         |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |

### Information

## Ordering data

| Version          |                          |
|------------------|--------------------------|
| dark beige Wemid | 400V ac/dc, without LED  |
|                  | 10-36V ac/dc, with LED   |
|                  | 30-70V ac/dc, with LED   |
|                  | 60-150V ac/dc, with LED  |
|                  | 140-250V ac/dc, with LED |

### Information

## Accessories

### Cross-connection (pluggable)



(ZQV 2.5N/4)

|         |
|---------|
| 2-pole  |
| 3-pole  |
| 4-pole  |
| 10-pole |

### End plate / partition (behind last terminal)

|                             |
|-----------------------------|
| End plate, dark beige Wemid |
| Partition, dark beige Wemid |

### Screwdriver



|                                |
|--------------------------------|
| w. cutting device "swifty set" |
| Standard version               |

### G-fuse cartridge 5 x 20mm (IEC 60127-2)

|                                 |             |
|---------------------------------|-------------|
| Rated voltage 250V              | 0.25A quick |
| Rated switch-off capacity 1500A | 0.5A quick  |
| (at 250V / 50Hz / cos φ = 0.7)  | 1A quick    |
|                                 | 2A quick    |

### G25 with indicator / Inch fuse

|                         |                  |
|-------------------------|------------------|
| G25 (DIN 41 576 / 250V) | 0.5A medium-slow |
| Rated voltage 250V      | 1A medium-slow   |
| Inch fuse 1/4 x 1 1/4   | 2A quick         |
| Rated voltage 440V      | 4A quick         |

### Marking systems (see large assortment in chapter M)

Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZSI 2.5

2.5 mm<sup>2</sup>

### For metric fuses 5 x 20



7.9 x 79.5 x 74

/ 4

0.13 ... 4



IEC 60947-7-3 / VDE 0611-6

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 500 | 600          | 600         |          |
| 6.3 | 10           | 15          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A3 / V-0     |             |          |



### Rated connection

|                     |
|---------------------|
| 0.5...4             |
| 0.5...4 / 0.5...2.5 |

10 / 0.6 x 3.5

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

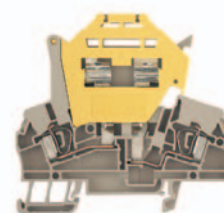
| Type             | Qty. | Order No.  |
|------------------|------|------------|
| ZSI 2.5          | 50   | 1616400000 |
| ZSI 2.5/LD 28AC  | 50   | 1616440000 |
| ZSI 2.5/LD 60AC  | 50   | 1616430000 |
| ZSI 2.5/LD 120AC | 50   | 1616420000 |
| ZSI 2.5/LD 250AC | 50   | 1616410000 |

For fuse cartridge holder the rated voltage is 250V, and the rated impulse voltage 4kV.

## ZSI 2.5/5x25

2.5 mm<sup>2</sup>

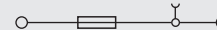
### For metric fuses 5 x 25



7.9 x 79.5 x 74

/ 4

0.13 ... 4



IEC 60947-7-3 / VDE 0611-6

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 500 |          |     |          |
| 6.3 |          |     |          |
| 2.5 |          |     |          |
|     | 6 / 3    |     |          |
|     | A3 / V-0 |     |          |

### Rated connection

|                     |
|---------------------|
| 0.5...4             |
| 0.5...4 / 0.5...2.5 |

10 / 0.6 x 3.5

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type            | Qty. | Order No.  |
|-----------------|------|------------|
| ZSI 2.5/5x25    | 50   | 1730900000 |
| ZSI 2.5/5x25/QV | 50   | 1790540000 |

For fuse cartridge holder the rated voltage is 250V, and the rated impulse voltage 4kV.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 6/2 GE | 41 A        | 60   | 1627850000 |
| ZQV 6/3 GE | 41 A        | 60   | 1627860000 |
| ZQV 6/4 GE | 41 A        | 60   | 1627870000 |

### Width [mm]

|          |   |    |            |
|----------|---|----|------------|
| ZAP/TW 3 | 2 | 50 | 1608800000 |
|----------|---|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|              |    |            |
|--------------|----|------------|
| G 20/0.25A/F | 10 | 0430500000 |
| G 20/0.5A/F  | 10 | 0430600000 |
| G 20/1A/F    | 10 | 0430700000 |
| G 20/2A/F    | 10 | 0430900000 |

DEK 5 / WS 10/5

Status indication via bidirectional LED.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 6/2 GE | 41 A        | 60   | 1627850000 |
| ZQV 6/3 GE | 41 A        | 60   | 1627860000 |
| ZQV 6/4 GE | 41 A        | 60   | 1627870000 |

### Width [mm]

|          |   |    |            |
|----------|---|----|------------|
| ZAP/TW 3 | 2 | 50 | 1608800000 |
|----------|---|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                |    |            |
|----------------|----|------------|
| G 25/0.5A/M WS | 10 | 0510300000 |
| G 25/1A/M RT   | 10 | 0265800000 |
| G 25/2A/F BL   | 10 | 0192700000 |
| G 25/4A/F BR   | 10 | 0192800000 |

DEK 5 / WS 10/5

# Fuse terminals

## ZSI 2.5/2

2.5 mm<sup>2</sup>

For imperial fuses



7.9 x 79.5 x 74

/ 4

0.13 ... 4



IEC 60947-7-3 / VDE 0611-6

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 500 | 600          | 600         |          |
| 12  | 16           | 15          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A3 / V-0     |             |          |



### Rated connection

0.5...4

0.5...4 / 0.5...2.5

10 / 0.6 x 3.5

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

## ZTR 2.5/SI

2.5 mm<sup>2</sup>

For metric fuses 5 x 20



5.1 x 68.5 x 73

/ 4

0.13 ... 4



IEC 60947-7-3 / VDE 0611-6

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 6.3 | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A3 / V-0     |             |          |



### Rated connection

0.5...4

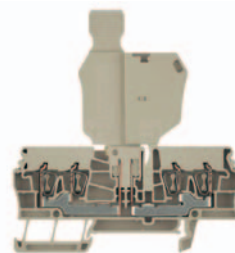
0.5...4 / 0.5...2.5

10 / 0.6 x 3.5

## ZTR 2.5/4 AN SI

2.5 mm<sup>2</sup>

For metric fuses 5 x 20



5.1 x 82.5 x 89

/ 2.5

0.13 ... 2.5



IEC 60947-7-3 / VDE 0611-6

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 400 |          |     |          |
| 6.3 |          |     |          |
| 2.5 |          |     |          |
|     | 6 / 3    |     |          |
|     | A2 / V-0 |     |          |



### Rated connection

0.5...2.5

0.5...4 / 0.5...2.5

10 / 0.6 x 3.5

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type               | Qty. | Order No.  |
|--------------------|------|------------|
| ZSI 2.5/2 500AC    | 10   | 1616460000 |
| ZSI 2.5/2/LD 28AC  | 10   | 1616470000 |
| ZSI 2.5/2/LD 60AC  | 10   | 1616480000 |
| ZSI 2.5/2/LD 120AC | 10   | 1616490000 |
| ZSI 2.5/2/LD 250AC | 10   | 1616500000 |

For fuse cartridge holder the rated voltage is 250V, and the rated impulse voltage 4kV.

| Type               | Qty. | Order No.  |
|--------------------|------|------------|
| ZTR 2.5/SI         | 25   | 1763990000 |
| ZTR 2.5/SI LD 36V  | 25   | 1764000000 |
| ZTR 2.5/SI LD 70V  | 25   | 1764010000 |
| ZTR 2.5/SI LD 150V | 25   | 1764020000 |
| ZTR 2.5/SI LD 250V | 25   | 1764030000 |

For fuse cartridge holder the rated voltage is 250V, and the rated impulse voltage 4kV.

| Type                   | Qty. | Order No.  |
|------------------------|------|------------|
| ZTR 2.5/4AN SI         | 25   | 1820960000 |
| ZTR 2.5/4AN SI LD 36V  | 25   | 1820970000 |
| ZTR 2.5/4AN SI LD 70V  | 25   | 1820980000 |
| ZTR 2.5/4AN SI LD 150V | 25   | 1820990000 |
| ZTR 2.5/4AN SI LD 250V | 25   | 1821010000 |

For fuse cartridge holder the rated voltage is 250V, and the rated impulse voltage 4kV.

| Type      | Current [A] | Qty. | Order No.  |
|-----------|-------------|------|------------|
| ZQS 2.5/2 |             | 20   | 1633200000 |
| ZQS 2.5/3 |             | 20   | 1633210000 |
| ZQS 2.5/4 |             | 20   | 1633220000 |

Width [mm]

SD 0,6X3,5X100

10

9008330000

DEK 5 / WS 10/5

Status indication via bidirectional LED. Usage of metric fuse cartridges.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24 A        | 60   | 1608860000 |
| ZQV 2.5/3  | 24 A        | 60   | 1608870000 |
| ZQV 2.5/4  | 24 A        | 60   | 1608880000 |
| ZQV 2.5/10 | 24 A        | 20   | 1608940000 |

Width [mm]

ZAP/TW 2 DB

2

50

1608770000

SD 0,6X3,5X100

10

9008330000

G 20/0.25A/F

10

0430500000

G 20/0.5A/F

10

0430600000

G 20/1A/F

10

0430700000

G 20/2A/F

10

0430900000

DEK 5

Status indication via bidirectional LED.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24 A        | 60   | 1608860000 |
| ZQV 2.5/3  | 24 A        | 60   | 1608870000 |
| ZQV 2.5/4  | 24 A        | 60   | 1608880000 |
| ZQV 2.5/10 | 24 A        | 20   | 1608940000 |

Width [mm]

ZAP/TW 3

2

50

1608800000

SD 0,6X3,5X100

10

9008330000

G 20/0.25A/F

10

0430500000

G 20/0.5A/F

10

0430600000

G 20/1A/F

10

0430700000

G 20/2A/F

10

0430900000

DEK 5 / WS 10/5

Status indication via bidirectional LED.

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# Fuse terminals

## Standard model

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage for adjacent terminal                    | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

### Clampable conductors (H05V/H07V)

|                                         |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |
| Tightening torque range clamping screw  | Nm              |
| Stripping length / blade size           | mm / -          |

### 2 clampable conductors of equal cross-section

|                                         |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |

### Information

## Ordering data

| Version          |                          |
|------------------|--------------------------|
| dark beige Wemid | 400V ac/dc, without LED  |
|                  | 10-36V ac/dc, with LED   |
|                  | 30-70V ac/dc, with LED   |
|                  | 60-150V ac/dc, with LED  |
|                  | 140-250V ac/dc, with LED |

### Information

## Accessories

### Cross-connection (pluggable)

|                                                                                     |         |
|-------------------------------------------------------------------------------------|---------|
|  | 2-pole  |
|                                                                                     | 3-pole  |
|                                                                                     | 4-pole  |
|                                                                                     | 10-pole |

(ZQV 2.5N/4)

### End plate / partition (behind last terminal)

|                             |
|-----------------------------|
| End plate, dark beige Wemid |
| Partition, dark beige Wemid |

### Screwdriver

|                                                                                     |                                |
|-------------------------------------------------------------------------------------|--------------------------------|
|  | w. cutting device "swifty set" |
|                                                                                     | Standard version               |

### G-fuse cartridge 5 x 20mm (IEC 60127-2)

|                                 |             |
|---------------------------------|-------------|
| Rated voltage 250V              | 0.25A quick |
| Rated switch-off capacity 1500A | 0.5A quick  |
| (at 250V / 50Hz / cos j = 0.7)  | 1A quick    |
|                                 | 2A quick    |

### G25 with indicator / Inch fuse

|                         |                  |
|-------------------------|------------------|
| G25 (DIN 41 576 / 250V) | 0.5A medium-slow |
| Rated voltage 250V      | 1A medium-slow   |
| Inch fuse 1/4 x 1 1/4   | 2A quick         |
| Rated voltage 440V      | 4A quick         |

### Marking systems (see large assortment in chapter M)

Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZDL 2.5/SI/DU/PE

2.5 mm<sup>2</sup>

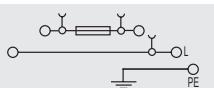
### For metric fuses 5 x 20



5.1 x 95 x 98

/ 4

0.13 ... 4



IEC 60947-7-3 / VDE 0611-6

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 400 |          |     |          |
| 6.3 |          |     |          |
| 2.5 |          |     |          |
|     | 6 / 3    |     |          |
|     | A3 / V-0 |     |          |

### Rated connection

|                     |
|---------------------|
| 0.5...4             |
| 0.5...4 / 0.5...2.5 |

### Additional connection

10 / 0.6 x 3.5

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped with the Weidmüller-crimping tool PZ 6/5.

| Type                     | Qty. | Order No.  |
|--------------------------|------|------------|
| ZDL 2.5/SI/DU/PE         | 25   | 1763170000 |
| ZDL 2.5/SI/DU/PE LD 36V  | 25   | 1763190000 |
| ZDL 2.5/SI/DU/PE LD 70V  | 25   | 1763200000 |
| ZDL 2.5/SI/DU/PE LD 150V | 25   | 1763210000 |
| ZDL 2.5/SI/DU/PE LD 250V | 25   | 1763220000 |

For fuse cartridge holder the rated voltage is 250V, and the rated impulse voltage 4kV.

| Type           | Current [A] | Qty. | Order No.  |
|----------------|-------------|------|------------|
| ZQV 2.5N/2 GE  | 24 A        | 60   | 1693800000 |
| ZQV 2.5N/3 GE  | 24 A        | 60   | 1693810000 |
| ZQV 2.5N/4 GE  | 24 A        | 60   | 1693820000 |
| ZQV 2.5N/10 GE | 24 A        | 20   | 1693880000 |

### Width [mm]

|            |     |    |            |
|------------|-----|----|------------|
| ZAP ZDL2.5 | 1.5 | 20 | 1720910000 |
|------------|-----|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|              |    |            |
|--------------|----|------------|
| G 20/0.25A/F | 10 | 0430500000 |
| G 20/0.5A/F  | 10 | 0430600000 |
| G 20/1A/F    | 10 | 0430700000 |
| G 20/2A/F    | 10 | 0430900000 |

DEK 5

Status indication via bidirectional LED.  
The usage of cross-connections is not possible in the upper level.

## ZDL 2.5/SI/DU

2.5 mm<sup>2</sup>

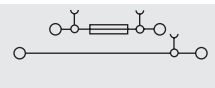
### For metric fuses 5 x 20



5.1 x 95 x 98

/ 4

0.13 ... 4



IEC 60947-7-3 / VDE 0611-6

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 6.3 | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A3 / V-0     |             |          |

### Rated connection

|                     |
|---------------------|
| 0.5...4             |
| 0.5...4 / 0.5...2.5 |

10 / 0.6 x 3.5

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped with the Weidmüller-crimping tool PZ 6/5.

| Type                  | Qty. | Order No.  |
|-----------------------|------|------------|
| ZDL 2.5/SI/DU         | 25   | 1763180000 |
| ZDL 2.5/SI/DU LD 36V  | 25   | 1763230000 |
| ZDL 2.5/SI/DU LD 70V  | 25   | 1763240000 |
| ZDL 2.5/SI/DU LD 150V | 25   | 1763250000 |
| ZDL 2.5/SI/DU LD 250V | 25   | 1763260000 |

For fuse cartridge holder the rated voltage is 250V, and the rated impulse voltage 4kV.

| Type           | Current [A] | Qty. | Order No.  |
|----------------|-------------|------|------------|
| ZQV 2.5N/2 GE  | 24 A        | 60   | 1693800000 |
| ZQV 2.5N/3 GE  | 24 A        | 60   | 1693810000 |
| ZQV 2.5N/4 GE  | 24 A        | 60   | 1693820000 |
| ZQV 2.5N/10 GE | 24 A        | 20   | 1693880000 |

### Width [mm]

|            |     |    |            |
|------------|-----|----|------------|
| ZAP ZDL2.5 | 1.5 | 20 | 1720910000 |
|------------|-----|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|              |    |            |
|--------------|----|------------|
| G 20/0.25A/F | 10 | 0430500000 |
| G 20/0.5A/F  | 10 | 0430600000 |
| G 20/1A/F    | 10 | 0430700000 |
| G 20/2A/F    | 10 | 0430900000 |

DEK 5

Status indication via bidirectional LED.  
The usage of cross-connections is not possible in the upper level.





# Fuse terminals

## Roof-Style

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage for adjacent terminal                    | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

### Clampable conductors (H05V/H07V)

|                                         |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |
| Tightening torque range clamping screw  | Nm              |
| Stripping length / blade size           | mm / -          |

### 2 clampable conductors of equal cross-section

|                                         |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |

### Information

## Ordering data

| Version          |                          |
|------------------|--------------------------|
| dark beige Wemid | 400V ac/dc, without LED  |
|                  | 10-36V ac/dc, with LED   |
|                  | 30-70V ac/dc, with LED   |
|                  | 60-150V ac/dc, with LED  |
|                  | 140-250V ac/dc, with LED |

### Information

## Accessories

### Cross-connection (pluggable)



(ZQV 2.5N/4)

|         |
|---------|
| 2-pole  |
| 3-pole  |
| 4-pole  |
| 10-pole |

### End plate / partition (behind last terminal)

|                             |
|-----------------------------|
| End plate, dark beige Wemid |
| Partition, dark beige Wemid |

### Screwdriver



|                                |
|--------------------------------|
| w. cutting device "swifty set" |
| Standard version               |

### G-fuse cartridge 5 x 20mm (IEC 60127-2)

|                                 |             |
|---------------------------------|-------------|
| Rated voltage 250V              | 0.25A quick |
| Rated switch-off capacity 1500A | 0.5A quick  |
| (at 250V / 50Hz / cos φ = 0.7)  | 1A quick    |
|                                 | 2A quick    |

### G25 with indicator / Inch fuse

|                         |                  |
|-------------------------|------------------|
| G25 (DIN 41 576 / 250V) | 0.5A medium-slow |
| Rated voltage 250V      | 1A medium-slow   |
| Inch fuse 1/4 x 1 1/4   | 2A quick         |
| Rated voltage 440V      | 4A quick         |

### Marking systems (see large assortment in chapter M)

Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZTR 2.5-2/SI

2.5 mm<sup>2</sup>

For metric fuses 5 x 20



5.1 x 50.5 x 78

/ 2.5

0.08 ... 2.5



IEC 60947-7-3 / VDE 0611-6

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 250          | 250         |          |
| 6.3 | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A2 / V-0     |             |          |



### Rated connection

|                       |
|-----------------------|
| 0.5...2.5             |
| 0.5...2.5 / 0.5...1.5 |

### Additional connection

10 / 0.6 x 3.5

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
| ZTR 2.5-2/SI         | 25   | 1779030000 |
| ZTR 2.5-2/SI LD 36V  | 25   | 1779040000 |
| ZTR 2.5-2/SI LD 70V  | 25   | 1779050000 |
| ZTR 2.5-2/SI LD 150V | 25   | 1779060000 |
| ZTR 2.5-2/SI LD 250V | 25   | 1779070000 |

For fuse cartridge holder the rated voltage is 250V, and the rated impulse voltage 4kV.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24 A        | 60   | 1608860000 |
| ZQV 2.5/3  | 24 A        | 60   | 1608870000 |
| ZQV 2.5/4  | 24 A        | 60   | 1608880000 |
| ZQV 2.5/10 | 24 A        | 20   | 1608940000 |

### Width [mm]

|         |     |    |            |
|---------|-----|----|------------|
| ZAP/TW7 | 2.5 | 50 | 1706110000 |
|---------|-----|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|              |    |            |
|--------------|----|------------|
| G 20/0.25A/F | 10 | 0430500000 |
| G 20/0.5A/F  | 10 | 0430600000 |
| G 20/1A/F    | 10 | 0430700000 |
| G 20/2A/F    | 10 | 0430900000 |

DEK 5

Status indication via bidirectional LED.

## ZSI 2.5 2x2 AN

2.5 mm<sup>2</sup>

For metric fuses 5 x 20 / 5 x 25



12.2 x 65 x 55

/ 4

0.08 ... 4



IEC 60947-7-3 / VDE 0611-6

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 500 |          |     |          |
| 10  |          |     |          |
| 2.5 |          |     |          |
|     | 4 / 3    |     |          |
|     | A3 / V-0 |     |          |

### Rated connection

|                     |
|---------------------|
| 0.5...4             |
| 0.5...4 / 0.5...2.5 |

10 / 0.6 x 3.5

The rated voltage of the fuse may not be exceeded.

| Type                   | Qty. | Order No.  |
|------------------------|------|------------|
| ZSI 2.5-2/2X2AN/G20    | 20   | 1826050000 |
| ZSI 2.5-2/2X2AN/G20/GL | 20   | 1826030000 |
| ZSI 2.5-2/2X2AN/G25    | 20   | 1826200000 |
| ZSI 2.5-2/2X2AN/G25/GL | 20   | 1826090000 |

G 20 / G-fuse cartridge 5 x 20  
G 25 / G-fuse cartridge 5 x 25

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 4/2 GE | 32 A        | 60   | 1608950000 |
| ZQV 4/3 GE | 32 A        | 60   | 1608960000 |
| ZQV 4/4 GE | 32 A        | 60   | 1608970000 |

### Width [mm]

|               |     |    |            |
|---------------|-----|----|------------|
| ZAP ZDU6-2 SW | 2.5 | 50 | 1814710000 |
|---------------|-----|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|              |    |            |
|--------------|----|------------|
| G 20/0.25A/F | 10 | 0430500000 |
| G 20/0.5A/F  | 10 | 0430600000 |
| G 20/1A/F    | 10 | 0430700000 |
| G 20/2A/F    | 10 | 0430900000 |

|                |    |            |
|----------------|----|------------|
| G 25/0.5A/M WS | 10 | 0510300000 |
| G 25/1A/M RT   | 10 | 0265800000 |
| G 25/2A/F BL   | 10 | 0192700000 |
| G 25/4A/F BR   | 10 | 0192800000 |

DEK 5 / WS 10/5

Status indication via glow lamp.

# Fuse terminals

## ZSI 6-2

6 mm<sup>2</sup>

For metric fuses 5 x 20 / 5 x 25



n

12.2 x 65 x 55

/ 4

0.08 ... 4



IEC 60947-7-3 / VDE 0611-6

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 500 |          |     |          |
| 10  |          |     |          |
| 6   |          |     |          |
|     | 4 / 3    |     |          |
|     | A3 / V-0 |     |          |

### Rated connection

0.5...4

0.5...4 / 0.5...2.5

10 / 4.0 x 0.8

The rated voltage of the fuse may not be exceeded.

## ZSI 6-2/FC

6 mm<sup>2</sup>

For car-fuse

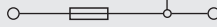


n

8.1 x 70 x 54.5

/ 10

0.21 ... 10



IEC 60947-7-3 / DIN 72581-3

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 250 |          |     |          |
| 30  |          |     |          |
| 6   |          |     |          |
|     | 6 / 3    |     |          |
|     | A5 / V-0 |     |          |



### Rated connection

0.5...10

0.5...10 / 0.5...6

10 / 4.0 x 0.8

Use large conductor cross-sections for a better lead off of the thermic power loss.

| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
| ZSI 6-2 2X2.5/G20    | 20   | 1820930000 |
| ZSI 6-2 2X2.5/G20/GL | 20   | 1820860000 |
| ZSI 6-2 2X2.5/G25    | 20   | 1820950000 |
| ZSI 6-2 2X2.5/G25/GL | 20   | 1820940000 |

G 20 / G-fuse cartridge 5 x 20  
G 25 / G-fuse cartridge 5 x 25

| Type          | Qty. | Order No.  |
|---------------|------|------------|
| ZSI 6-2/FC    | 25   | 1814690000 |
| ZSI 6-2/FC LD | 25   | 1814700000 |

Continuous current at fuse max. 80 % I<sub>N</sub> For fuse cartridge holder the rated voltage is 250V, and the rated impuls voltage 4kV.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 4/2 GE | 32 A        | 60   | 1608950000 |
| ZQV 4/3 GE | 32 A        | 60   | 1608960000 |
| ZQV 4/4 GE | 32 A        | 60   | 1608970000 |

### Width [mm]

|               |     |    |            |
|---------------|-----|----|------------|
| ZAP ZDU6-2 SW | 2.5 | 50 | 1814710000 |
|---------------|-----|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,8X4,0X100 | 10 | 9008340000 |
|----------------|----|------------|

|              |    |            |
|--------------|----|------------|
| G 20/0.25A/F | 10 | 0430500000 |
| G 20/0.5A/F  | 10 | 0430600000 |
| G 20/1A/F    | 10 | 0430700000 |
| G 20/2A/F    | 10 | 0430900000 |

|                |    |            |
|----------------|----|------------|
| G 25/0.5A/M WS | 10 | 0510300000 |
| G 25/1A/M RT   | 10 | 0265800000 |
| G 25/2A/F BL   | 10 | 0192700000 |
| G 25/4A/F BR   | 10 | 0192800000 |

DEK 5 / WS 10/5

Status indication via glow lamp.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 6/2 GE | 41 A        | 60   | 1627850000 |
| ZQV 6/3 GE | 41 A        | 60   | 1627860000 |
| ZQV 6/4 GE | 41 A        | 60   | 1627870000 |

### Width [mm]

|               |     |    |            |
|---------------|-----|----|------------|
| ZAP ZDU6-2 SW | 2.5 | 50 | 1814710000 |
|---------------|-----|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,8X4,0X100 | 10 | 9008340000 |
|----------------|----|------------|

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

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|--|--|--|--|
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|  |  |  |  |
|  |  |  |  |

DEK 6 / WS 12/6

Status indication via bidirectional LED. Usage of Pudenz-fuses

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# Installation terminals

## Feed-through terminal for 10x3 bus-bar

Neutral cross-connection with busbar-system 10 x 3 mm.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

#### Clampable conductors (H05V/H07V)

|                                          |                 |
|------------------------------------------|-----------------|
| Solid / stranded                         | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule  | mm <sup>2</sup> |
| Stripping length/ blade size             | mm / -          |
| Tightening torque range (clamping screw) | Nm              |

#### Information

### Ordering data

| Version |                  |
|---------|------------------|
|         | dark beige Wemid |
|         | blue Wemid       |

#### Information

### Accessories

| Cross-connection                          |                 |
|-------------------------------------------|-----------------|
| (ZQV 2.5N/4 - pluggable) (Q3 - screwable) | 2-pole          |
|                                           | 3-pole          |
|                                           | 4-pole          |
|                                           | 10-pole         |
|                                           | 30-/41-/50-pole |

#### End plate / partition

|                  |
|------------------|
| dark beige Wemid |
| blue Wemid       |

#### Holding plate for 10 x 3

|            |                                |
|------------|--------------------------------|
| blue Wemid | for vertical mounting position |
|------------|--------------------------------|



#### End bracket

|            |
|------------|
| dark beige |
|------------|

#### Screwdriver

|                                |
|--------------------------------|
| w. cutting device "swifty set" |
| Standard version               |

#### Busbar 10 x 3

Lower edge busbar to upper edge TS35 = 25.5mm

#### Tension clamp for feeding 10 x 3 busbars

|                                             |
|---------------------------------------------|
| Rigid / flexible 0.5 - 6 / 4mm <sup>2</sup> |
| Rigid / flexible 6 - 16mm <sup>2</sup>      |
| flexible 16 - 35mm <sup>2</sup>             |



(ZB16)

#### Marking systems (see large assortment in chapter M)

Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZDU 2.5 S

2.5 mm<sup>2</sup>

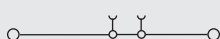
### Two connections



5.1 x 61 x 44

/ 4

0.08 ... 4



IEC 60947-7-1

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 400 |          |     |          |
| 24  |          |     |          |
| 2.5 |          |     |          |
|     | 6 / 3    |     |          |
|     | A2 / V-0 |     |          |

#### Rated connection

|                     |
|---------------------|
| 0.5...4             |
| 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5      |

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

## ZDU 4 S

4 mm<sup>2</sup>

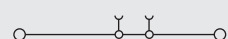
### Two connections



6.1 x 64.2 x 45.2

/ 6

0.5 ... 6



IEC 60947-7-1

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 400 |          |     |          |
| 32  |          |     |          |
| 4   |          |     |          |
|     | 6 / 3    |     |          |
|     | A2 / V-0 |     |          |

#### Rated connection

|                   |
|-------------------|
| 0.5...6           |
| 0.5...4 / 0.5...4 |
| 10 / 0.6 x 3.5    |

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type         | Qty. | Order No.  |
|--------------|------|------------|
| ZDU 2.5 S    | 100  | 1808010000 |
| ZDU 2.5 S BL | 100  | 1808020000 |

Maximum distance between ZHP to ZHP is 200mm.

| Type       | Qty. | Order No.  |
|------------|------|------------|
| ZDU 4 S    | 100  | 1808360000 |
| ZDU 4 S BL | 100  | 1808370000 |

Maximum distance between ZHP to ZHP is 200mm.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

#### Width [mm]

|                  |   |    |            |
|------------------|---|----|------------|
| ZAP ZDU 2.5 S    | 2 | 20 | 1808030000 |
| ZAP ZDU 2.5 S BL | 2 | 20 | 1808040000 |

#### Width [mm]

|          |   |    |            |
|----------|---|----|------------|
| ZHP S    | 3 | 20 | 1808290000 |
| ZHP S SO | 3 | 20 | 1808280000 |

#### Width [mm]

|     |   |    |            |
|-----|---|----|------------|
| ZEW | 6 | 20 | 9540000000 |
|-----|---|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 1,0X5,5X150 | 10 | 9008350000 |
|----------------|----|------------|

#### Width [mm]

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

|                 |
|-----------------|
| DEK 5 / WS 10/5 |
|-----------------|

| Type        | Current [A] | Qty. | Order No.  |
|-------------|-------------|------|------------|
| ZQV 4/2 GE  | 32          | 60   | 1608950000 |
| ZQV 4/3 GE  | 32          | 60   | 1608960000 |
| ZQV 4/4 GE  | 32          | 60   | 1608970000 |
| ZQV 4/10 GE | 32          | 20   | 1609030000 |

#### Width [mm]

|                |   |    |            |
|----------------|---|----|------------|
| ZAP ZDU 4 S    | 2 | 20 | 1808380000 |
| ZAP ZDU 4 S BL | 2 | 20 | 1808390000 |

#### Width [mm]

|          |   |    |            |
|----------|---|----|------------|
| ZHP S    | 3 | 20 | 1808290000 |
| ZHP S SO | 3 | 20 | 1808280000 |

#### Width [mm]

|     |   |    |            |
|-----|---|----|------------|
| ZEW | 6 | 20 | 9540000000 |
|-----|---|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

#### Width [mm]

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

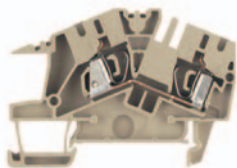
|                 |
|-----------------|
| DEK 5 / WS 10/6 |
|-----------------|

# Installation terminals

## ZDU 6S

6 mm<sup>2</sup>

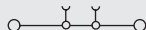
Two connections



8.1 x 64.2 x 49.2

/ 10

0.5 ... 10



IEC 60947-7-1

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 400 |          |     |          |
| 41  |          |     |          |
| 6   |          |     |          |
|     | 6 / 3    |     |          |
|     | A5 / V-0 |     |          |

### Rated connection

0.5...10

0.5...10 / 0.5...6

12 / 0.6 x 3.5

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

## ZDU 10/S

10 mm<sup>2</sup>

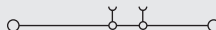
Two connections



10 x 86.5 x 48.5

76 / 16

1.5 ... 16



IEC 60947-7-1

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 400 | 300         | 300        |          |
| 57  | 60          | 55         |          |
| 10  | AWG 16 ...6 | AWG 16...6 |          |
|     | 6 / 3       |            |          |
|     | A6 / V-0    |            |          |



### Rated connection

1.5...10 / 1.5...16

1.5...10 / 1.5...10

18 / 5.5 x 1.0

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

## ZDU 16/S

16 mm<sup>2</sup>

Two connections



12 x 95 x 48.5

/ 25

1.5 ... 25



IEC 60947-7-1

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 400 | 300         | 300        |          |
| 76  | 65          | 65         |          |
| 16  | AWG 14 ...4 | AWG 14...4 |          |
|     | 6 / 3       |            |          |
|     | A7 / V-0    |            |          |



### Rated connection

1.5...10 / 16...25

1.5...16 / 1.5...16

18 / 5.5 x 1.0

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZDU 6 S                                       | 100  | 1808230000 |
| ZDU 6 S BL                                    | 100  | 1808240000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZDU 10S                                       | 25   | 1739540000 |
| ZDU 10S BL                                    | 25   | 1739550000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZDU 16S                                       | 25   | 1739580000 |
| ZDU 16S BL                                    | 25   | 1739590000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type            | Current [A] | Qty. | Order No.  |
|-----------------|-------------|------|------------|
| ZQV 6/2 GE      | 41          | 60   | 1627850000 |
| ZQV 6/3 GE      | 41          | 60   | 1627860000 |
| ZQV 6/4 GE      | 41          | 60   | 1627870000 |
|                 |             |      |            |
| Width [mm]      |             |      |            |
| ZAP ZDU 6 S     | 2           | 20   | 1808250000 |
| ZAP ZDU 6 S BL  | 2           | 20   | 1808260000 |
| Width [mm]      |             |      |            |
| ZHP S           | 3           | 20   | 1808290000 |
| ZHP S SO        | 3           | 20   | 1808280000 |
| Width [mm]      |             |      |            |
| ZEW             | 6           | 20   | 9540000000 |
|                 |             |      |            |
| SD 0,8X4,0X100  |             |      |            |
|                 |             | 10   | 9008340000 |
| Width [mm]      |             |      |            |
|                 |             |      |            |
| DEK 8 / WS 10/6 |             |      |            |

| Type           | Current [A] | Qty. | Order No.  |
|----------------|-------------|------|------------|
| ZQV 10/2       | 57          | 25   | 1739680000 |
|                |             |      |            |
| Width [mm]     |             |      |            |
| ZAP ZDU10/16S  | 2           | 20   | 1739660000 |
| Width [mm]     |             |      |            |
| ZHP Z/W BL     | 3           | 20   | 1745180000 |
| ZHP Z/W SO     | 5           | 20   | 1781070000 |
| Width [mm]     |             |      |            |
| ZEW            | 6           | 20   | 9540000000 |
|                |             |      |            |
| SD 1,0X5,5X150 |             |      |            |
|                |             | 10   | 9008350000 |
| Width [mm]     |             |      |            |
|                |             |      |            |
| DEK 5          |             |      |            |

| Type           | Current [A] | Qty. | Order No.  |
|----------------|-------------|------|------------|
| ZQV 16/2       | 76          | 25   | 1739690000 |
|                |             |      |            |
| Width [mm]     |             |      |            |
| ZAP ZDU10/16S  | 2           | 20   | 1739660000 |
| Width [mm]     |             |      |            |
| ZHP Z/W BL     | 3           | 20   | 1745180000 |
| ZHP Z/W SO     | 5           | 20   | 1781070000 |
| Width [mm]     |             |      |            |
| ZEW            | 6           | 20   | 9540000000 |
|                |             |      |            |
| SD 1,0X5,5X150 |             |      |            |
|                |             | 10   | 9008350000 |
| Width [mm]     |             |      |            |
|                |             |      |            |
| DEK 5          |             |      |            |

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# Installation terminals

## Neutral disconnect terminals

Neutral cross-connection with busbar-system 10 x 3 mm.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Stripping length/ blade size                           | mm / -          |
| Tightening torque range (clamping screw)               | Nm              |

### Information

### Ordering data

| Version     |                  |
|-------------|------------------|
|             | dark beige Wemid |
|             | blue Wemid       |
| Information |                  |

### Accessories

| Cross-connection                                                                                   |                                               |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------|
| (ZQV 2.5N/4 - pluggable) (Q3 - screwable)                                                          | 2-pole                                        |
|                                                                                                    | 3-pole                                        |
|                                                                                                    | 4-pole                                        |
|                                                                                                    | 10-pole                                       |
|                                                                                                    | 30-/41-/50-pole                               |
| End plate / partition                                                                              |                                               |
|                                                                                                    | dark beige Wemid                              |
|                                                                                                    | blue Wemid                                    |
| Holding plate for 10 x 3                                                                           |                                               |
|                                                                                                    | blue Wemid                                    |
|                                                                                                    | for vertical mounting position                |
| End bracket                                                                                        |                                               |
|                                                                                                    | dark beige                                    |
| Screwdriver                                                                                        |                                               |
|                                                                                                    | w. cutting device "swifty set"                |
|                                                                                                    | Standard version                              |
| Busbar 10 x 3                                                                                      |                                               |
|                                                                                                    | Lower edge busbar to upper edge TS35 = 25.5mm |
| Tension clamp for feeding 10 x 3 busbars                                                           |                                               |
|                                                                                                    | Rigid / flexible 0.5 - 6 / 4mm <sup>2</sup>   |
|                                                                                                    | Rigid / flexible 6 - 16mm <sup>2</sup>        |
|                                                                                                    | flexible 16 - 35mm <sup>2</sup>               |
| Marking systems (see large assortment in chapter M)                                                |                                               |
|                                                                                                    | Tags                                          |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                                               |

## ZNT 2.5 S

2.5 mm<sup>2</sup>

### Two connections



5.1 x 61 x 44  
/ 4  
0.13 ... 4



VDE 0611-5

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 250 |          |     |          |
| 24  |          |     |          |
| 2.5 |          |     |          |
|     | 4 / 3    |     |          |
|     | A2 / V-0 |     |          |

### Rated connection

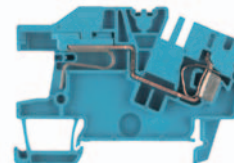
|                     |
|---------------------|
| 0.5...4             |
| 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5      |

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

## ZNT 4 S

4 mm<sup>2</sup>

### Two connections



6.1 x 64.2 x 45.2  
/ 6  
0.5 ... 6



VDE 0611-5

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 250 |          |     |          |
| 32  |          |     |          |
| 4   |          |     |          |
|     | 4 / 3    |     |          |
|     | A2 / V-0 |     |          |

### Rated connection

|                   |
|-------------------|
| 0.5...6           |
| 0.5...4 / 0.5...4 |
| 10 / 0.6 x 3.5    |

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZNT 2.5 S                                     | 100  | 1808300000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZNT 4 S                                       | 100  | 1808310000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

| Width [mm]       |                 |
|------------------|-----------------|
| ZAP ZDU 2.5 S    | 2 20 1808030000 |
| ZAP ZDU 2.5 S BL | 2 20 1808040000 |

| Width [mm] |                 |
|------------|-----------------|
| ZHP S      | 3 20 1808290000 |
| ZHP S SO   | 3 20 1808280000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                      |   |            |
|----------------------|---|------------|
| SSCH 10X3X1000 CU/SN | 1 | 0348900000 |
|----------------------|---|------------|

| Width [mm]      |                   |
|-----------------|-------------------|
| ZB 4K BL        | 6.3 50 0475380000 |
| ZB 16K BL       | 10 50 0502880000  |
| ZB 35K BL M6X16 | 14 20 0502680000  |

DEK 5 / WS 10/5

| Type        | Current [A] | Qty. | Order No.  |
|-------------|-------------|------|------------|
| ZQV 4/2 GE  | 32          | 60   | 1608950000 |
| ZQV 4/3 GE  | 32          | 60   | 1608960000 |
| ZQV 4/4 GE  | 32          | 60   | 1608970000 |
| ZQV 4/10 GE | 32          | 20   | 1609030000 |

| Width [mm]     |                 |
|----------------|-----------------|
| ZAP ZDU 4 S    | 2 20 1808380000 |
| ZAP ZDU 4 S BL | 2 20 1808390000 |

| Width [mm] |                 |
|------------|-----------------|
| ZHP S      | 3 20 1808290000 |
| ZHP S SO   | 3 20 1808280000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                      |   |            |
|----------------------|---|------------|
| SSCH 10X3X1000 CU/SN | 1 | 0348900000 |
|----------------------|---|------------|

| Width [mm]      |                   |
|-----------------|-------------------|
| ZB 4K BL        | 6.3 50 0475380000 |
| ZB 16K BL       | 10 50 0502880000  |
| ZB 35K BL M6X16 | 14 20 0502680000  |

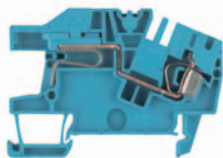
DEK 6 / WS 10/6

# Installation terminals

## ZNT 6 S

6 mm<sup>2</sup>

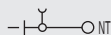
Two connections



8.1 x 64.2 x 49.2

/ 10

0.5 ... 10



VDE 0611-5

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 250 |          |     |          |
| 41  |          |     |          |
| 6   |          |     |          |
|     | 4 / 3    |     |          |
|     | A5 / V-0 |     |          |

### Rated connection

0.5...10

0.5...10 / 0.5...6

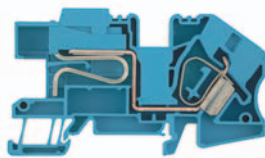
12 / 0.6 x 3.5

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

## ZNT 10 S

10 mm<sup>2</sup>

Two connections



10 x 86.5 x 50

/ 16

1.5 ... 16



VDE 0611-5

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 400 | 600         | 600        |          |
| 57  | 60          | 55         |          |
| 10  | AWG 16 ...6 | AWG 16...6 |          |
|     | 6 / 3       |            |          |
|     | A6 / V-0    |            |          |

KEFA

### Rated connection

1.5...10 / 1.5...16

1.5...10 / 1.5...10

18 / 5.5 x 1.0

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZNT 6 S                                       | 100  | 1808320000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZNT 10S                                       | 25   | 1739560000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type                 | Current [A] | Qty. | Order No.  |
|----------------------|-------------|------|------------|
| ZQV 6/2 GE           | 41          | 60   | 1627850000 |
| ZQV 6/3 GE           | 41          | 60   | 1627860000 |
| ZQV 6/4 GE           | 41          | 60   | 1627870000 |
|                      |             |      |            |
| Width [mm]           |             |      |            |
| ZAP ZDU 6 S          | 2           | 20   | 1808250000 |
| ZAP ZDU 6 S BL       | 2           | 20   | 1808260000 |
| Width [mm]           |             |      |            |
| ZHP S                | 3           | 20   | 1808290000 |
| ZHP S SO             | 3           | 20   | 1808280000 |
| Width [mm]           |             |      |            |
| ZEW                  | 6           | 20   | 9540000000 |
|                      |             |      |            |
| SD 0,8X4,0X100       |             | 10   | 9008340000 |
|                      |             |      |            |
| SSCH 10X3X1000 CU/SN |             | 1    | 0348900000 |
| Width [mm]           |             |      |            |
| ZB 4K BL             | 6.3         | 50   | 0475380000 |
| ZB 16K BL            | 10          | 50   | 0502880000 |
| ZB 35K BL M6X16      | 14          | 20   | 0502680000 |
|                      |             |      |            |
| DEK 8 / WS 10/6      |             |      |            |

| Type                 | Current [A] | Qty. | Order No.  |
|----------------------|-------------|------|------------|
| ZQV 16/2             | 76          | 25   | 1739690000 |
|                      |             |      |            |
| Width [mm]           |             |      |            |
| ZAP ZDU10/16S        | 2           | 20   | 1739660000 |
| Width [mm]           |             |      |            |
| ZHP Z/W BL           | 3           | 20   | 1745180000 |
| ZHP Z/W SO           | 5           | 20   | 1781070000 |
| Width [mm]           |             |      |            |
| ZEW                  | 6           | 20   | 9540000000 |
|                      |             |      |            |
| SD 1,0X5,5X150       |             | 10   | 9008350000 |
|                      |             |      |            |
| SSCH 10X3X1000 CU/SN |             | 1    | 0348900000 |
| Width [mm]           |             |      |            |
| ZB 4K BL             | 6.3         | 50   | 0475380000 |
| ZB 16K BL            | 10          | 50   | 0502880000 |
| ZB 35K BL M6X16      | 14          | 20   | 0502680000 |
|                      |             |      |            |
| DEK 5                |             |      |            |

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# Installation terminals

## Neutral disconnect terminals

Neutral cross-connection with busbar-system 10 x 3 mm.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

#### Clampable conductors (H05V/H07V)

|                                          |                 |
|------------------------------------------|-----------------|
| Solid / stranded                         | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule  | mm <sup>2</sup> |
| Stripping length/ blade size             | mm / -          |
| Tightening torque range (clamping screw) | Nm              |

#### Information

### Ordering data

| Version     |                  |
|-------------|------------------|
|             | dark beige Wemid |
|             | blue Wemid       |
| Information |                  |

### Accessories

| Cross-connection                          |                 |
|-------------------------------------------|-----------------|
| (ZQV 2.5N/4 - pluggable) (Q3 - screwable) | 2-pole          |
|                                           | 3-pole          |
|                                           | 4-pole          |
|                                           | 10-pole         |
|                                           | 30-/41-/50-pole |

| End plate / partition |                  |
|-----------------------|------------------|
|                       | dark beige Wemid |
|                       | blue Wemid       |

| Holding plate for 10 x 3 |                                |
|--------------------------|--------------------------------|
|                          | blue Wemid                     |
|                          | for vertical mounting position |

| End bracket |            |
|-------------|------------|
|             | dark beige |

| Screwdriver |                                |
|-------------|--------------------------------|
|             | w. cutting device "swifty set" |
|             | Standard version               |

| Busbar 10 x 3 |                                               |
|---------------|-----------------------------------------------|
|               | Lower edge busbar to upper edge TS35 = 25.5mm |

| Tension clamp for feeding 10 x 3 busbars |                                             |
|------------------------------------------|---------------------------------------------|
|                                          | Rigid / flexible 0.5 - 6 / 4mm <sup>2</sup> |
|                                          | Rigid / flexible 6 - 16mm <sup>2</sup>      |
|                                          | flexible 16 - 35mm <sup>2</sup>             |

| Marking systems | (see large assortment in chapter M) |
|-----------------|-------------------------------------|
|                 | Tags                                |

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZNT 16/S

16 mm<sup>2</sup>

### Two connections



12 x 95 x 50  
/ 25  
1.5 ... 25



VDE 0611-5

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 400 | 600         | 600        |          |
| 76  | 65          | 65         |          |
| 16  | AWG 14 ...4 | AWG 14...4 |          |
|     | 6 / 3       |            |          |
|     | A7 / V-0    |            |          |

#### Rated connection

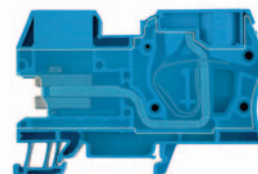
|                     |
|---------------------|
| 1.5...10 / 16...25  |
| 1.5...16 / 1.5...16 |
| 18 / 5.5 x 1.0      |

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

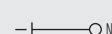
## ZNT 35

35 mm<sup>2</sup>

### Two connections



16 x 100.5 x 59  
/ 35  
2.5 ... 35



VDE 0611-5

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 400 | 600         | 300        |          |
| 125 | 120         | 120        |          |
| 35  | AWG 12 ...2 | AWG 12...2 |          |
|     | 6 / 3       |            |          |
|     | A8 / V-0    |            |          |

#### Rated connection

|                     |
|---------------------|
| 2.5...10 / 16...35  |
| 2.5...35 / 2.5...35 |
| 25 / 5.5 x 1.0      |

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZNT 16S                                       | 25   | 1739600000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type     | Current [A] | Qty. | Order No.  |
|----------|-------------|------|------------|
| ZQV 16/2 | 76          | 25   | 1739690000 |

| Width [mm]    |                 |
|---------------|-----------------|
| ZAP ZDU10/16S | 2 20 1739660000 |

| Width [mm] |                 |
|------------|-----------------|
| ZHP Z/W BL | 3 20 1745180000 |
| ZHP Z/W SO | 5 20 1781070000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 1,0X5,5X150 | 10 | 9008350000 |
|----------------|----|------------|

|                      |   |            |
|----------------------|---|------------|
| SSCH 10X3X1000 CU/SN | 1 | 0348900000 |
|----------------------|---|------------|

| Width [mm]  |                   |
|-------------|-------------------|
| ZB 4K BL    | 6.3 50 0475380000 |
| ZB 16K BL   | 10 50 0502880000  |
| ZB 35/M6X16 | 14 20 0266500000  |

|       |  |
|-------|--|
| DEK 5 |  |
|-------|--|

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZNT 35                                        | 10   | 1739640000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type | Current [A] | Qty. | Order No. |
|------|-------------|------|-----------|
|------|-------------|------|-----------|

| Width [mm] |  |
|------------|--|
|------------|--|

| Width [mm] |                 |
|------------|-----------------|
| ZHP Z/W BL | 3 20 1745180000 |
| ZHP Z/W SO | 5 20 1781070000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 1,0X5,5X150 | 10 | 9008350000 |
|----------------|----|------------|

|                      |   |            |
|----------------------|---|------------|
| SSCH 10X3X1000 CU/SN | 1 | 0348900000 |
|----------------------|---|------------|

| Width [mm]      |                   |
|-----------------|-------------------|
| ZB 4K BL        | 6.3 50 0475380000 |
| ZB 16K BL       | 10 50 0502880000  |
| ZB 35K BL M6X16 | 14 20 0502680000  |

|       |  |
|-------|--|
| DEK 5 |  |
|-------|--|

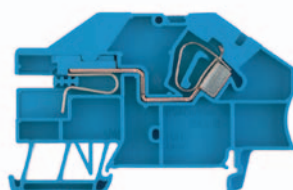
End plate is integrated.



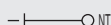
## Terminals, Z-Series

**10 mm<sup>2</sup>**

### Modified busbar-location



0.5 ... 6



1.5 ... 16



VDE 0611-5

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 250 |          |     |          |
| 57  |          |     |          |
| 10  |          |     |          |
|     | 4 / 3    |     |          |
|     | A6 / V-0 |     |          |

**Rated connection**

$$\frac{1.5 \times 10}{1.5 \times 16 / 1.5 \times 10}$$

$$18 / 5.5 \times 1.0$$

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type      | Qty. | Order No.  |
|-----------|------|------------|
| ZDU 10/NT | 25   | 1762420000 |

Only for use with ZDU 2.5, ZDU 2.5/3 AN, ZDU 4, ZDU 6 and ZPE-variants.

| Type                 | Current [A] | Qty. | Order No.  |
|----------------------|-------------|------|------------|
| ZQV 10/2             | 57          | 25   | 1739680000 |
|                      |             |      |            |
|                      |             |      |            |
|                      |             |      |            |
| Width [mm]           |             |      |            |
| ZAP ZDU10/16S        | 2           | 20   | 1739660000 |
|                      |             |      |            |
| Width [mm]           |             |      |            |
| ZHP ZDU4/NT SO       | 5           | 20   | 1803890000 |
|                      |             |      |            |
| Width [mm]           |             |      |            |
| ZEW                  | 6           | 20   | 9540000000 |
|                      |             |      |            |
|                      |             |      |            |
| SD 1,0X5,5X150       |             | 10   | 9008350000 |
|                      |             |      |            |
| SSCH 10X3X1000 CU/SN |             | 1    | 0348900000 |
| Width [mm]           |             |      |            |
| ZB 4K BL             | 6.3         | 50   | 0475380000 |
| ZB 16K BL            | 10          | 50   | 0502880000 |
| ZB 35K BL M6X16      | 14          | 20   | 0502680000 |

DEK 5 / WS 12/5

# Installation terminals

## PE terminal for 10x3 busbar

Neutral cross-connection with busbar-system 10 x 3 mm.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Stripping length/ blade size                           | mm / -          |
| Tightening torque range (clamping screw)               | Nm              |

### Information

### Ordering data

| Version     |                  |
|-------------|------------------|
|             | dark beige Wemid |
|             | blue Wemid       |
| Information |                  |

### Accessories

| Cross-connection                          |                 |
|-------------------------------------------|-----------------|
| (ZQV 2.5N/4 - pluggable) (Q3 - screwable) | 2-pole          |
|                                           | 3-pole          |
|                                           | 4-pole          |
|                                           | 10-pole         |
|                                           | 30-/41-/50-pole |

| End plate / partition |                  |
|-----------------------|------------------|
|                       | dark beige Wemid |
|                       | blue Wemid       |

| Holding plate for 10 x 3 |                                |
|--------------------------|--------------------------------|
|                          | blue Wemid                     |
|                          | for vertical mounting position |

| End bracket |            |
|-------------|------------|
|             | dark beige |

| Screwdriver |                                |
|-------------|--------------------------------|
|             | w. cutting device "swifty set" |
|             | Standard version               |

| Busbar 10 x 3 |                                               |
|---------------|-----------------------------------------------|
|               | Lower edge busbar to upper edge TS35 = 25.5mm |

| Tension clamp for feeding 10 x 3 busbars |                                             |
|------------------------------------------|---------------------------------------------|
|                                          | Rigid / flexible 0.5 - 6 / 4mm <sup>2</sup> |
|                                          | Rigid / flexible 6 - 16mm <sup>2</sup>      |
|                                          | flexible 16 - 35mm <sup>2</sup>             |

| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

| For detailed information on additional accessories and usage instructions see chapter accessories. |  |
|----------------------------------------------------------------------------------------------------|--|
|----------------------------------------------------------------------------------------------------|--|

## ZPE 2.5 S

2.5 mm<sup>2</sup>

### Two connections



|                      |  |
|----------------------|--|
| <b>5.1 x 61 x 44</b> |  |
| <b>/ 4</b>           |  |
| <b>0.13 ... 4</b>    |  |

IEC 60947-7-2

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 400 |          |     |          |
| 2.5 |          |     |          |
|     | 6 / 3    |     |          |
|     | A2 / V-0 |     |          |

### Rated connection

|                     |
|---------------------|
| 0.5...4             |
| 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5      |

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

## ZPE 4 S

4 mm<sup>2</sup>

### Two connections



|                          |  |
|--------------------------|--|
| <b>6.1 x 64.2 x 45.2</b> |  |
| <b>/ 6</b>               |  |
| <b>0.5 ... 6</b>         |  |

IEC 60947-7-2

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 400 |          |     |          |
| 4   |          |     |          |
|     | 6 / 3    |     |          |
|     | A2 / V-0 |     |          |

### Rated connection

|                   |
|-------------------|
| 0.5...6           |
| 0.5...4 / 0.5...4 |
| 10 / 0.6 x 3.5    |

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZPE 2.5 S                                     | 100  | 1808330000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZPE 4 S                                       | 100  | 1808340000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type | Current [A] | Qty. | Order No. |
|------|-------------|------|-----------|
|      |             |      |           |
|      |             |      |           |
|      |             |      |           |
|      |             |      |           |

| Width [mm]    |                 |
|---------------|-----------------|
| ZAP ZDU 2.5 S | 2 20 1808030000 |

| Width [mm] |                 |
|------------|-----------------|
| ZHP S      | 3 20 1808290000 |
| ZHP S SO   | 3 20 1808280000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

| Width [mm]     |               |
|----------------|---------------|
| SD 0,6X3,5X100 | 10 9008330000 |

| Width [mm] |  |
|------------|--|
|            |  |
|            |  |

| Width [mm] |  |
|------------|--|
|            |  |
|            |  |

| Width [mm]      |  |
|-----------------|--|
| DEK 5 / WS 10/5 |  |

| Type | Current [A] | Qty. | Order No. |
|------|-------------|------|-----------|
|      |             |      |           |
|      |             |      |           |
|      |             |      |           |
|      |             |      |           |

| Width [mm]  |                 |
|-------------|-----------------|
| ZAP ZDU 4 S | 2 20 1808380000 |

| Width [mm] |                 |
|------------|-----------------|
| ZHP S      | 3 20 1808290000 |
| ZHP S SO   | 3 20 1808280000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

| Width [mm]     |               |
|----------------|---------------|
| SD 0,6X3,5X100 | 10 9008330000 |

| Width [mm] |  |
|------------|--|
|            |  |
|            |  |

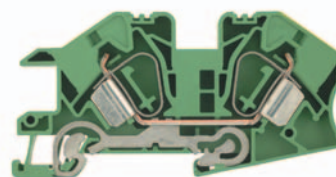
| Width [mm] |  |
|------------|--|
|            |  |
|            |  |

| Width [mm]      |  |
|-----------------|--|
| DEK 6 / WS 10/6 |  |

## Terminals, Z-Series

16 mm<sup>2</sup>

## Two connections



The diagram shows a single-phase power system. A horizontal line represents the transmission line, with a fault point indicated by a vertical line and a circle. The fault is labeled 'F'. The fault is connected to ground through a fault impedance  $Z_f$ . The ground is represented by a horizontal line with a vertical line and a circle, labeled 'PE'.

IEC 60947-7-2

| IEC | UL | CSA | EN 50019 |
|-----|----|-----|----------|
| 400 |    |     |          |

|    |             |            |
|----|-------------|------------|
| 16 | AWG 14 ...4 | AWG 14...4 |
|    | 6 / 3       |            |
|    | A7 / V-0    |            |

Rated connection

1.5...10 / 16...25

---

1.5...16 / 1.5...16

---

18 / 5.5 x 1.0

To keep up the current-carrying capacity of the mounting rail, the use of TS 35 x 15 is required.

| Type    | Qty. | Order No.  |
|---------|------|------------|
| ZPE 16S | 25   | 1739610000 |

Maximum distance between ZHP to ZHP is 200mm.

| Type     | Current [A] | Qty. | Order No.  |
|----------|-------------|------|------------|
| ZQV 16/2 | 76          | 25   | 1739690000 |

| Width [mm]    |      |            |
|---------------|------|------------|
| ZAP ZDU10/16S | 2 20 | 1739660000 |

| Width [mm] |      |            |
|------------|------|------------|
| ZHP Z/W BL | 3 20 | 1745180000 |

| Width [mm] |   |    |           |
|------------|---|----|-----------|
| ZEW        | 6 | 20 | 954000000 |

|                |    |            |
|----------------|----|------------|
| SD 1,0X5,5X150 | 10 | 9008350000 |
|----------------|----|------------|

Width [mm]DEK 5

# Installation terminals

## Distribution terminals with 10x3 bus-bar

Neutral cross-connection with busbar-system 10 x 3 mm.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Stripping length/ blade size                           | mm / -          |
| Tightening torque range (clamping screw)               | Nm              |

### Information

### Ordering data

| Version     |                  |
|-------------|------------------|
|             | dark beige Wemid |
|             | blue Wemid       |
| Information |                  |

### Accessories

| Cross-connection                                                                                   |                                               |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------|
| (ZQV 2.5N/4 - pluggable) (Q3 - screwable)                                                          | 2-pole                                        |
|                                                                                                    | 3-pole                                        |
|                                                                                                    | 4-pole                                        |
|                                                                                                    | 10-pole                                       |
|                                                                                                    | 30-/41-/50-pole                               |
| End plate / partition                                                                              |                                               |
|                                                                                                    | dark beige Wemid                              |
|                                                                                                    | blue Wemid                                    |
| Holding plate for 10 x 3                                                                           |                                               |
|                                                                                                    | blue Wemid                                    |
|                                                                                                    | for vertical mounting position                |
| End bracket                                                                                        |                                               |
|                                                                                                    | dark beige                                    |
| Screwdriver                                                                                        |                                               |
|                                                                                                    | w. cutting device "swifty set"                |
|                                                                                                    | Standard version                              |
| Busbar 10 x 3                                                                                      |                                               |
|                                                                                                    | Lower edge busbar to upper edge TS35 = 25.5mm |
| Tension clamp for feeding 10 x 3 busbars                                                           |                                               |
|                                                                                                    | Rigid / flexible 0.5 - 6 / 4mm <sup>2</sup>   |
|                                                                                                    | Rigid / flexible 6 - 16mm <sup>2</sup>        |
|                                                                                                    | flexible 16 - 35mm <sup>2</sup>               |
|                                                                                                    | (ZB16)                                        |
| Marking systems (see large assortment in chapter M)                                                |                                               |
|                                                                                                    | Tags                                          |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                                               |

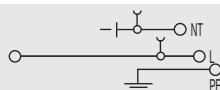
## ZDL 2.5/S/NT/L/PE

2.5 mm<sup>2</sup>

Neutral conductor disconnection - phase - PE



5.1 x 95 x 48.5  
/ 4  
0.13 ... 4



IEC 60947-7-1 (-7-2) / VDE 0611-4

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 24  | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     |              | 4 / 3       |          |
|     |              | A2 / V-0    |          |

KEFA

### Rated connection

|                     |
|---------------------|
| 0.5...4             |
| 0.5...4 / 0.5...2.5 |
| 8 / 0.6 x 3.5       |

2,5 mm<sup>2</sup> flexible conductor with farule is crimped with the Weidmüller-crimping tool PZ 6/5.

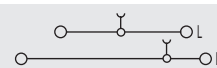
## ZDL 2.5/S/L/L

2.5 mm<sup>2</sup>

Phase - phase



5.1 x 95 x 48.5  
/ 4  
0.13 ... 4



IEC 60947-7-1 / VDE 0611-4

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 24  | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     |              | 6 / 3       |          |
|     |              | A2 / V-0    |          |

KEFA

### Rated connection

|                     |
|---------------------|
| 0.5...4             |
| 0.5...4 / 0.5...2.5 |
| 8 / 0.6 x 3.5       |

2,5 mm<sup>2</sup> flexible conductor with farule is crimped with the Weidmüller-crimping tool PZ 6/5.

| Type          | Qty. | Order No.                                     |
|---------------|------|-----------------------------------------------|
| ZDL 2.5 S/L/L | 50   | 1720760000                                    |
| Information   |      |                                               |
|               |      | Maximum distance between ZHP to ZHP is 200mm. |

| Type           | Current [A] | Qty. | Order No.  |
|----------------|-------------|------|------------|
| ZQV 2.5N/2 GE  | 24          | 60   | 1693800000 |
| ZQV 2.5N/3 GE  | 24          | 60   | 1693810000 |
| ZQV 2.5N/4 GE  | 24          | 60   | 1693820000 |
| ZQV 2.5N/10 GE | 24          | 20   | 1693880000 |
| ZQV 2.5N/50 GE | 24          | 10   | 1693890000 |

| Width [mm] |     |
|------------|-----|
| ZAP ZDL2.5 | 1.5 |

| Width [mm]     |   |
|----------------|---|
| ZHP ZDL2.5S BL | 3 |
| ZHP Z/W SO     | 5 |

| Width [mm] |   |
|------------|---|
| ZEW        | 6 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                      |   |            |
|----------------------|---|------------|
| SSCH 10X3X1000 CU/SN | 1 | 0348900000 |
|----------------------|---|------------|

| Width [mm]      |     |
|-----------------|-----|
| ZB 4K BL        | 6.3 |
| ZB 16K BL       | 10  |
| ZB 35K BL M6X16 | 14  |

DEK 5

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type           | Current [A] | Qty. | Order No.  |
|----------------|-------------|------|------------|
| ZQV 2.5N/2 GE  | 24          | 60   | 1693800000 |
| ZQV 2.5N/3 GE  | 24          | 60   | 1693810000 |
| ZQV 2.5N/4 GE  | 24          | 60   | 1693820000 |
| ZQV 2.5N/10 GE | 24          | 20   | 1693880000 |
| ZQV 2.5N/50 GE | 24          | 10   | 1693890000 |

| Width [mm]  |     |
|-------------|-----|
| ZAP ZDL2.5S | 1.5 |

| Width [mm]     |   |
|----------------|---|
| ZHP ZDL2.5S BL | 3 |
| ZHP Z/W SO     | 5 |

| Width [mm] |   |
|------------|---|
| ZEW        | 6 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                      |   |            |
|----------------------|---|------------|
| SSCH 10X3X1000 CU/SN | 1 | 0348900000 |
|----------------------|---|------------|

| Width [mm]      |     |
|-----------------|-----|
| ZB 4K BL        | 6.3 |
| ZB 16K BL       | 10  |
| ZB 35K BL M6X16 | 14  |

DEK 5

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

# Installation terminals

## ZDL 2.5/S/N

2.5 mm<sup>2</sup>

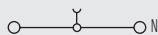
Neutral conductor



5.1 x 95 x 48.5

/ 4

0.13 ... 4



IEC 60947-7-1 / VDE 0611-4

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 400      | 300          | 300         |          |
| 24       | 10           | 10          |          |
| 2.5      | AWG 26 ...12 | AWG 26...12 |          |
| 6 / 3    |              |             |          |
| A2 / V-0 |              |             |          |

KEFA

Rated connection

0.5...4

0.5...4 / 0.5...2.5

8 / 0.6 x 3.5

2,5 mm<sup>2</sup> flexible conductor with farule is crimped with the Weidmüller-crimping tool PZ 6/5.

## ZDL 2.5/S/L

2.5 mm<sup>2</sup>

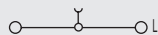
Phase



5.1 x 95 x 48.5

/ 4

0.13 ... 4



IEC 60947-7-1

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 400      | 300          | 300         |          |
| 24       | 10           | 10          |          |
| 2.5      | AWG 26 ...12 | AWG 26...12 |          |
| 6 / 3    |              |             |          |
| A2 / V-0 |              |             |          |

KEFA

Rated connection

0.5...4

0.5...4 / 0.5...2.5

8 / 0.6 x 3.5

2,5 mm<sup>2</sup> flexible conductor with farule is crimped with the Weidmüller-crimping tool PZ 6/5.

## ZDL 2.5/S/N/L

2.5 mm<sup>2</sup>

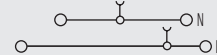
Neutral conductor - phase



5.1 x 95 x 48.5

/ 4

0.13 ... 4



IEC 60947-7-1 / VDE 0611-4

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 400      | 300          | 300         |          |
| 24       | 10           | 10          |          |
| 2.5      | AWG 26 ...12 | AWG 26...12 |          |
| 6 / 3    |              |             |          |
| A2 / V-0 |              |             |          |

KEFA

Rated connection

0.5...4

0.5...4 / 0.5...2.5

8 / 0.6 x 3.5

2,5 mm<sup>2</sup> flexible conductor with farule is crimped with the Weidmüller-crimping tool PZ 6/5.

| Type | Qty. | Order No. |
|------|------|-----------|
|------|------|-----------|

ZDL 2.5 S/N 50 1720770000

Maximum distance between ZHP to ZHP is 200mm.

| Type | Qty. | Order No. |
|------|------|-----------|
|------|------|-----------|

ZDL 2.5 S/L 50 1720780000

Maximum distance between ZHP to ZHP is 200mm.

| Type | Qty. | Order No. |
|------|------|-----------|
|------|------|-----------|

ZDL 2.5 S/N/L 50 1720790000

Maximum distance between ZHP to ZHP is 200mm.

| Type | Current [A] | Qty. | Order No. |
|------|-------------|------|-----------|
|------|-------------|------|-----------|

ZQV 2.5N/2 GE 24 60 1693800000

ZQV 2.5N/3 GE 24 60 1693810000

ZQV 2.5N/4 GE 24 60 1693820000

ZQV 2.5N/10 GE 24 20 1693880000

ZQV 2.5N/50 GE 24 10 1693890000

Width [mm]

ZAP ZDL2.5S 1.5 20 1720900000

Width [mm]

ZHP ZDL2.5S BL 3 20 1720890000

ZHP Z/W SO 5 20 1781070000

Width [mm]

ZEW 6 20 9540000000

SD 0,6X3,5X100 10 9008330000

SSCH 10X3X1000 CU/SN 1 0348900000

Width [mm]

ZB 4K BL 6.3 50 0475380000

ZB 16K BL 10 50 0502880000

ZB 35K BL M6X16 14 20 0502680000

DEK 5

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type | Current [A] | Qty. | Order No. |
|------|-------------|------|-----------|
|------|-------------|------|-----------|

ZQV 2.5N/2 GE 24 60 1693800000

ZQV 2.5N/3 GE 24 60 1693810000

ZQV 2.5N/4 GE 24 60 1693820000

ZQV 2.5N/10 GE 24 20 1693880000

ZQV 2.5N/50 GE 24 10 1693890000

Width [mm]

ZAP ZDL2.5S 1.5 20 1720900000

Width [mm]

ZHP ZDL2.5S BL 3 20 1720890000

ZHP Z/W SO 5 20 1781070000

Width [mm]

ZEW 6 20 9540000000

SD 0,6X3,5X100 10 9008330000

SSCH 10X3X1000 CU/SN 1 0348900000

Width [mm]

ZB 4K BL 6.3 50 0475380000

ZB 16K BL 10 50 0502880000

ZB 35K BL M6X16 14 20 0502680000

DEK 5

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type | Current [A] | Qty. | Order No. |
|------|-------------|------|-----------|
|------|-------------|------|-----------|

ZQV 2.5N/2 GE 24 60 1693800000

ZQV 2.5N/3 GE 24 60 1693810000

ZQV 2.5N/4 GE 24 60 1693820000

ZQV 2.5N/10 GE 24 20 1693880000

ZQV 2.5N/50 GE 24 10 1693890000

Width [mm]

ZAP ZDL2.5S 1.5 20 1720900000

Width [mm]

ZHP ZDL2.5S BL 3 20 1720890000

ZHP Z/W SO 5 20 1781070000

Width [mm]

ZEW 6 20 9540000000

SD 0,6X3,5X100 10 9008330000

SSCH 10X3X1000 CU/SN 1 0348900000

Width [mm]

ZB 4K BL 6.3 50 0475380000

ZB 16K BL 10 50 0502880000

ZB 35K BL M6X16 14 20 0502680000

DEK 5

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

# Installation terminals

## Distribution terminals with 10x3 bus-bar

Neutral cross-connection with busbar-system 10 x 3 mm.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Stripping length/ blade size                           | mm / -          |
| Tightening torque range (clamping screw)               | Nm              |

### Information

### Ordering data

| Version     |                  |
|-------------|------------------|
|             | dark beige Wemid |
|             | blue Wemid       |
| Information |                  |

### Accessories

| Cross-connection                                                                                   |                                               |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------|
| (ZQV 2.5N/4 - pluggable) (Q3 - screwable)                                                          | 2-pole                                        |
|                                                                                                    | 3-pole                                        |
|                                                                                                    | 4-pole                                        |
|                                                                                                    | 10-pole                                       |
|                                                                                                    | 30-/41-/50-pole                               |
| End plate / partition                                                                              |                                               |
|                                                                                                    | dark beige Wemid                              |
|                                                                                                    | blue Wemid                                    |
| Holding plate for 10 x 3                                                                           |                                               |
|                                                                                                    | blue Wemid                                    |
|                                                                                                    | for vertical mounting position                |
| End bracket                                                                                        |                                               |
|                                                                                                    | dark beige                                    |
| Screwdriver                                                                                        |                                               |
|                                                                                                    | w. cutting device "swifty set"                |
|                                                                                                    | Standard version                              |
| Busbar 10 x 3                                                                                      |                                               |
|                                                                                                    | Lower edge busbar to upper edge TS35 = 25.5mm |
| Tension clamp for feeding 10 x 3 busbars                                                           |                                               |
|                                                                                                    | Rigid / flexible 0.5 - 6 / 4mm <sup>2</sup>   |
|                                                                                                    | Rigid / flexible 6 - 16mm <sup>2</sup>        |
|                                                                                                    | flexible 16 - 35mm <sup>2</sup>               |
| Marking systems (see large assortment in chapter M)                                                |                                               |
|                                                                                                    | Tags                                          |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                                               |

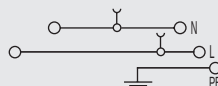
## ZDL 2.5/S/N/L/PE

2.5 mm<sup>2</sup>

Neutral conductor - phase - PE



5.1 x 95 x 48.5  
/ 4  
0.13 ... 4



IEC 60947-7-1 (-7-2) / VDE 0611-4

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 24  | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     |              | 4 / 3       |          |
|     |              | A2 / V-0    |          |



### Rated connection

0.5...4  
0.5...4 / 0.5...2.5  
8 / 0.6 x 3.5

2.5 mm<sup>2</sup> flexible conductor with ferrule is crimped with the Weidmüller-crimping tool PZ 6/5.

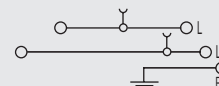
## ZDL 2.5/S/L/L/PE

2.5 mm<sup>2</sup>

Phase - phase - PE



5.1 x 95 x 48.5  
/ 4  
0.13 ... 4



IEC 60947-7-1 (-7-2) / VDE 0611-4

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 24  | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     |              | 4 / 3       |          |
|     |              | A2 / V-0    |          |



### Rated connection

0.5...4  
0.5...4 / 0.5...2.5  
8 / 0.6 x 3.5

2.5 mm<sup>2</sup> flexible conductor with ferrule is crimped with the Weidmüller-crimping tool PZ 6/5.

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZDL 2.5 S/N/L/PE                              | 50   | 1720800000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZDL 2.5 S/L/L/PE                              | 50   | 1720810000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type                                                                                    | Current [A] | Qty. | Order No.  |
|-----------------------------------------------------------------------------------------|-------------|------|------------|
| ZQV 2.5N/2 GE                                                                           | 24          | 60   | 1693800000 |
| ZQV 2.5N/3 GE                                                                           | 24          | 60   | 1693810000 |
| ZQV 2.5N/4 GE                                                                           | 24          | 60   | 1693820000 |
| ZQV 2.5N/10 GE                                                                          | 24          | 20   | 1693880000 |
| ZQV 2.5N/50 GE                                                                          | 24          | 10   | 1693890000 |
| Width [mm]                                                                              |             |      |            |
| ZAP ZDL2.5S                                                                             | 1.5         | 20   | 1720900000 |
| Width [mm]                                                                              |             |      |            |
| ZHP ZDL2.5S BL                                                                          | 3           | 20   | 1720890000 |
| ZHP Z/W SO                                                                              | 5           | 20   | 1781070000 |
| Width [mm]                                                                              |             |      |            |
| ZEW                                                                                     | 6           | 20   | 9540000000 |
| Width [mm]                                                                              |             |      |            |
| SD 0,6X3,5X100                                                                          |             | 10   | 9008330000 |
| Width [mm]                                                                              |             |      |            |
| SSCH 10X3X1000 CU/SN                                                                    |             | 1    | 0348900000 |
| Width [mm]                                                                              |             |      |            |
| ZB 4K BL                                                                                | 6.3         | 50   | 0475380000 |
| ZB 16K BL                                                                               | 10          | 50   | 0502880000 |
| ZB 35K BL M6X16                                                                         | 14          | 20   | 0502680000 |
| Width [mm]                                                                              |             |      |            |
| DEK 5                                                                                   |             |      |            |
| The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S). |             |      |            |

| Type                                                                                    | Current [A] | Qty. | Order No.  |
|-----------------------------------------------------------------------------------------|-------------|------|------------|
| ZQV 2.5N/2 GE                                                                           | 24          | 60   | 1693800000 |
| ZQV 2.5N/3 GE                                                                           | 24          | 60   | 1693810000 |
| ZQV 2.5N/4 GE                                                                           | 24          | 60   | 1693820000 |
| ZQV 2.5N/10 GE                                                                          | 24          | 20   | 1693880000 |
| ZQV 2.5N/50 GE                                                                          | 24          | 10   | 1693890000 |
| Width [mm]                                                                              |             |      |            |
| ZAP ZDL2.5S                                                                             | 1.5         | 20   | 1720900000 |
| Width [mm]                                                                              |             |      |            |
| ZHP ZDL2.5S BL                                                                          | 3           | 20   | 1720890000 |
| ZHP Z/W SO                                                                              | 5           | 20   | 1781070000 |
| Width [mm]                                                                              |             |      |            |
| ZEW                                                                                     | 6           | 20   | 9540000000 |
| Width [mm]                                                                              |             |      |            |
| SD 0,6X3,5X100                                                                          |             | 10   | 9008330000 |
| Width [mm]                                                                              |             |      |            |
| SSCH 10X3X1000 CU/SN                                                                    |             | 1    | 0348900000 |
| Width [mm]                                                                              |             |      |            |
| ZB 4K BL                                                                                | 6.3         | 50   | 0475380000 |
| ZB 16K BL                                                                               | 10          | 50   | 0502880000 |
| ZB 35K BL M6X16                                                                         | 14          | 20   | 0502680000 |
| Width [mm]                                                                              |             |      |            |
| DEK 5                                                                                   |             |      |            |
| The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S). |             |      |            |



# Installation terminals

## Distribution terminal with ZQV

Electrical distribution with pluggable cross-connection

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Tightening torque range clamping screw                 | Nm              |
| Stripping length / blade size                          | mm / -          |

### Information

### Ordering data

| Version          |  |
|------------------|--|
| dark beige Wemid |  |
| blue Wemid       |  |
| Information      |  |

### Accessories

| Cross-connection, pluggable                                                         |       |
|-------------------------------------------------------------------------------------|-------|
|  | (ZQV) |
| 2-pole                                                                              |       |
| 3-pole                                                                              |       |
| 4-pole                                                                              |       |
| 10-pole                                                                             |       |
| 30-/41-/50-pole                                                                     |       |

| End plate / partition |  |
|-----------------------|--|
| dark beige Wemid      |  |
| blue Wemid            |  |

| End bracket      |  |
|------------------|--|
| dark beige Wemid |  |

| Test adapter                         |                  |
|--------------------------------------|------------------|
| for testing of wired terminal strips | Standard version |
|                                      | With spigot      |

| Screwdriver                                                                         |                                |
|-------------------------------------------------------------------------------------|--------------------------------|
|  | w. cutting device "swifty set" |
|                                                                                     | Standard version               |

| Reducing sleeves |                                 |
|------------------|---------------------------------|
|                  | for conductors < 0.5mm / AWG 20 |
|                  | for conductors < 1.0mm / AWG 18 |

| Cover                                                                               |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
|  | With elec. shock warn. symbol |
|                                                                                     | neutral                       |

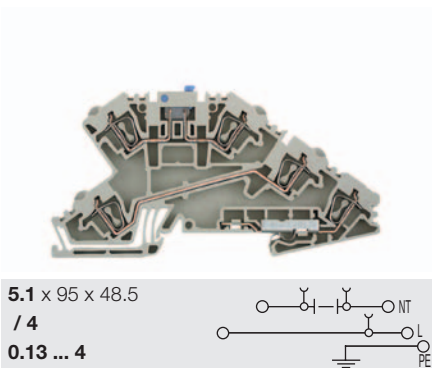
| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZDL 2.5/NT/L/PE

2.5 mm<sup>2</sup>

Neutral conductor disconnection - phase - PE



|                        |
|------------------------|
| <b>5.1 x 95 x 48.5</b> |
| <b>/ 4</b>             |
| <b>0.13 ... 4</b>      |

IEC 60947-7-1 (-7-2) / VDE 0611-4

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 24  | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     |              | 4 / 3       |          |
|     |              | A2 / V-0    |          |

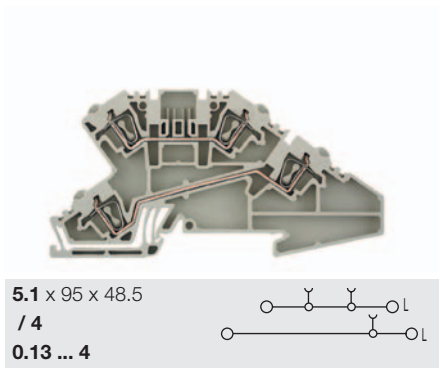
| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 0.5...4             |                       |
| 0.5...4 / 0.5...2.5 |                       |
| 8 / 0.6 x 3.5       |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

## ZDL 2.5/L/L

2.5 mm<sup>2</sup>

Phase - phase



|                        |
|------------------------|
| <b>5.1 x 95 x 48.5</b> |
| <b>/ 4</b>             |
| <b>0.13 ... 4</b>      |

IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 24  | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     |              | 6 / 3       |          |
|     |              | A2 / V-0    |          |

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 0.5...4             |                       |
| 0.5...4 / 0.5...2.5 |                       |
| 8 / 0.6 x 3.5       |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type            | Qty. | Order No.  |
|-----------------|------|------------|
| ZDL 2.5/NT/L/PE | 50   | 1720820000 |
| Type            | Qty. | Order No.  |
| ZDL 2.5/L/L     | 50   | 1720830000 |

| Type           | Current [A] | Qty. | Order No.  |
|----------------|-------------|------|------------|
| ZQV 2.5N/2 GE  | 24          | 60   | 1693800000 |
| ZQV 2.5N/3 GE  | 24          | 60   | 1693810000 |
| ZQV 2.5N/4 GE  | 24          | 60   | 1693820000 |
| ZQV 2.5N/10 GE | 24          | 20   | 1693880000 |
| ZQV 2.5N/50 GE | 24          | 10   | 1693890000 |

| Width [mm] |            |
|------------|------------|
| ZAP ZDL2.5 | 1.5        |
| 20         | 1720910000 |

| Width [mm] |            |
|------------|------------|
| ZEW        | 6          |
| 20         | 9540000000 |

| Width [mm]     |    |
|----------------|----|
| SD 0,6X3,5X100 | 10 |
| 9008330000     |    |

| Width [mm]     |    |
|----------------|----|
| SD 0,6X3,5X100 | 10 |
| 9008330000     |    |

| Width [mm]     |    |
|----------------|----|
| SD 0,6X3,5X100 | 10 |
| 9008330000     |    |

| Width [mm]     |    |
|----------------|----|
| SD 0,6X3,5X100 | 10 |
| 9008330000     |    |

| Width [mm]     |    |
|----------------|----|
| SD 0,6X3,5X100 | 10 |
| 9008330000     |    |

For detailed information on additional accessories and usage instructions see chapter accessories.



# Installation terminals

## Distribution terminal with ZQV

Electrical distribution with pluggable cross-connection

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Tightening torque range clamping screw                 | Nm              |
| Stripping length / blade size                          | mm / -          |

### Information

### Ordering data

| Version     |                  |
|-------------|------------------|
|             | dark beige Wemid |
|             | blue Wemid       |
| Information |                  |

### Accessories

| Cross-connection, pluggable                                                         |                 |
|-------------------------------------------------------------------------------------|-----------------|
|  | 2-pole          |
|                                                                                     | 3-pole          |
|                                                                                     | 4-pole          |
|                                                                                     | 10-pole         |
|                                                                                     | 30-/41-/50-pole |

| End plate / partition |                  |
|-----------------------|------------------|
|                       | dark beige Wemid |
|                       | blue Wemid       |

| End bracket |                  |
|-------------|------------------|
|             | dark beige Wemid |

| Test adapter                         |                  |
|--------------------------------------|------------------|
| for testing of wired terminal strips | Standard version |
|                                      | With spigot      |

| Screwdriver |                                |
|-------------|--------------------------------|
|             | w. cutting device "swifty set" |
|             | Standard version               |

| Reducing sleeves |                                 |
|------------------|---------------------------------|
|                  | for conductors < 0.5mm / AWG 20 |
|                  | for conductors < 1.0mm / AWG 18 |

| Cover |                               |
|-------|-------------------------------|
|       | With elec. shock warn. symbol |
|       | neutral                       |

| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZDL 2.5/N

2.5 mm<sup>2</sup>

### Neutral conductor



5.1 x 95 x 48.5  
/ 4  
0.13 ... 4



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 24  | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     |              | 6 / 3       |          |
|     |              | A2 / V-0    |          |

KEBA

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 0.5...4             |                       |
| 0.5...4 / 0.5...2.5 |                       |
|                     |                       |
| 8 / 0.6 x 3.5       |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

## ZDL 2.5/L

2.5 mm<sup>2</sup>

### Phase



5.1 x 95 x 48.5  
/ 4  
0.13 ... 4



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 24  | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     |              | 6 / 3       |          |
|     |              | A2 / V-0    |          |

KEBA

| Rated connection    | Additional connection |
|---------------------|-----------------------|
| 0.5...4             |                       |
| 0.5...4 / 0.5...2.5 |                       |
|                     |                       |
| 8 / 0.6 x 3.5       |                       |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZDL 2.5/L   | 50   | 1720850000 |
| Information |      |            |

| Type           | Current [A] | Qty. | Order No.  |
|----------------|-------------|------|------------|
| ZQV 2.5N/2 GE  | 24          | 60   | 1693800000 |
| ZQV 2.5N/3 GE  | 24          | 60   | 1693810000 |
| ZQV 2.5N/4 GE  | 24          | 60   | 1693820000 |
| ZQV 2.5N/10 GE | 24          | 20   | 1693880000 |
| ZQV 2.5N/50 GE | 24          | 10   | 1693890000 |

| Width [mm] |                   |
|------------|-------------------|
| ZAP ZDL2.5 | 1.5 20 1720910000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

| Width [mm]     |               |
|----------------|---------------|
| SD 0,6X3,5X100 | 10 9008330000 |

| Width [mm]     |               |
|----------------|---------------|
| SD 0,6X3,5X100 | 10 9008330000 |

| Width [mm]     |               |
|----------------|---------------|
| SD 0,6X3,5X100 | 10 9008330000 |

| Width [mm]     |               |
|----------------|---------------|
| SD 0,6X3,5X100 | 10 9008330000 |

| Width [mm]     |               |
|----------------|---------------|
| SD 0,6X3,5X100 | 10 9008330000 |

| Width [mm]     |               |
|----------------|---------------|
| SD 0,6X3,5X100 | 10 9008330000 |

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany. Delivery times see page X.2

# Installation terminals

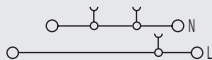
## ZDL 2.5/N/L

2.5 mm<sup>2</sup>

Neutral conductor - phase



5.1 x 95 x 48.5  
/ 4  
0.13 ... 4



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 24  | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A2 / V-0     |             |          |

KEFA

Rated connection Additional connection

0.5...4

0.5...4 / 0.5...2.5

8 / 0.6 x 3.5

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

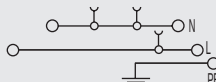
## ZDL 2.5/N/L/PE

2.5 mm<sup>2</sup>

Neutral conductor - phase - PE



5.1 x 95 x 48.5  
/ 4  
0.13 ... 4



IEC 60947-7-1 (-7-2)

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 24  | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 4 / 3        |             |          |
|     | A2 / V-0     |             |          |

KEFA

Rated connection Additional connection

0.5...4

0.5...4 / 0.5...2.5

8 / 0.6 x 3.5

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

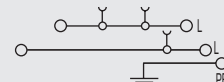
## ZDL 2.5/L/L/PE

2.5 mm<sup>2</sup>

Phase - phase - PE



5.1 x 95 x 48.5  
/ 4  
0.13 ... 4



IEC 60947-7-1 (-7-2)

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 24  | 10           | 10          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 4 / 3        |             |          |
|     | A2 / V-0     |             |          |

KEFA

Rated connection Additional connection

0.5...4

0.5...4 / 0.5...2.5

8 / 0.6 x 3.5

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZDL 2.5/N/L | 50   | 1720860000 |

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| ZDL 2.5/N/L/PE |      | 1720870000 |

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| ZDL 2.5/L/L/PE | 50   | 1720880000 |

| Type           | Current [A] | Qty. | Order No.  |
|----------------|-------------|------|------------|
| ZQV 2.5N/2 GE  | 24          | 60   | 1693800000 |
| ZQV 2.5N/3 GE  | 24          | 60   | 1693810000 |
| ZQV 2.5N/4 GE  | 24          | 60   | 1693820000 |
| ZQV 2.5N/10 GE | 24          | 20   | 1693880000 |
| ZQV 2.5N/50 GE | 24          | 10   | 1693890000 |

| Type           | Current [A] | Qty. | Order No.  |
|----------------|-------------|------|------------|
| ZQV 2.5N/2 GE  | 24          | 60   | 1693800000 |
| ZQV 2.5N/3 GE  | 24          | 60   | 1693810000 |
| ZQV 2.5N/4 GE  | 24          | 60   | 1693820000 |
| ZQV 2.5N/10 GE | 24          | 20   | 1693880000 |
| ZQV 2.5N/50 GE | 24          | 10   | 1693890000 |

| Type           | Current [A] | Qty. | Order No.  |
|----------------|-------------|------|------------|
| ZQV 2.5N/2 GE  | 24          | 60   | 1693800000 |
| ZQV 2.5N/3 GE  | 24          | 60   | 1693810000 |
| ZQV 2.5N/4 GE  | 24          | 60   | 1693820000 |
| ZQV 2.5N/10 GE | 24          | 20   | 1693880000 |
| ZQV 2.5N/50 GE | 24          | 10   | 1693890000 |

| Width [mm] | Qty. | Order No. |
|------------|------|-----------|
| ZAP ZDL2.5 | 1.5  | 20        |

| Width [mm] | Qty. | Order No. |
|------------|------|-----------|
| ZAP ZDL2.5 | 1.5  | 20        |

| Width [mm] | Qty. | Order No. |
|------------|------|-----------|
| ZAP ZDL2.5 | 1.5  | 20        |

| Width [mm] | Qty. | Order No. |
|------------|------|-----------|
| ZEW        | 6    | 20        |

| Width [mm] | Qty. | Order No. |
|------------|------|-----------|
| ZEW        | 6    | 20        |

| Width [mm] | Qty. | Order No. |
|------------|------|-----------|
| ZEW        | 6    | 20        |

| SD 0,6X3,5X100 | Qty. | Order No.  |
|----------------|------|------------|
|                | 10   | 9008330000 |

| SD 0,6X3,5X100 | Qty. | Order No.  |
|----------------|------|------------|
|                | 10   | 9008330000 |

| SD 0,6X3,5X100 | Qty. | Order No.  |
|----------------|------|------------|
|                | 10   | 9008330000 |

DEK 5

DEK 5

DEK 5

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

Weidmüller

C.61

# Installation terminals

## Distribution terminals with 10x3 bus-bar

Neutral cross-connection with busbar-system  
10 x 3 mm.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Stripping length/ blade size                           | mm / -          |
| Tightening torque range (clamping screw)               | Nm              |

### Information

### Ordering data

| Version     |                  |
|-------------|------------------|
|             | dark beige Wemid |
|             | blue Wemid       |
| Information |                  |

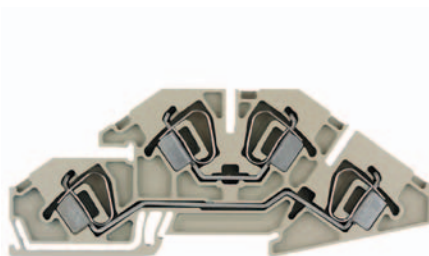
### Accessories

| Cross-connection                                                                                   |                                               |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------|
| (ZQV 2.5N/4 - pluggable) (Q3 - screwable)                                                          | 2-pole                                        |
|                                                                                                    | 3-pole                                        |
|                                                                                                    | 4-pole                                        |
|                                                                                                    | 10-pole                                       |
|                                                                                                    | 30-/41-/50-pole                               |
| End plate / partition                                                                              |                                               |
|                                                                                                    | dark beige Wemid                              |
|                                                                                                    | blue Wemid                                    |
| Holding plate for 10 x 3                                                                           |                                               |
|                                                                                                    | blue Wemid                                    |
|                                                                                                    | for vertical mounting position                |
| End bracket                                                                                        |                                               |
|                                                                                                    | dark beige                                    |
| Screwdriver                                                                                        |                                               |
|                                                                                                    | w. cutting device "swifty set"                |
|                                                                                                    | Standard version                              |
| Busbar 10 x 3                                                                                      |                                               |
|                                                                                                    | Lower edge busbar to upper edge TS35 = 25.5mm |
| Tension clamp for feeding 10 x 3 busbars                                                           |                                               |
|                                                                                                    | Rigid / flexible 0.5 - 6 / 4mm <sup>2</sup>   |
|                                                                                                    | Rigid / flexible 6 - 16mm <sup>2</sup>        |
|                                                                                                    | flexible 16 - 35mm <sup>2</sup>               |
| Marking systems (see large assortment in chapter M)                                                |                                               |
|                                                                                                    | Tags                                          |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                                               |

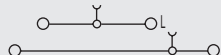
## ZDK 4/S/L/L

4 mm<sup>2</sup>

### Phase - phase



|                  |
|------------------|
| 6.1 x 122 x 50.5 |
| / 6              |
| 0.13 ... 6       |



IEC 60947-7-1

| IEC | UL           | CSA | EN 50019 |
|-----|--------------|-----|----------|
| 400 | 300          |     |          |
| 32  | 33           |     |          |
| 4   | AWG 26 ...10 |     |          |
|     | 6 / 3        |     |          |
|     | A4 / V-0     |     |          |

### Rated connection

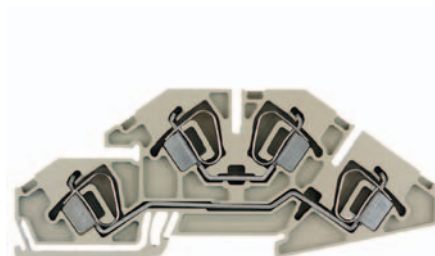
|                   |
|-------------------|
| 0.5...6           |
| 0.5...4 / 0.5...4 |
| 12 / 0.6 x 3.5    |

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

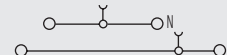
## ZDK 4/ S/N/L

4 mm<sup>2</sup>

### Neutral conductor phase



|                  |
|------------------|
| 6.1 x 122 x 50.5 |
| / 6              |
| 0.13 ... 6       |



IEC 60947-7-1

| IEC | UL           | CSA | EN 50019 |
|-----|--------------|-----|----------|
| 400 | 300          |     |          |
| 32  | 33           |     |          |
| 4   | AWG 26 ...10 |     |          |
|     | 6 / 3        |     |          |
|     | A4 / V-0     |     |          |

### Rated connection

|                   |
|-------------------|
| 0.5...6           |
| 0.5...4 / 0.5...4 |
| 12 / 0.6 x 3.5    |

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZDK 4S/L/L                                    | 50   | 1733290000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZDK 4S/N/L                                    | 50   | 1733460000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type        | Current [A] | Qty. | Order No.  |
|-------------|-------------|------|------------|
| ZQV 4/2 GE  | 32          | 60   | 1608950000 |
| ZQV 4/3 GE  | 32          | 60   | 1608960000 |
| ZQV 4/4 GE  | 32          | 60   | 1608970000 |
| ZQV 4/10 GE | 32          | 20   | 1609030000 |

| Width [mm]  |                 |
|-------------|-----------------|
| ZAP ZDK4/6S | 2 20 1733240000 |

| Width [mm] |                 |
|------------|-----------------|
| ZHP Z/W BL | 3 20 1745180000 |
| ZHP Z/W SO | 5 20 1781070000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                      |   |            |
|----------------------|---|------------|
| SSCH 10X3X1000 CU/SN | 1 | 0348900000 |
|----------------------|---|------------|

| Width [mm]      |                   |
|-----------------|-------------------|
| ZB 4K BL        | 6.3 50 0475380000 |
| ZB 16K BL       | 10 50 0502880000  |
| ZB 35K BL M6X16 | 14 20 0502680000  |

|       |
|-------|
| DEK 5 |
|-------|

| Type        | Current [A] | Qty. | Order No.  |
|-------------|-------------|------|------------|
| ZQV 4/2 GE  | 32          | 60   | 1608950000 |
| ZQV 4/3 GE  | 32          | 60   | 1608960000 |
| ZQV 4/4 GE  | 32          | 60   | 1608970000 |
| ZQV 4/10 GE | 32          | 20   | 1609030000 |

| Width [mm]  |                 |
|-------------|-----------------|
| ZAP ZDK4/6S | 2 20 1733240000 |

| Width [mm] |                 |
|------------|-----------------|
| ZHP Z/W BL | 3 20 1745180000 |
| ZHP Z/W SO | 5 20 1781070000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                      |   |            |
|----------------------|---|------------|
| SSCH 10X3X1000 CU/SN | 1 | 0348900000 |
|----------------------|---|------------|

| Width [mm]      |                   |
|-----------------|-------------------|
| ZB 4K BL        | 6.3 50 0475380000 |
| ZB 16K BL       | 10 50 0502880000  |
| ZB 35K BL M6X16 | 14 20 0502680000  |

|       |
|-------|
| DEK 5 |
|-------|

# Installation terminals

## ZDK 4/S/NT

4 mm<sup>2</sup>

### Neutral conductor disconnection



6.1 x 122 x 50.5

/ 6

0.13 ... 6



IEC 60947-7-1 / VDE 0611-4

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 250 |          |     |          |
| 32  |          |     |          |
| 4   |          |     |          |
|     | 4 / 3    |     |          |
|     | A4 / V-0 |     |          |

#### Rated connection

0.5...6

0.5...4 / 0.5...4

12 / 0.6 x 3.5

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

## ZDK 4/S/N

4 mm<sup>2</sup>

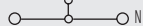
### Neutral conductor



6.1 x 122 x 50.5

/ 6

0.13 ... 6



IEC 60947-7-1

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 400 |          |     |          |
| 32  |          |     |          |
| 4   |          |     |          |
|     | 6 / 3    |     |          |
|     | A4 / V-0 |     |          |

#### Rated connection

0.5...6

0.5...4 / 0.5...4

12 / 0.6 x 3.5

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

## ZDK 4/S/L/PE

4 mm<sup>2</sup>

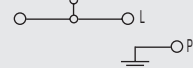
### Phase - PE conductor



6.1 x 122 x 50.5

/ 6

0.13 ... 6



IEC 60947-7-1 (-7-2)

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 400 |          |     |          |
| 32  |          |     |          |
| 4   |          |     |          |
|     | 6 / 3    |     |          |
|     | A4 / V-0 |     |          |

#### Rated connection

0.5...6

0.5...4 / 0.5...4

12 / 0.6 x 3.5

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZDK 4S/NT                                     | 50   | 1733280000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZDK 4S/N                                      | 50   | 1733450000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZDK 4S/L/PE                                   | 50   | 1733300000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type                 | Current [A] | Qty. | Order No.  |
|----------------------|-------------|------|------------|
| ZQV 4/2 GE           | 32          | 60   | 1608950000 |
| ZQV 4/3 GE           | 32          | 60   | 1608960000 |
| ZQV 4/4 GE           | 32          | 60   | 1608970000 |
| ZQV 4/10 GE          | 32          | 20   | 1609030000 |
| Width [mm]           |             |      |            |
| ZAP ZDK4/6S          | 2           | 20   | 1733240000 |
| Width [mm]           |             |      |            |
| ZHP Z/W BL           | 3           | 20   | 1745180000 |
| ZHP Z/W SO           | 5           | 20   | 1781070000 |
| Width [mm]           |             |      |            |
| ZEW                  | 6           | 20   | 9540000000 |
| SD 0,6X3,5X100       |             |      |            |
|                      | 10          |      | 9008330000 |
| SSCH 10X3X1000 CU/SN |             |      |            |
|                      | 1           |      | 0348900000 |
| Width [mm]           |             |      |            |
| ZB 4K BL             | 6.3         | 50   | 0475380000 |
| ZB 16K BL            | 10          | 50   | 0502880000 |
| ZB 35K BL M6X16      | 14          | 20   | 0502680000 |
| DEK 5                |             |      |            |

| Type                 | Current [A] | Qty. | Order No.  |
|----------------------|-------------|------|------------|
| ZQV 4/2 GE           | 32          | 60   | 1608950000 |
| ZQV 4/3 GE           | 32          | 60   | 1608960000 |
| ZQV 4/4 GE           | 32          | 60   | 1608970000 |
| ZQV 4/10 GE          | 32          | 20   | 1609030000 |
| Width [mm]           |             |      |            |
| ZAP ZDK4/6S          | 2           | 20   | 1733240000 |
| Width [mm]           |             |      |            |
| ZHP Z/W BL           | 3           | 20   | 1745180000 |
| ZHP Z/W SO           | 5           | 20   | 1781070000 |
| Width [mm]           |             |      |            |
| ZEW                  | 6           | 20   | 9540000000 |
| SD 0,6X3,5X100       |             |      |            |
|                      | 10          |      | 9008330000 |
| SSCH 10X3X1000 CU/SN |             |      |            |
|                      | 1           |      | 0348900000 |
| Width [mm]           |             |      |            |
| ZB 4K BL             | 6.3         | 50   | 0475380000 |
| ZB 16K BL            | 10          | 50   | 0502880000 |
| ZB 35K BL M6X16      | 14          | 20   | 0502680000 |
| DEK 5                |             |      |            |

| Type                 | Current [A] | Qty. | Order No.  |
|----------------------|-------------|------|------------|
| ZQV 4/2 GE           | 32          | 60   | 1608950000 |
| ZQV 4/3 GE           | 32          | 60   | 1608960000 |
| ZQV 4/4 GE           | 32          | 60   | 1608970000 |
| ZQV 4/10 GE          | 32          | 20   | 1609030000 |
| Width [mm]           |             |      |            |
| ZAP ZDK4/6S          | 2           | 20   | 1733240000 |
| Width [mm]           |             |      |            |
| ZHP Z/W BL           | 3           | 20   | 1745180000 |
| ZHP Z/W SO           | 5           | 20   | 1781070000 |
| Width [mm]           |             |      |            |
| ZEW                  | 6           | 20   | 9540000000 |
| SD 0,6X3,5X100       |             |      |            |
|                      | 10          |      | 9008330000 |
| SSCH 10X3X1000 CU/SN |             |      |            |
|                      | 1           |      | 0348900000 |
| Width [mm]           |             |      |            |
| ZB 4K BL             | 6.3         | 50   | 0475380000 |
| ZB 16K BL            | 10          | 50   | 0502880000 |
| ZB 35K BL M6X16      | 14          | 20   | 0502680000 |
| DEK 5                |             |      |            |

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# Installation terminals

## Distribution terminals with 10x3 bus-bar

Neutral cross-connection with busbar-system  
10 x 3 mm.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Stripping length/ blade size                           | mm / -          |
| Tightening torque range (clamping screw)               | Nm              |

### Information

### Ordering data

| Version     |                  |
|-------------|------------------|
|             | dark beige Wemid |
|             | blue Wemid       |
| Information |                  |

### Accessories

| Cross-connection                                                                                   |                                               |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------|
| (ZQV 2.5N/4 - pluggable) (Q3 - screwable)                                                          | 2-pole                                        |
|                                                                                                    | 3-pole                                        |
|                                                                                                    | 4-pole                                        |
|                                                                                                    | 10-pole                                       |
|                                                                                                    | 30-/41-/50-pole                               |
| End plate / partition                                                                              |                                               |
|                                                                                                    | dark beige Wemid                              |
|                                                                                                    | blue Wemid                                    |
| Holding plate for 10 x 3                                                                           |                                               |
|                                                                                                    | blue Wemid                                    |
|                                                                                                    | for vertical mounting position                |
| End bracket                                                                                        |                                               |
|                                                                                                    | dark beige                                    |
| Screwdriver                                                                                        |                                               |
|                                                                                                    | w. cutting device "swifty set"                |
|                                                                                                    | Standard version                              |
| Busbar 10 x 3                                                                                      |                                               |
|                                                                                                    | Lower edge busbar to upper edge TS35 = 25.5mm |
| Tension clamp for feeding 10 x 3 busbars                                                           |                                               |
|                                                                                                    | Rigid / flexible 0.5 - 6 / 4mm <sup>2</sup>   |
|                                                                                                    | Rigid / flexible 6 - 16mm <sup>2</sup>        |
|                                                                                                    | flexible 16 - 35mm <sup>2</sup>               |
| Marking systems (see large assortment in chapter M)                                                |                                               |
|                                                                                                    | Tags                                          |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                                               |

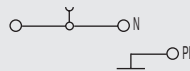
## ZDK 4/S/N/PE

4 mm<sup>2</sup>

Neutral conductor - PE



6.1 x 122 x 50.5  
/ 6  
0.13 ... 6



IEC 60947-7-1 (-7-2)

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 400 |          |     |          |
| 32  |          |     |          |
| 4   |          |     |          |
|     | 6 / 3    |     |          |
|     | A4 / V-0 |     |          |

### Rated connection

|                   |
|-------------------|
| 0.5...6           |
| 0.5...6 / 0.5...4 |
| 12 / 0.6 x 3.5    |

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

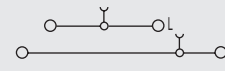
## ZDK 6/S/L/L

6 mm<sup>2</sup>

Phase - phase



8.1 x 124 x 50.5  
/ 10  
0.33 ... 10



IEC 60947-7-1

| IEC | UL          | CSA | EN 50019 |
|-----|-------------|-----|----------|
| 400 | 300         |     |          |
| 41  | 38          |     |          |
| 6   | AWG 22 ...8 |     |          |
|     | 6 / 3       |     |          |
|     | A5 / V-0    |     |          |

### Rated connection

|                   |
|-------------------|
| 0.5...10          |
| 0.5...6 / 0.5...6 |
| 12 / 5.5 x 1.0    |

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZDK 4S/N/PE                                   | 50   | 1733470000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type        | Current [A] | Qty. | Order No.  |
|-------------|-------------|------|------------|
| ZQV 4/2 GE  | 32          | 60   | 1608950000 |
| ZQV 4/3 GE  | 32          | 60   | 1608960000 |
| ZQV 4/4 GE  | 32          | 60   | 1608970000 |
| ZQV 4/10 GE | 32          | 20   | 1609030000 |

| Width [mm]  |                 |
|-------------|-----------------|
| ZAP ZDK4/6S | 2 20 1733240000 |

| Width [mm] |                 |
|------------|-----------------|
| ZHP Z/W BL | 3 20 1745180000 |
| ZHP Z/W SO | 5 20 1781070000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                      |   |            |
|----------------------|---|------------|
| SSCH 10X3X1000 CU/SN | 1 | 0348900000 |
|----------------------|---|------------|

| Width [mm]      |                   |
|-----------------|-------------------|
| ZB 4K BL        | 6.3 50 0475380000 |
| ZB 16K BL       | 10 50 0502880000  |
| ZB 35K BL M6X16 | 14 20 0502680000  |

|       |
|-------|
| DEK 5 |
|-------|

| Type                                          | Qty. | Order No.  |
|-----------------------------------------------|------|------------|
| ZDK 6S/L/L                                    | 25   | 1733260000 |
| Maximum distance between ZHP to ZHP is 200mm. |      |            |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 6/2 GE | 41          | 60   | 1627850000 |
| ZQV 6/3 GE | 41          | 60   | 1627860000 |
| ZQV 6/4 GE | 41          | 60   | 1627870000 |

| Width [mm]  |                 |
|-------------|-----------------|
| ZAP ZDK4/6S | 2 20 1733240000 |

| Width [mm] |                 |
|------------|-----------------|
| ZHP Z/W BL | 3 20 1745180000 |
| ZHP Z/W SO | 5 20 1781070000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 1,0X5,5X150 | 10 | 9008350000 |
|----------------|----|------------|

|                      |   |            |
|----------------------|---|------------|
| SSCH 10X3X1000 CU/SN | 1 | 0348900000 |
|----------------------|---|------------|

| Width [mm]      |                   |
|-----------------|-------------------|
| ZB 4K BL        | 6.3 50 0475380000 |
| ZB 16K BL       | 10 50 0502880000  |
| ZB 35K BL M6X16 | 14 20 0502680000  |

|       |
|-------|
| DEK 8 |
|-------|

# Installation terminals

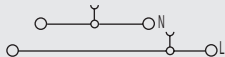
## ZDK 6/S/N/L

6 mm<sup>2</sup>

Neutral conductor - phase



8 x 124 x 50.5  
/ 10  
0.21 ... 10



IEC 60947-7-1

| IEC | UL          | CSA | EN 50019 |
|-----|-------------|-----|----------|
| 400 | 300         |     |          |
| 41  | 38          |     |          |
| 6   | AWG 22 ...8 |     |          |
|     | 6 / 3       |     |          |
|     | A5          |     |          |

### Rated connection

0.5...6  
0.5...6 / 0.5...6  
12 / 1.0 x 5.5

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

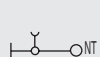
## ZDK 6/S/NT

6 mm<sup>2</sup>

Neutral conductor disconnection



8.1 x 124 x 50.5  
/ 10  
0.33 ... 10



IEC 60947-7-1 / VDE 0611-4

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 250 |          |     |          |
| 41  |          |     |          |
| 6   |          |     |          |
|     | 4 / 3    |     |          |
|     | A5 / V-0 |     |          |

### Rated connection

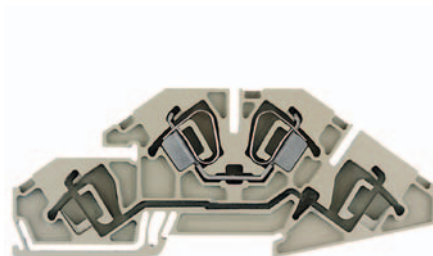
0.5...10  
0.5...6 / 0.5...6  
12 / 5.5 x 1.0

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

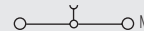
## ZDK 6/S/N

6 mm<sup>2</sup>

Neutral conductor



8.1 x 124 x 50.5  
/ 10  
0.33 ... 10



IEC 60947-7-1

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 400 |          |     |          |
| 41  |          |     |          |
| 6   |          |     |          |
|     | 6 / 3    |     |          |
|     | A5 / V-0 |     |          |

### Rated connection

0.5...10  
0.5...6 / 0.5...6  
12 / 5.5 x 1.0

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type       | Qty. | Order No.  |
|------------|------|------------|
| ZDK 6S/N/L | 25   | 1733490000 |

Maximum distance between ZHP to ZHP is 200mm.

| Type      | Qty. | Order No.  |
|-----------|------|------------|
| ZDK 6S/NT | 25   | 1733250000 |

Maximum distance between ZHP to ZHP is 200mm.

| Type     | Qty. | Order No.  |
|----------|------|------------|
| ZDK 6S/N | 25   | 1733480000 |

Maximum distance between ZHP to ZHP is 200mm.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 6/2 GE | 41          | 60   | 1627850000 |
| ZQV 6/3 GE | 41          | 60   | 1627860000 |
| ZQV 6/4 GE | 41          | 60   | 1627870000 |

| Width [mm]  | Qty. | Order No.  |
|-------------|------|------------|
| ZAP ZDK4/6S | 2    | 1733240000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZHP Z/W BL | 3    | 1745180000 |
| ZHP Z/W SO | 5    | 1781070000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZEW        | 6    | 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 1,0x5,5x150 | 10 | 9008350000 |
|----------------|----|------------|

|                      |   |            |
|----------------------|---|------------|
| SSCH 10X3X1000 CU/SN | 1 | 0348900000 |
|----------------------|---|------------|

| Width [mm]      | Qty. | Order No.  |
|-----------------|------|------------|
| ZB 4K BL        | 6.3  | 0475380000 |
| ZB 16K BL       | 10   | 0502880000 |
| ZB 35K BL M6X16 | 14   | 0502680000 |

DEK 8

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 6/2 GE | 41          | 60   | 1627850000 |
| ZQV 6/3 GE | 41          | 60   | 1627860000 |
| ZQV 6/4 GE | 41          | 60   | 1627870000 |

| Width [mm]  | Qty. | Order No.  |
|-------------|------|------------|
| ZAP ZDK4/6S | 2    | 1733240000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZHP Z/W BL | 3    | 1745180000 |
| ZHP Z/W SO | 5    | 1781070000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZEW        | 6    | 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 1,0x5,5x150 | 10 | 9008350000 |
|----------------|----|------------|

|                      |   |            |
|----------------------|---|------------|
| SSCH 10X3X1000 CU/SN | 1 | 0348900000 |
|----------------------|---|------------|

| Width [mm]      | Qty. | Order No.  |
|-----------------|------|------------|
| ZB 4K BL        | 6.3  | 0475380000 |
| ZB 16K BL       | 10   | 0502880000 |
| ZB 35K BL M6X16 | 14   | 0502680000 |

DEK 8

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 6/2 GE | 41          | 60   | 1627850000 |
| ZQV 6/3 GE | 41          | 60   | 1627860000 |
| ZQV 6/4 GE | 41          | 60   | 1627870000 |

| Width [mm]  | Qty. | Order No.  |
|-------------|------|------------|
| ZAP ZDK4/6S | 2    | 1733240000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZHP Z/W BL | 3    | 1745180000 |
| ZHP Z/W SO | 5    | 1781070000 |

| Width [mm] | Qty. | Order No.  |
|------------|------|------------|
| ZEW        | 6    | 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 1,0x5,5x150 | 10 | 9008350000 |
|----------------|----|------------|

|                      |   |            |
|----------------------|---|------------|
| SSCH 10X3X1000 CU/SN | 1 | 0348900000 |
|----------------------|---|------------|

| Width [mm]      | Qty. | Order No.  |
|-----------------|------|------------|
| ZB 4K BL        | 6.3  | 0475380000 |
| ZB 16K BL       | 10   | 0502880000 |
| ZB 35K BL M6X16 | 14   | 0502680000 |

DEK 8

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2



# Installation terminals

## Distribution terminals with 10x3 bus-bar

Neutral cross-connection with busbar-system  
10 x 3 mm.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

#### Clampable conductors (H05V/H07V)

|                                          |                 |
|------------------------------------------|-----------------|
| Solid / stranded                         | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule  | mm <sup>2</sup> |
| Stripping length/ blade size             | mm / -          |
| Tightening torque range (clamping screw) | Nm              |

#### Information

### Ordering data

| Version |                  |
|---------|------------------|
|         | dark beige Wemid |
|         | blue Wemid       |

#### Information

### Accessories

| Cross-connection                          |                 |
|-------------------------------------------|-----------------|
| (ZQV 2.5N/4 - pluggable) (Q3 - screwable) | 2-pole          |
|                                           | 3-pole          |
|                                           | 4-pole          |
|                                           | 10-pole         |
|                                           | 30-/41-/50-pole |



| End plate / partition |                  |
|-----------------------|------------------|
|                       | dark beige Wemid |
|                       | blue Wemid       |

| Holding plate for 10 x 3 |                                |
|--------------------------|--------------------------------|
|                          | blue Wemid                     |
|                          | for vertical mounting position |



| End bracket |            |
|-------------|------------|
|             | dark beige |

| Screwdriver |                                |
|-------------|--------------------------------|
|             | w. cutting device "swifty set" |
|             | Standard version               |

| Busbar 10 x 3 |                                               |
|---------------|-----------------------------------------------|
|               | Lower edge busbar to upper edge TS35 = 25.5mm |

| Tension clamp for feeding 10 x 3 busbars |                                             |
|------------------------------------------|---------------------------------------------|
|                                          | Rigid / flexible 0.5 - 6 / 4mm <sup>2</sup> |
|                                          | Rigid / flexible 6 - 16mm <sup>2</sup>      |
|                                          | flexible 16 - 35mm <sup>2</sup>             |



| Marking systems (see large assortment in chapter M) |      |
|-----------------------------------------------------|------|
|                                                     | Tags |

For detailed information on additional accessories and usage instructions see chapter accessories.

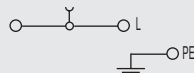
## ZDK 6/S/L/PE

6 mm<sup>2</sup>

### Phase - PE conductor



|                  |  |
|------------------|--|
| 8.1 x 124 x 50.5 |  |
| / 10             |  |
| 0.33 ... 10      |  |



IEC 60947-7-1 (-7-2)

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 400 |          |     |          |
| 41  |          |     |          |
| 6   |          |     |          |
|     | 6 / 3    |     |          |
|     | A5 / V-0 |     |          |

#### Rated connection

|                   |
|-------------------|
| 0.5...10          |
| 0.5...6 / 0.5...6 |
| 12 / 5.5 x 1.0    |

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

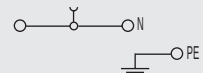
## ZDK 6/S/N/PE

6 mm<sup>2</sup>

### Neutral conductor - PE



|                  |  |
|------------------|--|
| 8.1 x 124 x 50.5 |  |
| / 10             |  |
| 0.21 ... 10      |  |



IEC 60947-7-1 (-7-2)

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 400 |          |     |          |
| 41  |          |     |          |
| 6   |          |     |          |
|     | 6 / 3    |     |          |
|     | A5 / V-0 |     |          |

#### Rated connection

|                   |
|-------------------|
| 0.5...6           |
| 0.5...6 / 0.5...6 |
| 12 / 1.0 x 5.5    |

The feeding of the busbars takes place via a busbar-connection (ZB 35, ZB 16 or ZF 4S).

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZDK 6S/L/PE | 25   | 1733270000 |

Maximum distance between ZHP to ZHP is 200mm.

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZDK 6S/N/PE | 25   | 1733500000 |

Maximum distance between ZHP to ZHP is 200mm.

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 6/2 GE | 41          | 60   | 1627850000 |
| ZQV 6/3 GE | 41          | 60   | 1627860000 |
| ZQV 6/4 GE | 41          | 60   | 1627870000 |

| Width [mm]  |                 |
|-------------|-----------------|
| ZAP ZDK4/6S | 2 20 1733240000 |

| Width [mm] |                 |
|------------|-----------------|
| ZHP Z/W BL | 3 20 1745180000 |
| ZHP Z/W SO | 5 20 1781070000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

| Width [mm]     |               |
|----------------|---------------|
| SD 1,0X5,5X150 | 10 9008350000 |

| Width [mm]           |              |
|----------------------|--------------|
| SSCH 10X3X1000 CU/SN | 1 0348900000 |

| Width [mm]      |                   |
|-----------------|-------------------|
| ZB 4K BL        | 6.3 50 0475380000 |
| ZB 16K BL       | 10 50 0502880000  |
| ZB 35K BL M6X16 | 14 20 0502680000  |

| Width [mm] |  |
|------------|--|
| DEK 8      |  |

| Type       | Current [A] | Qty. | Order No.  |
|------------|-------------|------|------------|
| ZQV 6/2 GE | 41          | 60   | 1627850000 |
| ZQV 6/3 GE | 41          | 60   | 1627860000 |
| ZQV 6/4 GE | 41          | 60   | 1627870000 |

| Width [mm]  |                 |
|-------------|-----------------|
| ZAP ZDK4/6S | 2 20 1733240000 |

| Width [mm] |                 |
|------------|-----------------|
| ZHP Z/W BL | 3 20 1745180000 |
| ZHP Z/W SO | 5 20 1781070000 |

| Width [mm] |                 |
|------------|-----------------|
| ZEW        | 6 20 9540000000 |

| Width [mm]     |               |
|----------------|---------------|
| SD 1,0X5,5X150 | 10 9008350000 |

| Width [mm]           |              |
|----------------------|--------------|
| SSCH 10X3X1000 CU/SN | 1 0348900000 |

| Width [mm]      |                   |
|-----------------|-------------------|
| ZB 4K BL        | 6.3 50 0475380000 |
| ZB 16K BL       | 10 50 0502880000  |
| ZB 35K BL M6X16 | 14 20 0502680000  |

| Width [mm] |  |
|------------|--|
| DEK 8      |  |





## WeiCoS overview

### Pluggable terminals with tension clamp

The inventor of pluggable terminals now presents the next generation.

The need was clearly defined: a means of rapidly and correctly connecting pre-fabricated functional units – such as lamps and door controls, mounting plates and switchgear cabinets – to the existing installation. The solution: Weidmüller's pluggable terminal system.

#### The basic principle is beautifully simple:

One DIN rail terminal for the functional unit and one plug-in connector for producing the cable harness. In the final assembly, the two units are simply snapped into each other – like plug-in connectors. That's all there is to it!

Whether for traffic engineering, mechanical engineering or shipbuilding, Weidmüller's Z series offers all these areas optimum service. It is quick, reliable and simple to connect, ensures trouble-free handling and is practical in system use. Modular and flexible connection technology is required particularly where entire functional units are to be prefabricated or exchanged.

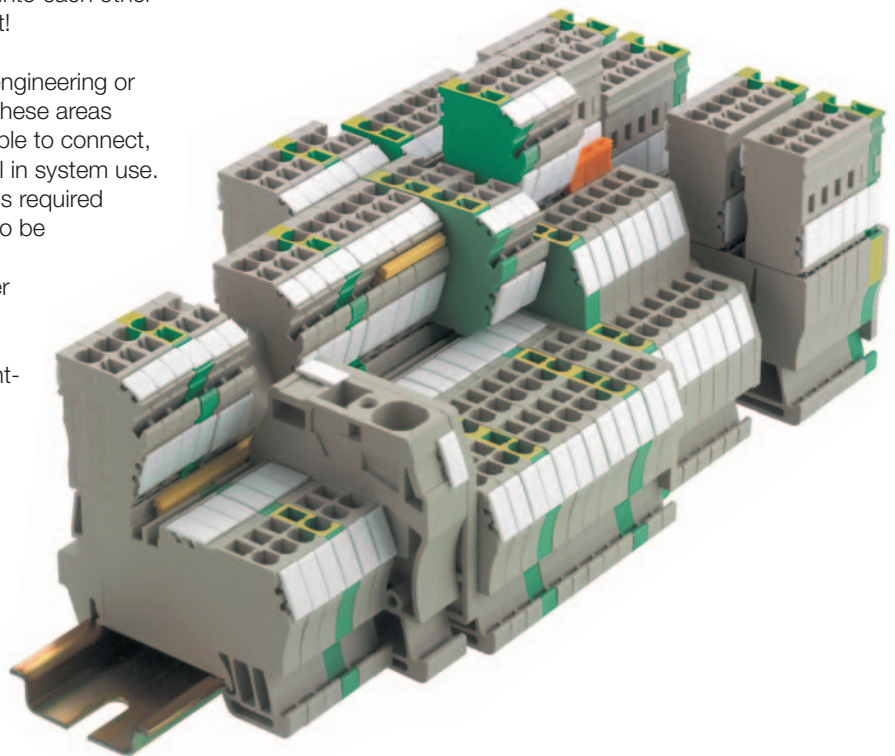
This is where WeiCoS comes in – **Weidmüller Connection System** – the new generation of pluggable terminals. Here Weidmüller has attached great importance to cleverly thought-out technology.

#### The convincing advantages of this technology:

Quick mounting, functional units tested in the factory, quick and easy replacement of functional units.

#### Rational installation of modular components

Modular functional units form the basic elements of production systems according to the modular principle. They bring dramatic reductions in costly final assembly time and allow for rapid replacement during maintenance and servicing. WeiCoS is tailor-made to these applications.



### Product overview

| Rated cross-section                                          | 2.5 mm <sup>2</sup> |
|--------------------------------------------------------------|---------------------|
| <b>Feed-through terminals</b>                                |                     |
| 1 tension spring connection / 1 pluggable connection         | •                   |
| 2 tension spring connections / 1 pluggable connection        | •                   |
| 2 tension spring connections / 2 pluggable connections       | •                   |
| 4 pluggable connections                                      | •                   |
| <b>Protective earth terminals</b>                            |                     |
| 1 tension spring connection / 1 pluggable connection         | •                   |
| 2 tension spring connections / 1 pluggable connection        | •                   |
| 2 tension spring connections / 2 pluggable connections       | •                   |
| 4 pluggable connections                                      | •                   |
| <b>Double level terminals</b>                                |                     |
| Feed-through                                                 | •                   |
| Feed-through / protective earth                              | •                   |
| Protective earth                                             | •                   |
| <b>Plug-in connector</b>                                     |                     |
| 1 tension spring connection without cross-connection channel | •                   |
| 1 tension spring connection with cross-connection channel    | •                   |
| 2 tension spring connections with cross-connection channel   | •                   |

## The tension clamp connection

The terminal has a tension clamp connection which separates electrical and mechanical functions.

- Steel tension clamp provides optimum contact forces
- Copper busbars for low-voltage loss



## Pluggable cross-connections

- 2- to 10-pole or "continuous" for individual assembly
- Full rated current
- Poles can be broken out in order to bypass other terminals
- Up to three potentials possible



## The pluggable connection

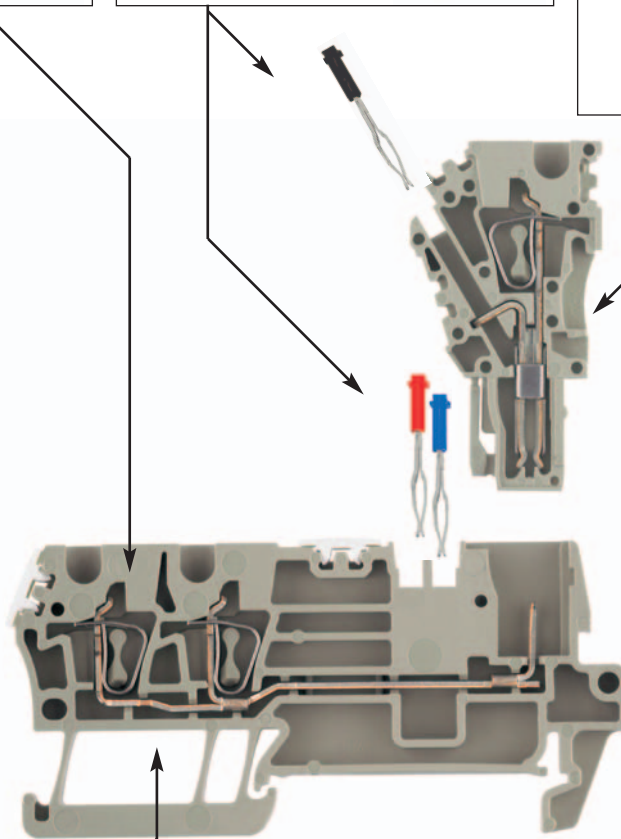
The tensioned contact is also in accordance with Weidmüller's principle of separating electrical and mechanical functions.

- Maintenance-free connection
- 100% vibration proof
- High contact force



## Wemid insulation

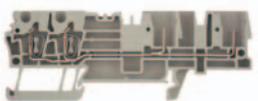
- Resistant to creepage CTI 600
- Temperature resistant up to 120°C
- Flammability class V0 acc. to UL94
- Contains no halogen or phosphorous



## Simple to use

Practical connection with parallel conductor inset and screwdriver actuation:

- No special tools needed
- Integrated test point
- Simple handling with generous clamping range acc. IEC 601984



## Supply

Supply comes from standard Z series terminals or a supply terminal e.g. ZE1 16.

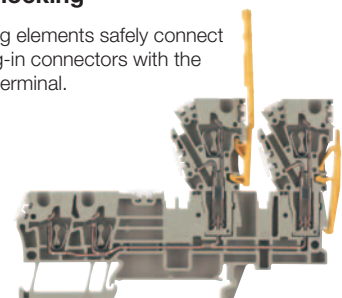


## Safe contacts

- Maintenance-free connection for lifelong safe contact
- Gas-proof contact area
- Surface-treated busbar for protection from oxidation
- 100% vibration proof

## Safe locking

Locking elements safely connect all plug-in connectors with the basic terminal.



# Pluggable terminals

## WeiCoS feed-through terminals

WeiCos - pluggable tension clamp terminals for rated cross-section 0.13 to 4 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Stripping length/ blade size                           | mm / -          |

### Information

### Ordering data

| Base terminal                                                                       |                                                              |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|
|                                                                                     | dark beige Wemid                                             |
| Plug connector                                                                      |                                                              |
|  | Detailed information on all versions in chapter accessories. |
|                                                                                     | 1-pole                                                       |
|                                                                                     | 2-pole                                                       |
|                                                                                     | 3-pole                                                       |
|                                                                                     | 4-pole                                                       |
|                                                                                     | 5-pole                                                       |
|                                                                                     | 6-pole                                                       |
|                                                                                     | 8-pole                                                       |
|                                                                                     | 10-pole                                                      |
| Information                                                                         |                                                              |

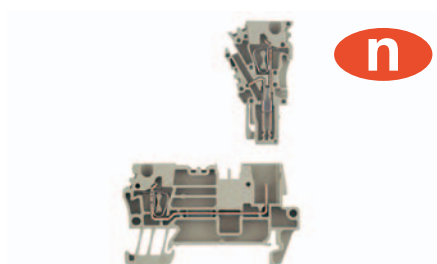
### Accessories

| Cross-connection (pluggable)                                                                       |                                |
|----------------------------------------------------------------------------------------------------|--------------------------------|
|                 | 2-pole                         |
|                                                                                                    | 3-pole                         |
|                                                                                                    | 4-pole                         |
|                                                                                                    | 10-pole                        |
|                                                                                                    | 50-pole                        |
| ZQV 2.5N/4                                                                                         |                                |
| End plate                                                                                          |                                |
|                                                                                                    | dark beige Wemid               |
|                                                                                                    | orange Wemid                   |
| Test adapter                                                                                       |                                |
|                                                                                                    | Standard version               |
|                                                                                                    | With spigot                    |
| Other accessories WeiCos                                                                           |                                |
|                 | Locking element                |
|                                                                                                    | Coding element                 |
|                                                                                                    | Strain relief                  |
| Screwdriver                                                                                        |                                |
|                 | w. cutting device "swifty set" |
|                                                                                                    | Standard version               |
| Marking systems (see large assortment in chapter M)                                                |                                |
|                                                                                                    | Tags                           |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                                |

## ZT 2.5/2AN/1

2.5 mm<sup>2</sup>

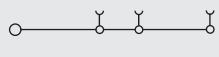
1 tension-spring con. / 1 push-on con.



5.1 x 58 x 35

24 / 4

0.13 ... 4



IEC 60947-7-1 / IEC 61984

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 500 | 300          | 300         |          |
| 24  | 20           | 20          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     |              | 6 / 3       |          |
|     |              | A2 / V-0    |          |



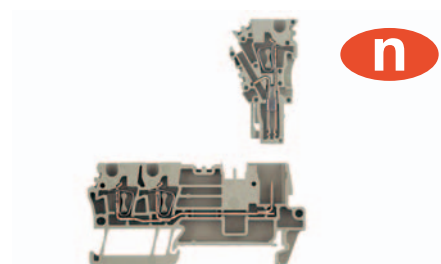
| Rated connection    | Push-on connection  |
|---------------------|---------------------|
| 0.5...4             | 0.5...4             |
| 0.5...4 / 0.5...2.5 | 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5      |                     |

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

## ZT 2.5/3AN/1

2.5 mm<sup>2</sup>

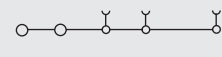
2 tension-spring con. / 1 push-on con.



5.1 x 71.5 x 35

24 / 4

0.13 ... 4



IEC 60947-7-1 / IEC 61984

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 500 | 300          | 300         |          |
| 24  | 20           | 20          |          |
| 2.5 | AWG 12 ...12 | AWG 26...12 |          |
|     |              | 6 / 3       |          |
|     |              | A2 / V-0    |          |



| Rated connection    | Push-on connection  |
|---------------------|---------------------|
| 0.5...4             | 0.5...4             |
| 0.5...4 / 0.5...2.5 | 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5      |                     |

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type             | Qty. | Order No.  |
|------------------|------|------------|
| ZT 2.5/3AN/1     | 50   | 1815090000 |
| Type             |      |            |
| ZP 2.5/1AN/QV/1  | 50   | 1815190000 |
| ZP 2.5/1AN/QV/2  | 25   | 1815200000 |
| ZP 2.5/1AN/QV/3  | 25   | 1815210000 |
| ZP 2.5/1AN/QV/4  | 25   | 1815220000 |
| ZP 2.5/1AN/QV/5  | 25   | 1815230000 |
| ZP 2.5/1AN/QV/6  | 25   | 1815240000 |
| ZP 2.5/1AN/QV/8  | 20   | 1815260000 |
| ZP 2.5/1AN/QV/10 | 20   | 1815280000 |

| Type             | Qty. | Order No.  |
|------------------|------|------------|
| ZT 2.5/2AN/1     | 50   | 1815070000 |
| Type             |      |            |
| ZP 2.5/1AN/QV/1  | 50   | 1815190000 |
| ZP 2.5/1AN/QV/2  | 25   | 1815200000 |
| ZP 2.5/1AN/QV/3  | 25   | 1815210000 |
| ZP 2.5/1AN/QV/4  | 25   | 1815220000 |
| ZP 2.5/1AN/QV/5  | 25   | 1815230000 |
| ZP 2.5/1AN/QV/6  | 25   | 1815240000 |
| ZP 2.5/1AN/QV/8  | 20   | 1815260000 |
| ZP 2.5/1AN/QV/10 | 20   | 1815280000 |

| Current [A]         |     |    |            |
|---------------------|-----|----|------------|
| ZQV 2.5N/2 GE       | 24  | 60 | 1693800000 |
| ZQV 2.5N/3 GE       | 24  | 60 | 1693810000 |
| ZQV 2.5N/4 GE       | 24  | 60 | 1693820000 |
| ZQV 2.5N/10 GE      | 24  | 20 | 1693880000 |
| ZQV 2.5N/50 GE      | 24  | 10 | 1693890000 |
| Width [mm]          |     |    |            |
| ZAP/TW ZT2.5/2AN    | 2.5 | 50 | 1816030000 |
| ZAP/TW ZT2.5/2AN OR | 2.5 | 50 | 1816040000 |
| Type                |     |    |            |
| ZTA ZT2.5           | 25  |    | 1827080000 |
| ZTA ZT2.5/ZA        | 25  |    | 1847600000 |
| Type                |     |    |            |
| ZVR ZP2.5           | 25  |    | 1816130000 |
| KOSF ZT2.5          | 50  |    | 1816150000 |
| ZZE ZP2.5           | 25  |    | 1816140000 |
| Type                |     |    |            |
| SD 0,6X3,5X100      | 10  |    | 9008330000 |

| Current [A]         |     |    |            |
|---------------------|-----|----|------------|
| ZQV 2.5N/2 GE       | 24  | 60 | 1693800000 |
| ZQV 2.5N/3 GE       | 24  | 60 | 1693810000 |
| ZQV 2.5N/4 GE       | 24  | 60 | 1693820000 |
| ZQV 2.5N/10 GE      | 24  | 20 | 1693880000 |
| ZQV 2.5N/50 GE      | 24  | 10 | 1693890000 |
| Width [mm]          |     |    |            |
| ZAP/TW ZT2.5/2AN    | 2.5 | 50 | 1816030000 |
| ZAP/TW ZT2.5/2AN OR | 2.5 | 50 | 1816040000 |
| Type                |     |    |            |
| ZTA ZT2.5           | 25  |    | 1827080000 |
| ZTA ZT2.5/ZA        | 25  |    | 1847600000 |
| Type                |     |    |            |
| ZVR ZP2.5           | 25  |    | 1816130000 |
| KOSF ZT2.5          | 50  |    | 1816150000 |
| ZZE ZP2.5           | 25  |    | 1816140000 |
| Type                |     |    |            |
| SD 0,6X3,5X100      | 10  |    | 9008330000 |

DEK 5 / WS 10/5

DEK 5 / WS 10/5

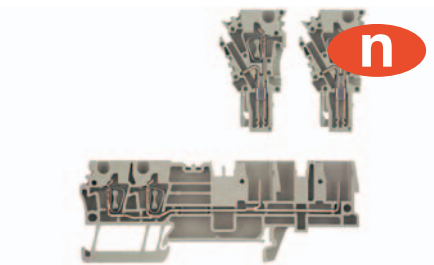
Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# Pluggable terminals

## ZT 2.5/4AN/2

2.5 mm<sup>2</sup>

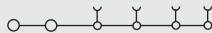
2 tension-spring con. / 2 push-on con.



5.1 x 93 x 35

24 / 4

0.13 ... 4



IEC 60947-7-1 / IEC 61984

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 500 | 300          | 300         |          |
| 24  | 20           | 20          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A2 / V-0     |             |          |



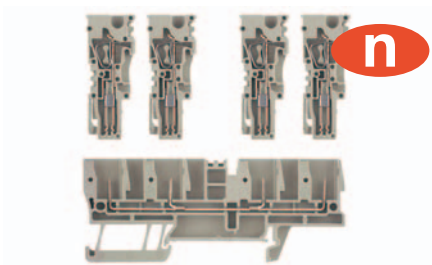
| Rated connection    | Push-on connection  |
|---------------------|---------------------|
| 0.5...4             | 0.5...4             |
| 0.5...4 / 0.5...2.5 | 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5      |                     |

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

## ZT 2.5/4AN/4

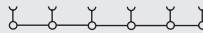
2.5 mm<sup>2</sup>

4 push-on connections



5.1 x 85.5 x 35

24



IEC 60947-7-1 / IEC 61984

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 500 | 300          | 300         |          |
| 24  | 20           | 20          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | / V-0        |             |          |



| Rated connection | Push-on connection  |
|------------------|---------------------|
|                  | 0.5...4             |
|                  | 0.5...4 / 0.5...2.5 |
| / 0.6 x 3.5      |                     |

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type             | Qty. | Order No.  |
|------------------|------|------------|
| ZT 2.5/4AN/2     | 50   | 1815110000 |
| ZP 2.5/1AN/QV/1  | 50   | 1815190000 |
| ZP 2.5/1AN/QV/2  | 25   | 1815200000 |
| ZP 2.5/1AN/QV/3  | 25   | 1815210000 |
| ZP 2.5/1AN/QV/4  | 25   | 1815220000 |
| ZP 2.5/1AN/QV/5  | 25   | 1815230000 |
| ZP 2.5/1AN/QV/6  | 25   | 1815240000 |
| ZP 2.5/1AN/QV/8  | 20   | 1815260000 |
| ZP 2.5/1AN/QV/10 | 20   | 1815280000 |

| Type             | Qty. | Order No.  |
|------------------|------|------------|
| ZT 2.5/4AN/4     | 50   | 1815130000 |
| ZP 2.5/1AN/QV/1  | 50   | 1815190000 |
| ZP 2.5/1AN/QV/2  | 25   | 1815200000 |
| ZP 2.5/1AN/QV/3  | 25   | 1815210000 |
| ZP 2.5/1AN/QV/4  | 25   | 1815220000 |
| ZP 2.5/1AN/QV/5  | 25   | 1815230000 |
| ZP 2.5/1AN/QV/6  | 25   | 1815240000 |
| ZP 2.5/1AN/QV/8  | 20   | 1815260000 |
| ZP 2.5/1AN/QV/10 | 20   | 1815280000 |

| Current [A]           |     |    |            |
|-----------------------|-----|----|------------|
| ZQV 2.5N/2 GE         | 24  | 60 | 1693800000 |
| ZQV 2.5N/3 GE         | 24  | 60 | 1693810000 |
| ZQV 2.5N/4 GE         | 24  | 60 | 1693820000 |
| ZQV 2.5N/10 GE        | 24  | 20 | 1693880000 |
| ZQV 2.5N/50 GE        | 24  | 10 | 1693890000 |
| Width [mm]            |     |    |            |
| ZAP/TW ZT2.5/4AN/2    | 2.5 | 50 | 1816070000 |
| ZAP/TW ZT2.5/4AN/2 OR | 2.5 | 50 | 1816080000 |
| ZTA ZT2.5             | 25  |    | 1827080000 |
| ZTA ZT2.5/ZA          | 25  |    | 1847600000 |
| ZVR ZP2.5             | 25  |    | 1816130000 |
| KOSF ZT2.5            | 50  |    | 1816150000 |
| ZZE ZP2.5             | 25  |    | 1816140000 |

SD 0,6X3,5X100 10 9008330000

DEK 5 / WS 10/5

| Current [A]           |     |    |            |
|-----------------------|-----|----|------------|
| ZQV 2.5N/2 GE         | 24  | 60 | 1693800000 |
| ZQV 2.5N/3 GE         | 24  | 60 | 1693810000 |
| ZQV 2.5N/4 GE         | 24  | 60 | 1693820000 |
| ZQV 2.5N/10 GE        | 24  | 20 | 1693880000 |
| ZQV 2.5N/50 GE        | 24  | 10 | 1693890000 |
| Width [mm]            |     |    |            |
| ZAP/TW ZT2.5/4AN/4    | 2.5 | 50 | 1816090000 |
| ZAP/TW ZT2.5/4AN/4 OR | 2.5 | 50 | 1816100000 |
| ZTA ZT2.5             | 25  |    | 1827080000 |
| ZTA ZT2.5/ZA          | 25  |    | 1847600000 |
| ZVR ZP2.5             | 25  |    | 1816130000 |
| KOSF ZT2.5            | 50  |    | 1816150000 |
| ZZE ZP2.5             | 25  |    | 1816140000 |

SD 0,6X3,5X100 10 9008330000

DEK 5 / WS 10/5

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# Pluggable terminals

## WeiCoS feed-through terminals

WeiCos - pluggable tension clamp terminals for rated cross-section 0.13 to 4 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Stripping length/ blade size                           | mm / -          |

### Information

### Ordering data

| Base terminal                                                                       |                                                              |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|
|                                                                                     | dark beige Wemid                                             |
| Plug connector                                                                      |                                                              |
|  | Detailed information on all versions in chapter accessories. |
|                                                                                     | 1-pole                                                       |
|                                                                                     | 2-pole                                                       |
|                                                                                     | 3-pole                                                       |
|                                                                                     | 4-pole                                                       |
|                                                                                     | 5-pole                                                       |
|                                                                                     | 6-pole                                                       |
|                                                                                     | 8-pole                                                       |
|                                                                                     | 10-pole                                                      |
| Information                                                                         |                                                              |

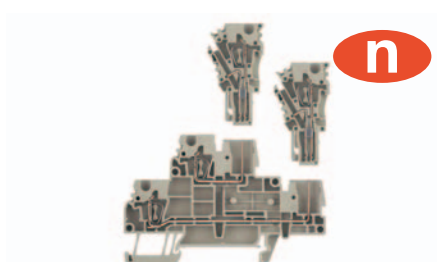
### Accessories

| Cross-connection (pluggable)                                                                       |                                |
|----------------------------------------------------------------------------------------------------|--------------------------------|
|                 | 2-pole                         |
|                                                                                                    | 3-pole                         |
|                                                                                                    | 4-pole                         |
|                                                                                                    | 10-pole                        |
|                                                                                                    | 50-pole                        |
| ZQV 2.5N/4                                                                                         |                                |
| End plate                                                                                          |                                |
|                                                                                                    | dark beige Wemid               |
|                                                                                                    | orange Wemid                   |
| Test adapter                                                                                       |                                |
|                                                                                                    | Standard version               |
|                                                                                                    | With spigot                    |
| Other accessories WeiCos                                                                           |                                |
|                 | Locking element                |
|                                                                                                    | Coding element                 |
|                                                                                                    | Strain relief                  |
| Screwdriver                                                                                        |                                |
|                 | w. cutting device "swifty set" |
|                                                                                                    | Standard version               |
| Marking systems (see large assortment in chapter M)                                                |                                |
|                                                                                                    | Tags                           |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                                |

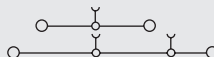
## ZDT 2.5/2

2.5 mm<sup>2</sup>

### Two potentials possible



5.1 x 80.5 x 52.5  
/ 4  
0.13 ... 4



IEC 60947-7-1 / IEC 61984

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 500      | 300          | 300         |          |
| 24       | 20           | 20          |          |
| 2.5      | AWG 26 ...12 | AWG 26...12 |          |
| 6 / 3    |              |             |          |
| A2 / V-0 |              |             |          |



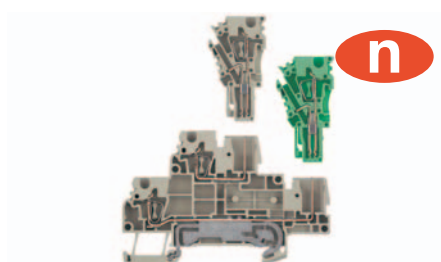
| Rated connection    | Push-on connection  |
|---------------------|---------------------|
| 0.5...4             | 0.5...4             |
| 0.5...4 / 0.5...2.5 | 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5      |                     |

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

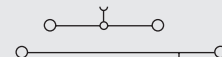
## ZDT 2.5/2 DU-PE

2.5 mm<sup>2</sup>

### Phase - PE conductor



5.1 x 80.5 x 52.5  
24 / 4  
0.13 ... 4



IEC 60947-7-1 (-7-2) / IEC 61984

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 500      | 300          | 300         |          |
| 24       | 20           | 20          |          |
| 2.5      | AWG 26 ...12 | AWG 26...12 |          |
| 6 / 3    |              |             |          |
| A2 / V-0 |              |             |          |



| Rated connection    | Push-on connection  |
|---------------------|---------------------|
| 0.5...4             | 0.5...4             |
| 0.5...4 / 0.5...2.5 | 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5      |                     |

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type             | Qty. | Order No.  |
|------------------|------|------------|
| ZDT 2.5/2        | 50   | 1815150000 |
| ZDT 2.5/2 DU-PE  |      |            |
|                  | 50   | 1815160000 |
| ZP 2.5/1AN/QV/1  | 50   | 1815190000 |
| ZP 2.5/1AN/QV/2  | 25   | 1815200000 |
| ZP 2.5/1AN/QV/3  | 25   | 1815210000 |
| ZP 2.5/1AN/QV/4  | 25   | 1815220000 |
| ZP 2.5/1AN/QV/5  | 25   | 1815230000 |
| ZP 2.5/1AN/QV/6  | 25   | 1815240000 |
| ZP 2.5/1AN/QV/8  | 20   | 1815260000 |
| ZP 2.5/1AN/QV/10 | 20   | 1815280000 |

| Current [A]        |     |    |            |
|--------------------|-----|----|------------|
| ZQV 2.5N/2 GE      | 24  | 60 | 1693800000 |
| ZQV 2.5N/3 GE      | 24  | 60 | 1693810000 |
| ZQV 2.5N/4 GE      | 24  | 60 | 1693820000 |
| ZQV 2.5N/10 GE     | 24  | 20 | 1693880000 |
| ZQV 2.5N/50 GE     | 24  | 10 | 1693890000 |
| Width [mm]         |     |    |            |
| ZAP/TW ZDT2.5/2    | 2.5 | 50 | 1816110000 |
| ZAP/TW ZDT2.5/2 OR | 2.5 | 50 | 1816120000 |
| ZTA ZT2.5          | 25  |    | 1827080000 |
| ZTA ZT2.5/ZA       | 25  |    | 1847600000 |
| ZVR ZP2.5          | 25  |    | 1816130000 |
| KOSF ZT2.5         | 50  |    | 1816150000 |
| ZZE ZP2.5          | 25  |    | 1816140000 |
| SD 0,6X3,5X100     | 10  |    | 9008330000 |
| DEK 5              |     |    |            |





# Pluggable terminals

## WeiCoS PE - terminal

WeiCos - pluggable terminals for conductor cross-sections 0.13 to 4 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated voltage for adjacent terminal                    | V               |
| Rated impulse voltage for adjacent terminal            | kV              |
| Short-time current resistant                           | A               |
| Pollution severity of adjacent terminal                |                 |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Stripping length / blade size                          | mm              |

## Information

## Ordering data

| Base terminal                                                                       |                                                              |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|
|                                                                                     | green/yellow Wemid                                           |
| Plug connector                                                                      |                                                              |
|  | Detailed information on all versions in chapter accessories. |
|                                                                                     | 1-pole                                                       |
|                                                                                     | 2-pole                                                       |
|                                                                                     | 3-pole                                                       |
|                                                                                     | 4-pole                                                       |
|                                                                                     | 5-pole                                                       |
|                                                                                     | 6-pole                                                       |
| (ZP 2.5/1AN/QV/1)                                                                   |                                                              |
| 10-pole                                                                             |                                                              |
| Information                                                                         |                                                              |

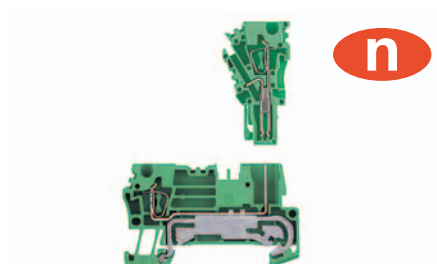
## Accessories

| End plate                                                                                          |                                 |
|----------------------------------------------------------------------------------------------------|---------------------------------|
|                                                                                                    | dark beige Wemid<br>orange PA   |
| Test adapter                                                                                       |                                 |
|                                                                                                    | Standard version<br>With spigot |
| Other accessories                                                                                  |                                 |
|                 | Locking element, yellow         |
|                                                                                                    | Coding element, yellow          |
|                                                                                                    | Strain relief, yellow           |
| Screwdriver                                                                                        |                                 |
|                 | w. cutting device "swifty set"  |
|                                                                                                    | Standard version                |
| Rail support                                                                                       |                                 |
| To arrange mounting rails in insulated systems!                                                    |                                 |
| PEN-bridge                                                                                         |                                 |
| Insertable in distributor TN-S net between N- and PE-terminal                                      |                                 |
| Marking systems (see assortment in chapter N)                                                      |                                 |
|                                                                                                    | Tags                            |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                                 |

## ZTPE 2.5/2AN/1

2.5 mm<sup>2</sup>

1 tension-spring con. / 1 push-on con.



5.1 x 58 x 35  
/ 4  
0.13 ... 4



IEC 60947-7-2

| IEC | UL                           | CSA         | EN 50019 |
|-----|------------------------------|-------------|----------|
| 2.5 | AWG 26 ...12                 | AWG 26...12 |          |
|     | 500                          |             |          |
|     | 6                            |             |          |
|     | 300 A (2.5 mm <sup>2</sup> ) |             |          |
|     | 3                            |             |          |
|     | A2 / V-0                     |             |          |



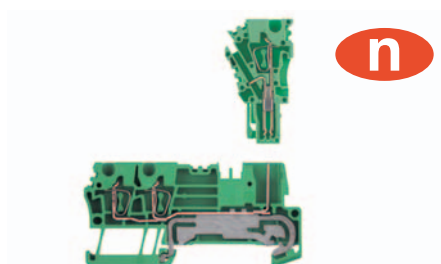
| Rated connection    | Push-on connection  |
|---------------------|---------------------|
| 0.5...4             | 0.5...4             |
| 0.5...4 / 0.5...2.5 | 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5      |                     |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

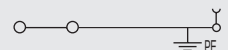
## ZTPE 2.5/3AN/1

2.5 mm<sup>2</sup>

2 tension-spring con. / 1 push-on con.



5.1 x 71.5 x 35  
/ 4  
0.13 ... 4



IEC 60947-7-2

| IEC | UL                           | CSA         | EN 50019 |
|-----|------------------------------|-------------|----------|
| 2.5 | AWG 26 ...12                 | AWG 26...12 |          |
|     | 500                          |             |          |
|     | 6                            |             |          |
|     | 300 A (2.5 mm <sup>2</sup> ) |             |          |
|     | 3                            |             |          |
|     | A2 / V-0                     |             |          |



| Rated connection    | Push-on connection  |
|---------------------|---------------------|
| 0.5...4             | 0.5...4             |
| 0.5...4 / 0.5...2.5 | 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5      |                     |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type               | Qty. | Order No.  |
|--------------------|------|------------|
| ZTPE 2.5/2AN/1     | 50   | 1815080000 |
| ZP 2.5/1AN/QV/1 GN | 50   | 1820570000 |
|                    |      |            |
|                    |      |            |
|                    |      |            |
|                    |      |            |
|                    |      |            |
|                    |      |            |

| Type               | Qty. | Order No.  |
|--------------------|------|------------|
| ZTPE 2.5/3AN/1     | 50   | 1815100000 |
| ZP 2.5/1AN/QV/1 GN | 50   | 1820570000 |
|                    |      |            |
|                    |      |            |
|                    |      |            |
|                    |      |            |
|                    |      |            |
|                    |      |            |

| Width [mm]          |     |    |            |
|---------------------|-----|----|------------|
| ZAP/TW ZT2.5/2AN    | 2.5 | 50 | 1816030000 |
| ZAP/TW ZT2.5/2AN OR | 2.5 | 50 | 1816040000 |
| ZTA ZT2.5           | 25  |    | 1827080000 |
| ZTA ZT2.5/ZA        | 25  |    | 1847600000 |
| ZVR ZP2.5           | 25  |    | 1816130000 |
| KOSF ZT2.5          | 50  |    | 1816150000 |
| ZZE ZP2.5           | 25  |    | 1816140000 |
| SD 0,6X3,5X100      | 10  |    | 9008330000 |
| SH 2                | 10  |    | 0494920000 |
| DEK 5 / WS 10/5     |     |    |            |

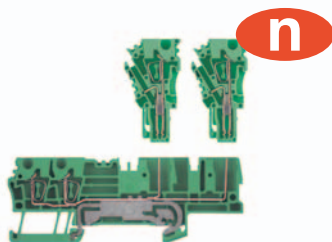
| Width [mm]          |     |    |            |
|---------------------|-----|----|------------|
| ZAP/TW ZT2.5/3AN    | 2.5 | 50 | 1816050000 |
| ZAP/TW ZT2.5/3AN OR | 2.5 | 50 | 1816060000 |
| ZTA ZT2.5           | 25  |    | 1827080000 |
| ZTA ZT2.5/ZA        | 25  |    | 1847600000 |
| ZVR ZP2.5           | 25  |    | 1816130000 |
| KOSF ZT2.5          | 50  |    | 1816150000 |
| ZZE ZP2.5           | 25  |    | 1816140000 |
| SD 0,6X3,5X100      | 10  |    | 9008330000 |
| SH 2                | 10  |    | 0494920000 |
| DEK 5 / WS 10/5     |     |    |            |

# Pluggable terminals

## ZTPE 2.5/4AN/2

2.5 mm<sup>2</sup>

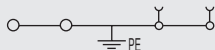
2 tension-spring con. / 2 push-on con.



5.1 x 93 x 35

/ 4

0.13 ... 4



IEC 60947-7-2

| IEC | UL           | CSA                          | EN 50019 |
|-----|--------------|------------------------------|----------|
| 2.5 | AWG 26 ...12 | AWG 26...12                  |          |
|     |              | 500                          |          |
|     |              | 6                            |          |
|     |              | 300 A (2.5 mm <sup>2</sup> ) |          |
|     |              | 3                            |          |
|     |              | A2 / V-0                     |          |



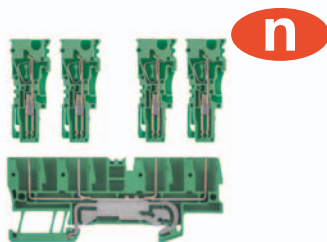
| Rated connection    | Push-on connection  |
|---------------------|---------------------|
| 0.5...4             | 0.5...4             |
| 0.5...4 / 0.5...2.5 | 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5      |                     |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

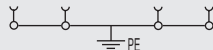
## ZTPE 2.5/4AN/4

2.5 mm<sup>2</sup>

4 push-on connections



5.1 x 85.5 x 35



IEC 60947-7-2

| IEC | UL | CSA                          | EN 50019 |
|-----|----|------------------------------|----------|
| 2.5 |    |                              |          |
|     |    | 500                          |          |
|     |    | 6                            |          |
|     |    | 300 A (2.5 mm <sup>2</sup> ) |          |
|     |    | 3                            |          |
|     |    | A2 / V-0                     |          |



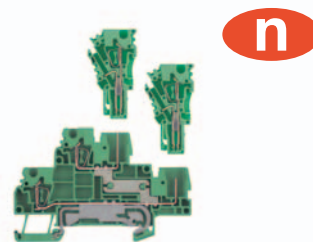
| Rated connection | Push-on connection  |
|------------------|---------------------|
|                  | 0.5...4             |
|                  | 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5   |                     |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

## ZDT 2.5/2 PE

2.5 mm<sup>2</sup>

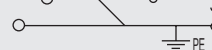
2 tension-spring con./ 2 push-on con.



5.1 x 80.5 x 52.5

/ 4

0.13 ... 4



IEC 60947-7-2

| IEC | UL           | CSA                          | EN 50019 |
|-----|--------------|------------------------------|----------|
| 2.5 | AWG 26 ...12 | AWG 26...12                  |          |
|     |              | 500                          |          |
|     |              | 6                            |          |
|     |              | 300 A (2.5 mm <sup>2</sup> ) |          |
|     |              | 3                            |          |
|     |              | A2 / V-0                     |          |



| Rated connection    | Push-on connection  |
|---------------------|---------------------|
| 0.5...4             | 0.5...4             |
| 0.5...4 / 0.5...2.5 | 0.5...4 / 0.5...2.5 |
| 10 / 0.6 x 3.5      |                     |

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type               | Qty. | Order No.  |
|--------------------|------|------------|
| ZTPE 2.5/4AN/2     | 50   | 1815120000 |
| ZP 2.5/1AN/QV/1 GN | 50   | 1820570000 |
|                    |      |            |
|                    |      |            |
|                    |      |            |
|                    |      |            |
|                    |      |            |

| Type               | Qty. | Order No.  |
|--------------------|------|------------|
| ZTPE 2.5/4AN/4     | 50   | 1815140000 |
| ZP 2.5/1AN/QV/1 GN | 50   | 1820570000 |
|                    |      |            |
|                    |      |            |
|                    |      |            |
|                    |      |            |
|                    |      |            |

| Type               | Qty. | Order No.  |
|--------------------|------|------------|
| ZDT 2.5/2 PE       | 50   | 1815170000 |
| ZP 2.5/1AN/QV/1 GN | 50   | 1820570000 |
|                    |      |            |
|                    |      |            |
|                    |      |            |
|                    |      |            |
|                    |      |            |

| Width [mm]            |     |    |            |
|-----------------------|-----|----|------------|
| ZAP/TW ZT2.5/4AN/2    | 2.5 | 50 | 1816070000 |
| ZAP/TW ZT2.5/4AN/2 OR | 2.5 | 50 | 1816080000 |
| ZTA ZT2.5             | 25  |    | 1827080000 |
| ZTA ZT2.5/ZA          | 25  |    | 1847600000 |
| ZVR ZP2.5             | 25  |    | 1816130000 |
| KOSF ZT2.5            | 50  |    | 1816150000 |
| ZZE ZP2.5             | 25  |    | 1816140000 |
| SD 0,6X3,5X100        | 10  |    | 9008330000 |
| SH 2                  | 10  |    | 0494920000 |
| DEK 5 / WS 10/5       |     |    |            |

| Width [mm]            |     |    |            |
|-----------------------|-----|----|------------|
| ZAP/TW ZT2.5/4AN/4    | 2.5 | 50 | 1816090000 |
| ZAP/TW ZT2.5/4AN/4 OR | 2.5 | 50 | 1816100000 |
| ZTA ZT2.5             | 25  |    | 1827080000 |
| ZTA ZT2.5/ZA          | 25  |    | 1847600000 |
| ZVR ZP2.5             | 25  |    | 1816130000 |
| KOSF ZT2.5            | 50  |    | 1816150000 |
| ZZE ZP2.5             | 25  |    | 1816140000 |
| SD 0,6X3,5X100        | 10  |    | 9008330000 |
| SH 2                  | 10  |    | 0494920000 |
| DEK 5 / WS 10/5       |     |    |            |

| Width [mm]         |     |    |            |
|--------------------|-----|----|------------|
| ZAP/TW ZDT2.5/2    | 2.5 | 50 | 1816110000 |
| ZAP/TW ZDT2.5/2 OR | 2.5 | 50 | 1816120000 |
| ZTA ZT2.5          | 25  |    | 1827080000 |
| ZTA ZT2.5/ZA       | 25  |    | 1847600000 |
| ZVR ZP2.5          | 25  |    | 1816130000 |
| KOSF ZT2.5         | 50  |    | 1816150000 |
| ZZE ZP2.5          | 25  |    | 1816140000 |
| SD 0,6X3,5X100     | 10  |    | 9008330000 |
| SH 2               | 10  |    | 0494920000 |
| DEK 5 / WS 10/5    |     |    |            |

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# Pluggable terminals

## Modular, pluggable terminal

Z- standard families offer solutions for conductor cross-sections of 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

## Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Stripping length/ blade size                           | mm / -          |

## Information

## Ordering data

| Base terminal |               |
|---------------|---------------|
|               | Base terminal |
|               | Plug          |
| Information   |               |

## Accessories

| Cross-connection, pluggable                                                         |                                                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------|
| Only for signal-level of base-terminal                                              | 2-pole                                          |
|                                                                                     | 3-pole                                          |
|                                                                                     | 4-pole                                          |
| ZQV 2.5/2                                                                           | 10-pole                                         |
|                                                                                     | 50-pole                                         |
| End plate / partition                                                               |                                                 |
|                                                                                     | dark beige Wemid                                |
| Operating tool                                                                      |                                                 |
|  | Screwdriver                                     |
|  | Crimping pliers                                 |
| SD 0.6x3.5                                                                          | removal tool                                    |
| Reducing sleeves                                                                    |                                                 |
|                                                                                     | for conductors < 0.2 mm <sup>2</sup> / < AWG 24 |
|                                                                                     | for conductors < 0.5 mm <sup>2</sup> / < AWG 20 |
|                                                                                     | for conductors < 1.0 mm <sup>2</sup> / < AWG 18 |
| Crimping contact                                                                    |                                                 |
|                                                                                     | 0.2 ... 0.35 mm                                 |
|                                                                                     | 0.5 ... 1.0 mm                                  |

## Marking systems (see large assortment in chapter M)

Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

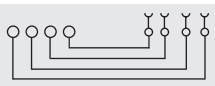
## ZRV 1.5

1.5 mm<sup>2</sup>

### Base terminal - plug (crimp contact)



5.1 x 89.5 x 52  
/ 2.5  
0.33 ... 2.5



IEC 60947-7-1 / VDE 0627

| IEC | UL           | CSA | EN 50019 |
|-----|--------------|-----|----------|
| 63  | 150          |     |          |
| 4   | 10           |     |          |
| 1.5 | AWG 26 ...14 |     |          |
|     | 1.5 / 3      |     |          |
|     | A1 / V-0     |     |          |



| Rated connection      | Crimp connection |
|-----------------------|------------------|
| 0.5...2.5             |                  |
| 0.5...2.5 / 0.5...1.5 | 0.2...1          |
| 8 / 0.6 x 3.5         |                  |

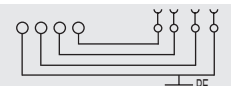
## ZRV 1,5/PE

1.5 mm<sup>2</sup>

### Base terminal - plug (crimp contact)



5.1 x 89.5 x 52  
/ 2.5  
0.33 ... 2.5



IEC 60947-7-1 (-7-2) / VDE 0627

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 63  |              |             |          |
| 4   |              |             |          |
| 1.5 | AWG 26 ...14 | AWG 26...14 |          |
|     | 1.5 / 3      |             |          |
|     | A1 / V-0     |             |          |

| Rated connection      | Crimp connection |
|-----------------------|------------------|
| 0.5...2.5             |                  |
| 0.5...2.5 / 0.5...1.5 | 0.2...1          |
| 8 / 0.6 x 3.5         |                  |

## Information

| Type                | Qty. | Order No.  |
|---------------------|------|------------|
| ZRV 1.5/PE          | 50   | 1698170000 |
| STGH 4 ZRV1.5/PE GN | 50   | 1698200000 |
| Information         |      |            |

| Type                 | Current [A] | Qty. | Order No.  |
|----------------------|-------------|------|------------|
| ZQV 2.5/2            | 24          | 60   | 1608860000 |
| ZQV 2.5/3            | 24          | 60   | 1608870000 |
| ZQV 2.5/4            | 24          | 60   | 1608880000 |
| ZQV 2.5/10           | 24          | 20   | 1608940000 |
| ZQV 2.5/50           | 24          | 10   | 1697540000 |
| Width [mm]           |             |      |            |
| AP ZRV1.5 DB         | 5.1         | 10   | 1698180000 |
| Operating tool       |             |      |            |
| SD 0,6X3,5X100       |             | 10   | 9008330000 |
| HTF-ZRV              |             | 1    | 9014840000 |
| Reducing sleeves     |             |      |            |
| ZRH 1.5N/1           |             | 100  | 1632140000 |
| ZRH 1.5N/2           |             | 100  | 1632130000 |
| ZRH 1.5N/3           |             | 100  | 1632120000 |
| Crimping contact     |             |      |            |
| DFFC 0.2-0.35 ZRV1.5 |             | 500  | 1705310000 |
| DFFC .5-1.0 ZRV1.5   |             | 500  | 1705320000 |

DEK 5

For detailed information on additional accessories and usage instructions see chapter accessories.



# Modular distribution assembly system

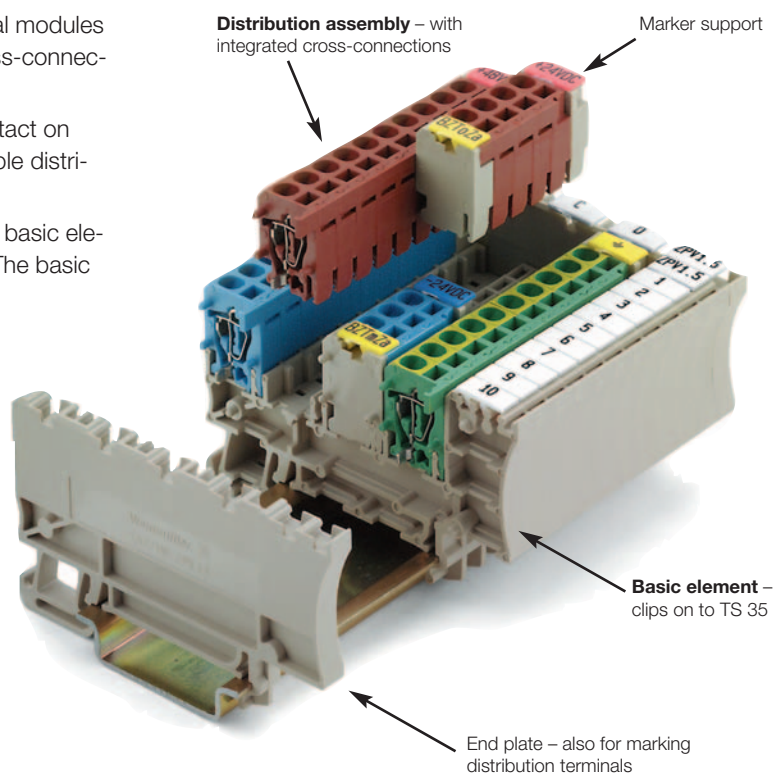
## System for potential distribution

This modular system is based on the in-row individual modules of the distribution assembly with their integrated cross-connection.

The female contact is on one side, and the male contact on the other. The modular slice structure results in variable distribution assemblies depending on the application.

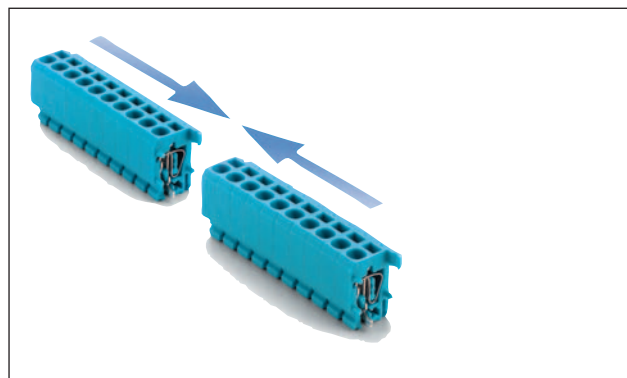
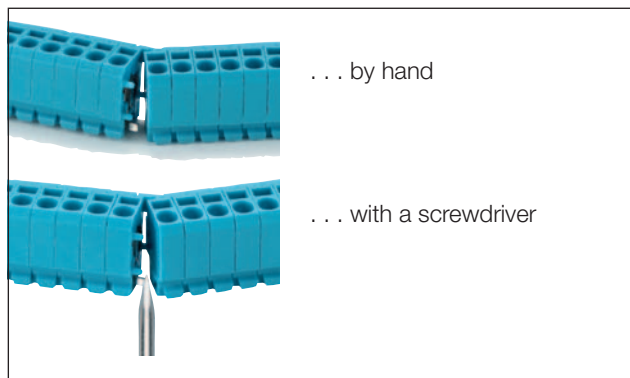
The supports for these module combinations are the basic elements which simply clip onto TS-35 mounting rails. The basic elements are available in various different versions:

- Simple support elements without electric function (ZPV 1.5)
- Basic elements for supplying initiators and actors as 3- or 4-core connection

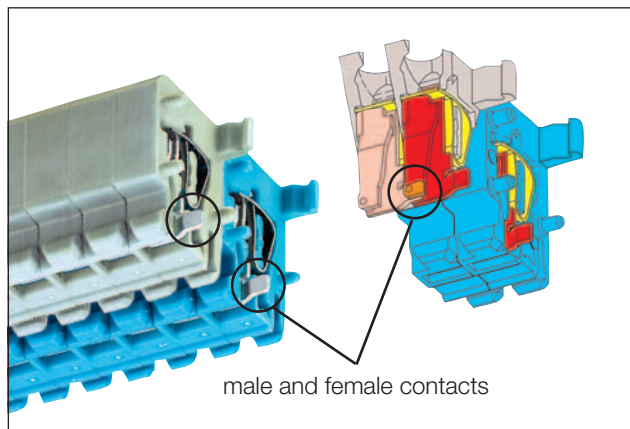


## ZPV 1.5 – for easy assembly of variable pole numbers

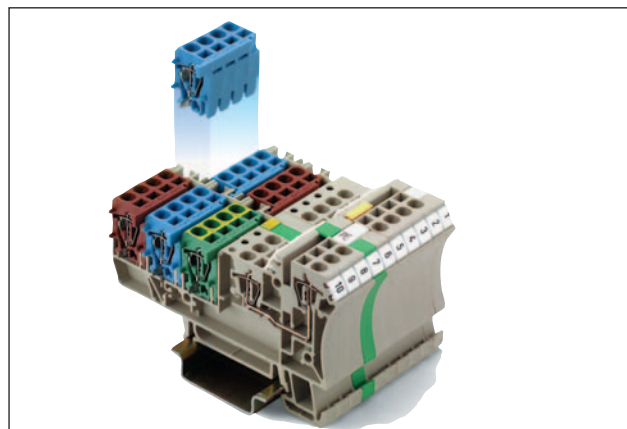
- Easily separated
- Easily plugged into each other



- Integrated cross-connection



- Clips onto the basic elements by hand



# Modular distribution assembly system

## Supplying initiators and actuators

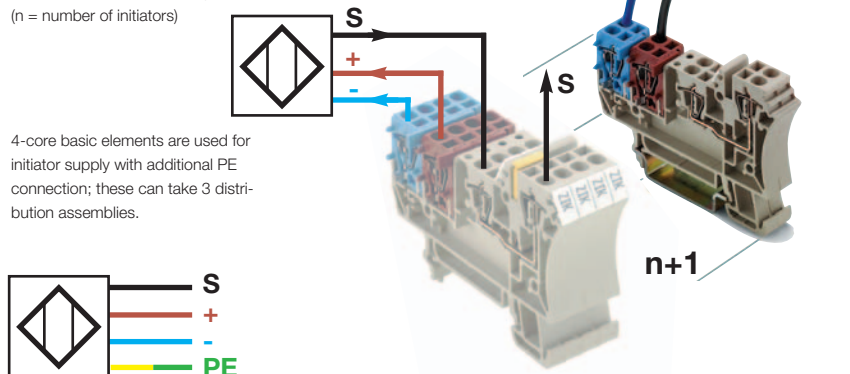
The modular distribution assembly is a convenient way of supplying power to initiators and actuators.

An additional basic element is used as a supply element which distributes the power to individual consumers across the cross-connected distribution assembly.

The control or information signal (S) is forwarded via the two clamping points of the basic elements. These can also be supplied optionally with an LED for status display.

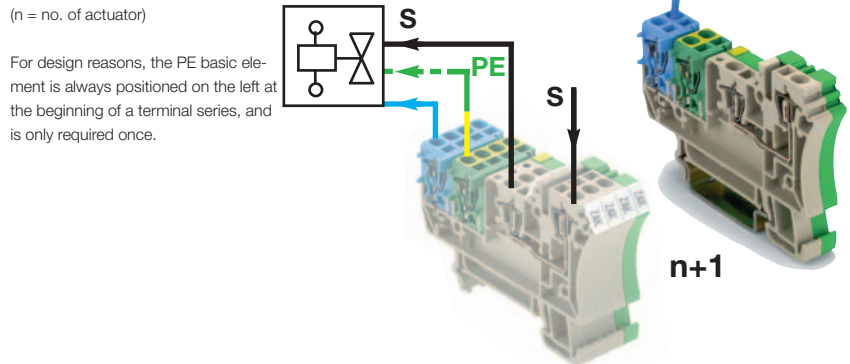
### Initiator supply

via 1 additional standard basic element  
 =>  $n + 1$  basic element  
 =>  $n + 1$  distribution assembly element for each circuit path  
 ( $n$  = number of initiators)



### Actuator supply

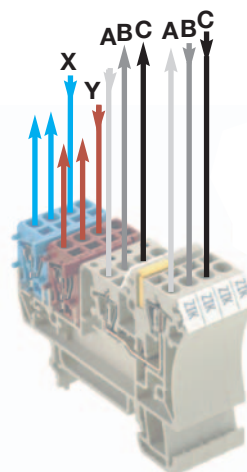
via 1 additional standard basic element  
 =>  $n + 1$  basic element  
 =>  $n + 1$  distribution assembly element for each circuit path  
 ( $n$  = no. of actuator)



Or:

**Combined feed-through terminal (A, B, C) and potential distribution terminal (X, Y)**

Distribution assembly elements without male and female contacts and cross-connections for the feed-through terminal part make possible a great many different wiring solutions.





# Initiator and actuator terminals

## Initiator and actuator terminals

The modular distribution strip system

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                 |
|-----------------------------------------|-----------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm              |
| Max. current / max. cond. cross-section |                 |
| Max. clamping range                     | mm <sup>2</sup> |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| LED-Voltage / LED-current / switching state            | V / A / -       |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Stripping length / blade size                          | mm / -          |

### Information

### Ordering data

| Base terminal                                 |                    |
|-----------------------------------------------|--------------------|
| Base terminal                                 | Base terminal      |
| Base terminal with LED                        | PE-base terminal   |
| Modular distribution strip                    |                    |
| ZIK-ZAK distribution strip ZVL 1.5 dark beige |                    |
| Wemid                                         | brown wemid        |
|                                               | blue Wemid         |
|                                               | green/yellow Wemid |
| (without pin/without socket)                  | dark beige Wemid   |
| Information                                   |                    |

### Accessories

| Cross-connection, pluggable                                                                        |  | 2-pole                                          |
|----------------------------------------------------------------------------------------------------|--|-------------------------------------------------|
| Only for signal-level of base-terminal                                                             |  | 2-pole                                          |
|                                                                                                    |  | 3-pole                                          |
|                                                                                                    |  | 4-pole                                          |
| ZQV 2.5/2                                                                                          |  | 10-pole                                         |
|                                                                                                    |  | 50-pole                                         |
| End plate / partition                                                                              |  | dark beige Wemid                                |
| Screwdriver                                                                                        |  | Standard version                                |
| Reducing sleeves                                                                                   |  | for conductors < 0.5 mm <sup>2</sup> / < AWG 20 |
|                                                                                                    |  | for conductors < 1.0 mm <sup>2</sup> / < AWG 18 |
| Tag mount for modular distribution strip                                                           |  | without spigot                                  |
|                                                                                                    |  | With spigot                                     |
| Marking systems (see large assortment in chapter M)                                                |  | Tags                                            |
| For detailed information on additional accessories and usage instructions see chapter accessories. |  |                                                 |

## ZPV 1.5

1.5 mm<sup>2</sup>

### Base element



6.7 x 67.8 x 38

IEC 60947-7-1

| IEC  | UL           | CSA         | EN 50019 |
|------|--------------|-------------|----------|
| 250  | 300          | 300         |          |
| 17.5 | 10           | 10          |          |
| 1.5  | AWG 26 ...14 | AWG 26...14 |          |
|      |              | 4 / 3       |          |
|      |              | / V-0       |          |



### Rated connection

|  |
|--|
|  |
|  |
|  |

## ZIA 1.5/3 L...

1.5 mm<sup>2</sup>

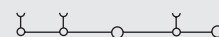
### Base element 3-wire



5.08 x 68.5 x 46

/ 2.5

0.13 ... 2.5



IEC 60947-7-1

| IEC  | UL           | CSA         | EN 50019 |
|------|--------------|-------------|----------|
| 250  | 300          | 300         |          |
| 17.5 | 10           | 10          |          |
| 1.5  | AWG 26 ...14 | AWG 26...14 |          |
|      |              | 4 / 3       |          |
|      |              | A1 / V-0    |          |

### Rated connection

|                       |
|-----------------------|
| 0.5...2.5             |
| 0.5...2.5 / 0.5...1.5 |
| 8 / 3.5 x 0.6         |

Bidirectional LED in ZIA 1.5/3L-1/LD (1651990000)

| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
| ZIA 1.5/3L-1S        | 100  | 1651980000 |
| ZIA 1.5/3L-1S/LD     | 50   | 1651990000 |
| ZIA 1.5/3L-PE        | 20   | 1652000000 |
| Type                 | Qty. | Order No.  |
| ZVL 1.5              | 100  | 1649300000 |
| ZVL 1.5 BR           | 100  | 1650370000 |
| ZVL 1.5 BL           | 100  | 1650360000 |
| ZVL 1.5/PE GN/GE BED | 100  | 1651970000 |
| ZVL 1.5 O.QV         | 100  | 1711930000 |

| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
| ZPV 1.5              | 100  | 1676630000 |
| Type                 | Qty. | Order No.  |
| ZVL 1.5              | 100  | 1649300000 |
| ZVL 1.5 BR           | 100  | 1650370000 |
| ZVL 1.5 BL           | 100  | 1650360000 |
| ZVL 1.5/PE GN/GE BED | 100  | 1651970000 |
| ZVL 1.5 O.QV         | 100  | 1711930000 |

| Type            | Current [A] | Qty. | Order No.  |
|-----------------|-------------|------|------------|
|                 |             |      |            |
|                 |             |      |            |
|                 |             |      |            |
|                 |             |      |            |
| Width [mm]      |             |      |            |
| ZAP/TW ZPV1.5   | 5.08        | 50   | 1674650000 |
|                 |             |      |            |
| SD 0,6X3,5X100  |             | 10   | 9008330000 |
|                 |             |      |            |
|                 |             |      |            |
|                 |             |      |            |
|                 |             |      |            |
| Width [mm]      |             |      |            |
| ZAP/TWZIA1.5/3L | 5.08        |      | 1649540000 |
|                 |             |      |            |
| SD 0,6X3,5X100  |             | 10   | 9008330000 |
|                 |             |      |            |
| ZRH 1.5N/1      |             | 100  | 1632140000 |
| ZRH 1.5N/2      |             | 100  | 1632130000 |
|                 |             |      |            |
|                 |             |      |            |
|                 |             |      |            |
| Width [mm]      |             |      |            |
|                 |             |      |            |
| DEK 5 / WS 12/5 |             |      |            |
|                 |             |      |            |

| Type            | Current [A] | Qty. | Order No.  |
|-----------------|-------------|------|------------|
| ZQV 2.5/2       | 24          | 60   | 1608860000 |
| ZQV 2.5/3       | 24          | 60   | 1608870000 |
| ZQV 2.5/4       | 24          | 60   | 1608880000 |
| ZQV 2.5/10      | 24          | 20   | 1608940000 |
| ZQV 2.5/50      | 24          | 10   | 1697540000 |
| Width [mm]      |             |      |            |
| ZAP/TWZIA1.5/3L | 5.08        |      | 1649540000 |
|                 |             |      |            |
| SD 0,6X3,5X100  |             | 10   | 9008330000 |
|                 |             |      |            |
| ZRH 1.5N/1      |             | 100  | 1632140000 |
| ZRH 1.5N/2      |             | 100  | 1632130000 |
|                 |             |      |            |
|                 |             |      |            |
|                 |             |      |            |
| Width [mm]      |             |      |            |
|                 |             |      |            |
| DEK 5           |             |      |            |
|                 |             |      |            |



# Initiator and actuator terminals

## ZIA 1.5/4 L...

1.5 mm<sup>2</sup>

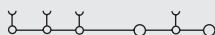
Base element 4-wire



5.08 x 68.5 x 46

/ 2.5

0.13 ... 2.5



IEC 60947-7-1

| IEC  | UL           | CSA         | EN 50019 |
|------|--------------|-------------|----------|
| 250  | 300          | 300         |          |
| 17.5 | 10           | 10          |          |
| 1.5  | AWG 26 ...14 | AWG 26...14 |          |
|      | 4 / 3        |             |          |
|      | A1 / V-0     |             |          |

Rated connection

0.5...2.5

0.5...2.5 / 0.5...2.5

8 / 3.5 x 0.6

Bidirectional LED in ZIA 1.5/4L-1/LD (1652020000)

## ZVL 1.5

1.5 mm<sup>2</sup>

Distribution strip



5.08 x 12.9 x 17.45

/ 2.5

0.13 ... 2.5



IEC 60947-7-1

| IEC  | UL           | CSA         | EN 50019 |
|------|--------------|-------------|----------|
| 250  | 300          | 300         |          |
| 17.5 | 10           | 10          |          |
| 1.5  | AWG 26 ...14 | AWG 26...14 |          |
|      | 4 / 3        |             |          |
|      | A2 / V-0     |             |          |



Rated connection

0.5...2.5

0.5...2.5 / 0.5...1.5

7 / 3.5 x 0.6

| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
| ZIA 1.5/4L-1S        | 100  | 1652010000 |
| ZIA 1.5/4L-1S/LD     | 50   | 1652020000 |
| ZIA 1.5/4L-PE        | 20   | 1652030000 |
| Type                 | Qty. | Order No.  |
| ZVL 1.5              | 100  | 1649300000 |
| ZVL 1.5 BR           | 100  | 1650370000 |
| ZVL 1.5 BL           | 100  | 1650360000 |
| ZVL 1.5/PE GN/GE BED | 100  | 1651970000 |
| ZVL 1.5 O.QV         | 100  | 1711930000 |

| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
|                      |      |            |
|                      |      |            |
| Type                 | Qty. | Order No.  |
| ZVL 1.5              | 100  | 1649300000 |
| ZVL 1.5 BR           | 100  | 1650370000 |
| ZVL 1.5 BL           | 100  | 1650360000 |
| ZVL 1.5/PE GN/GE BED | 100  | 1651970000 |
| ZVL 1.5 O.QV         | 100  | 1711930000 |

| Type            | Current [A] | Qty. | Order No.  |
|-----------------|-------------|------|------------|
| ZQV 2.5/2       | 24          | 60   | 1608860000 |
| ZQV 2.5/3       | 24          | 60   | 1608870000 |
| ZQV 2.5/4       | 24          | 60   | 1608880000 |
| ZQV 2.5/10      | 24          | 20   | 1608940000 |
| ZQV 2.5/50      | 24          | 10   | 1697540000 |
| Width [mm]      |             |      |            |
| ZAP/TWZIA1.5/4L | 5.08        |      | 1649550000 |

|                |     |            |
|----------------|-----|------------|
| SD 0,6X3,5X100 | 10  | 9008330000 |
| ZRH 1.5N/1     | 100 | 1632140000 |
| ZRH 1.5N/2     | 100 | 1632130000 |

DEK 5

| Type            | Current [A] | Qty. | Order No.  |
|-----------------|-------------|------|------------|
|                 |             |      |            |
|                 |             |      |            |
|                 |             |      |            |
| Width [mm]      |             |      |            |
|                 |             |      |            |
| SD 0,6X3,5X100  |             | 10   | 9008330000 |
|                 |             |      |            |
| ZRH 1.5N/1      |             | 100  | 1632140000 |
| ZRH 1.5N/2      |             | 100  | 1632130000 |
|                 |             |      |            |
| BZT ZVL1.5/O.ZA |             |      | 1676620000 |
| BZT ZVL1.5      |             |      | 1676610000 |

DEK 5

Integrated cross-connections

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

## Mini-terminals

### Modular design ...

This mini-terminal family in tension clamp technology can be used to assemble individual blocks with 2- and 4-pole terminals.

Individual blocks are put together from **middle terminals** and an end plate for the open side.

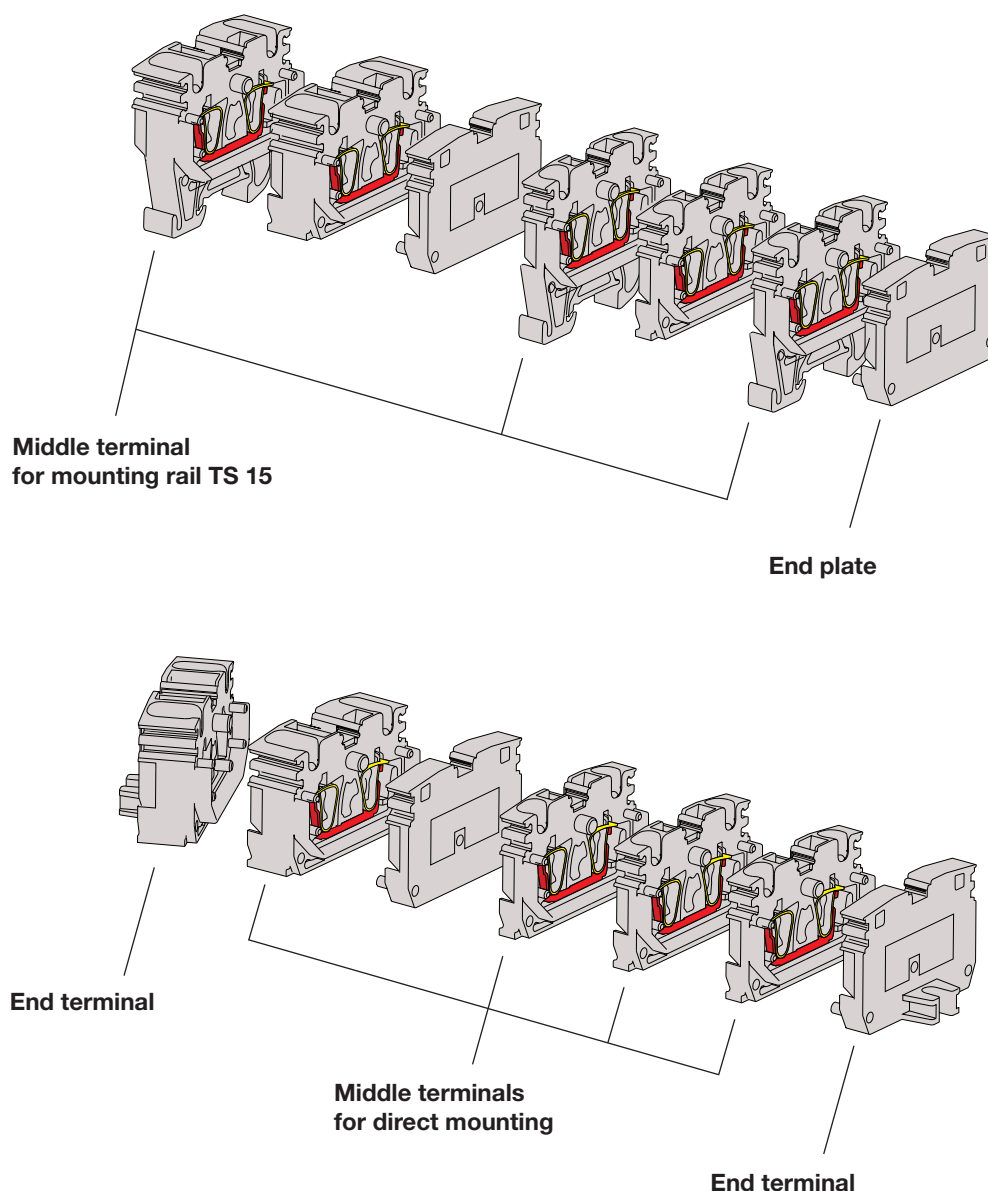
Screw fastening involves the first middle terminal and the **end plate** being replaced by end terminals for fastening purposes. With the other fastening variations, **middle terminals with means of fastening** are integrated within the block or a **mounting foot (MOFU)** is used for fitting to the mounting rail.

An individual colour scheme for individual connection groups allows visual differentiation between different circuits.

With a structural width of only 5 mm (2 connections) or 10 mm (4 connections), the TOP connection technology guarantees clearly organised wiring of circuits, even in terminal boxes with restricted space.

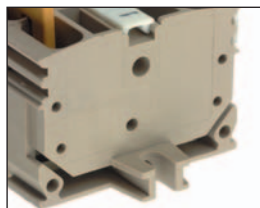
There are three different marking options for quick and clear identification of each terminal.

Made of Weidmüller's top quality WEMID insulation, all block terminals comply with requirements for a V0 fire rating acc. to UL94.



## Mini-terminals

... with 4 different means of fastening

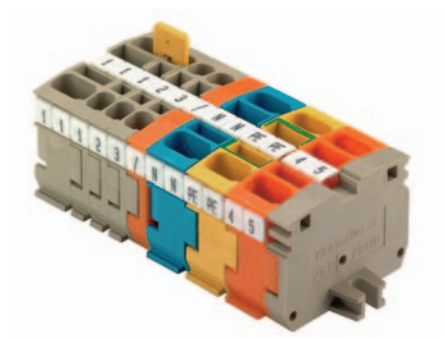


**ZDUB 2.5-2 DM**

### Direct mounting with screw fastening on mounting plate

The fastening terminals on the right and left of the terminal block are mounted using M3 screws.

Central fastening is not possible in this case.



**ZDUB 2.5-2 RC**

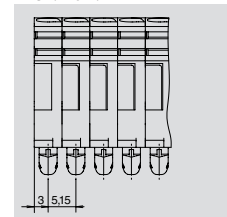
### Clip-on fastening on mounting plates

The terminals are simply clipped on-to mounting plates 0.6 – 1.2 mm thick with the clips in the 3.5 mm holes.

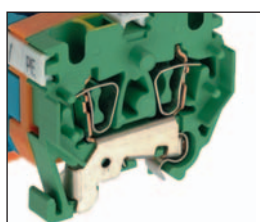
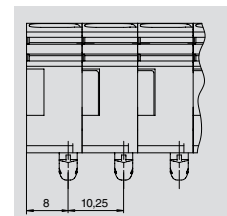
The open side of the terminal is closed by an end plate.



**Drilling plan:**  
ZDUB/2.5-2/2AN



ZDUB 2.5-2/4AN

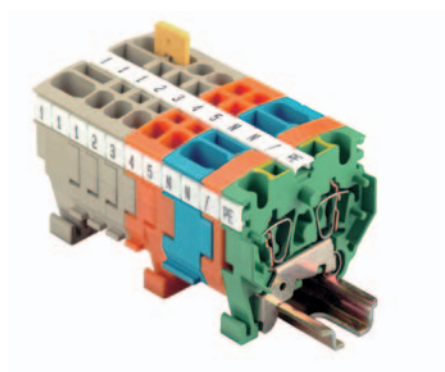


**ZPEB 2.5-2 TS 15**

### Fitting on mounting rail TS 15

For clipping on mounting rail TS 15.

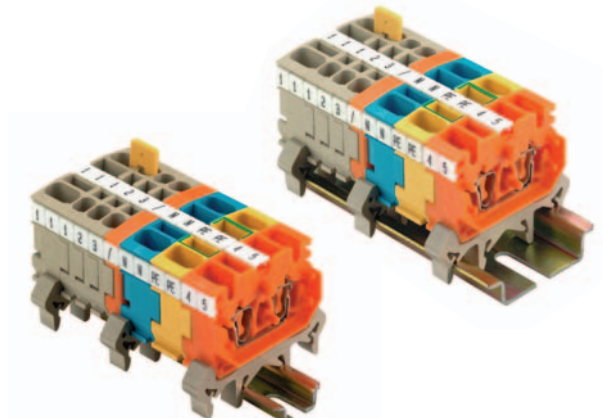
The open side of the terminal is closed by an end plate.



**MOFU TS 15/35**

### Mounting foot for mounting rail TS 15/35

The mounting foot can be used for clipping terminal blocks consisting only of middle terminals either to TS 15 or TS 35 mounting rails.



# Mini terminals

## Mini terminals for mounting plates

Block terminals for different fixing-systems

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage (PE: for adjacent terminal)              | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

#### Clampable conductors (H05V/H07V)

|                                         |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |
| Stripping length/ blade size            | mm / -          |

### Information

### Ordering data

#### Intermediate terminals

|                    |
|--------------------|
| dark beige Wemid   |
| blue Wemid         |
| yellow Wemid       |
| green/yellow Wemid |

#### End terminals

|                                                                     |                  |
|---------------------------------------------------------------------|------------------|
| With fixing option on the outside; required 1x when building blocks | dark beige Wemid |
|                                                                     | blue Wemid       |
|                                                                     | yellow Wemid     |

### Information

### Accessories

#### Cross-connection, pluggable

|            |         |
|------------|---------|
|            | 2-pole  |
|            | 3-pole  |
|            | 4-pole  |
| ZQV 2.5N/4 | 10-pole |
|            | 50-pole |

#### End plate / partition

|                  |
|------------------|
| dark beige Wemid |
| blue Wemid       |
| orange PA        |

#### End bracket

#### Fixing blocks

|                                  |                  |
|----------------------------------|------------------|
| required 1x when building blocks | dark beige Wemid |
| (alternatively to end terminals) | blue Wemid       |

#### Screwdriver

Standard version

#### Mounting foot f. TS15 and TS35

dark beige Wemid

#### Marking systems (see large assortment in chapter M)

Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZDUB 2.5-2/2AN/RC

2.5 mm<sup>2</sup>

### Two connections



5.1 x 33.2 x 28.8

/ 2.5

0.13 ... 2.5



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 800      | 600          | 600         | 550      |
| 24       | 20           | 25          | 21       |
| 2.5      | AWG 26 ...12 | AWG 26...12 | 2.5      |
| 8 / 3    |              |             |          |
| A2 / V-0 |              |             |          |



KEMA 97ATEX2755 U

#### Rated connection

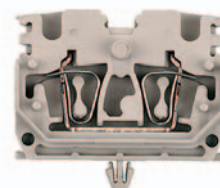
|                       |
|-----------------------|
| 0.5...2.5             |
| 0.5...2.5 / 0.5...1.5 |
| 10 / 0.6 x 3.5        |

Fitted directly onto base panels by means of integrated snap-in clips

## ZDUB 2.5-2/4AN/RC

2.5 mm<sup>2</sup>

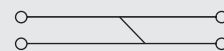
### Four connections



10.2 x 33.5 x 29

/ 2.5

0.13 ... 2.5



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 800      | 600          | 600         | 550      |
| 24       | 20           | 25          | 21       |
| 2.5      | AWG 26 ...12 | AWG 26...12 | 2.5      |
| 8 / 3    |              |             |          |
| A2 / V-0 |              |             |          |



KEMA 97ATEX2755 U

#### Rated connection

|                       |
|-----------------------|
| 0.5...2.5             |
| 0.5...2.5 / 0.5...1.5 |
| 10 / 0.6 x 3.5        |

Fitted directly onto base panels by means of integrated snap-in clips

| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
| ZDUB 2.5-2/2AN/RC    | 100  | 1712820000 |
| ZDUB 2.5-2/2AN/RC BL | 100  | 1712830000 |
| ZDUB 2.5-2/2AN/RC GE | 100  | 1712850000 |

| Type | Order No. |
|------|-----------|
|      |           |
|      |           |
|      |           |

The diameter of the mounting hole for the locating clip is 3.5 mm with a sheet of thickness 0.6-1.2 mm.

| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
| ZDUB 2.5-2/4AN/RC    | 100  | 1712970000 |
| ZDUB 2.5-2/4AN/RC BL | 100  | 1712980000 |
| ZDUB 2.5-2/4AN/RC GE | 100  | 1713000000 |

| Type | Order No. |
|------|-----------|
|      |           |
|      |           |
|      |           |

The diameter of the mounting hole for the locating clip is 3.5 mm with a sheet of thickness 0.6-1.2 mm.

| Type | Current [A] | Qty. | Order No. |
|------|-------------|------|-----------|
|      |             |      |           |
|      |             |      |           |
|      |             |      |           |
|      |             |      |           |

| Width [mm]  |   |    |            |
|-------------|---|----|------------|
| ZAP ZDUB    | 5 | 50 | 1704750000 |
| ZAP ZDUB BL | 5 | 50 | 1704760000 |
| ZAP ZDUB OR | 5 | 50 | 1704770000 |

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

DEK 5 / WS 10/5

With the help of the ZQB 2,5 (1677120000), terminals can be cross-connected.

| Type      | Current [A] | Qty. | Order No.  |
|-----------|-------------|------|------------|
| ZQB 2.5-2 | 24          | 50   | 1677120000 |
|           |             |      |            |
|           |             |      |            |
|           |             |      |            |

| Width [mm]  |   |    |            |
|-------------|---|----|------------|
| ZAP ZDUB    | 5 | 50 | 1704750000 |
| ZAP ZDUB BL | 5 | 50 | 1704760000 |
| ZAP ZDUB OR | 5 | 50 | 1704770000 |

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

DEK 5 / WS 10/5

With the help of the ZQB 2,5 (1677120000), terminals can be cross-connected.

# Mini terminals

## Mini terminals for direct mounting

Block terminals for different fixing-systems

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage (PE: for adjacent terminal)              | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

### Clampable conductors (H05V/H07V)

|                                         |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |
| Stripping length/ blade size            | mm / -          |

### Information

### Ordering data

#### Intermediate terminals

|                    |
|--------------------|
| dark beige Wemid   |
| blue Wemid         |
| yellow Wemid       |
| green/yellow Wemid |

#### End terminals

|                                                                     |                  |
|---------------------------------------------------------------------|------------------|
| With fixing option on the outside; required 1x when building blocks | dark beige Wemid |
|                                                                     | blue Wemid       |
|                                                                     | yellow Wemid     |

#### Information

### Accessories

#### Cross-connection, pluggable

|            |         |
|------------|---------|
|            | 2-pole  |
|            | 3-pole  |
|            | 4-pole  |
| ZQV 2.5N/4 | 10-pole |
|            | 50-pole |

#### End plate / partition

|                  |
|------------------|
| dark beige Wemid |
| blue Wemid       |
| orange PA        |

#### ZAP ZDUB

#### End bracket

#### Fixing blocks

|                                  |                  |
|----------------------------------|------------------|
| required 1x when building blocks | dark beige Wemid |
| (alternatively to end terminals) | blue Wemid       |

#### Screwdriver

Standard version

#### Mounting foot f. TS15 and TS35

dark beige Wemid

#### Marking systems (see large assortment in chapter M)

Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

## ZDUB 2.5-2/2AN/DM

2.5 mm<sup>2</sup>

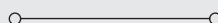
### Two connections



5.1 x 33 x 24

/ 2.5

0.13 ... 2.5



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 800      | 600          | 600         | 550      |
| 24       | 20           | 20          | 21       |
| 2.5      | AWG 26 ...12 | AWG 26...12 | 2.5      |
| 8 / 3    |              |             |          |
| A2 / V-0 |              |             |          |



KEMA 97ATEX2755 U

#### Rated connection

|                       |
|-----------------------|
| 0.5...2.5             |
| 0.5...2.5 / 0.5...1.5 |
| 10 / 0.6 x 3.5        |

Direct mount

## ZDUB 2.5-2/4AN/DM

2.5 mm<sup>2</sup>

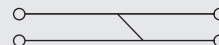
### Four connections



10.2 x 33.5 x 24

/ 2.5

0.13 ... 2.5



IEC 60947-7-1

EEx e II T II 2 G D

| IEC      | UL           | CSA         | EN 50019 |
|----------|--------------|-------------|----------|
| 800      | 600          | 600         | 550      |
| 24       | 20           | 25          | 21       |
| 2.5      | AWG 26 ...12 | AWG 26...12 | 2.5      |
| 8 / 3    |              |             |          |
| A2 / V-0 |              |             |          |



KEMA 97ATEX2755 U

#### Rated connection

|                       |
|-----------------------|
| 0.5...2.5             |
| 0.5...2.5 / 0.5...1.5 |
| 10 / 0.6 x 3.5        |

Direct mount

| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
| ZDUB 2.5-2/4AN/DM    | 100  | 1704540000 |
| ZDUB 2.5-2/4AN/DM BL | 100  | 1704550000 |
| ZDUB 2.5-2/4AN/DM GE | 100  | 1704570000 |

| Type                 | Order No.  |
|----------------------|------------|
| ZDUB 2.5-2/4AN/DB    | 1704690000 |
| ZDUB 2.5-2/4AN/DB BL | 1704700000 |
| ZDUB 2.5-2/4AN/DB GE | 1704720000 |

| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
| ZDUB 2.5-2/2AN/DM    | 100  | 1704350000 |
| ZDUB 2.5-2/2AN/DM BL | 100  | 1704360000 |
| ZDUB 2.5-2/2AN/DM GE | 100  | 1704380000 |

| Type                 | Order No.  |
|----------------------|------------|
| ZDUB 2.5-2/2AN/DB    | 1704500000 |
| ZDUB 2.5-2/2AN/DB BL | 1704510000 |
| ZDUB 2.5-2/2AN/DB GE | 1704530000 |

| Type | Current [A] | Qty. | Order No. |
|------|-------------|------|-----------|
|      |             |      |           |
|      |             |      |           |
|      |             |      |           |
|      |             |      |           |

| Width [mm]  |   |    |            |
|-------------|---|----|------------|
| ZAP ZDUB    | 5 | 50 | 1704750000 |
| ZAP ZDUB BL | 5 | 50 | 1704760000 |
| ZAP ZDUB OR | 5 | 50 | 1704770000 |

|          |    |            |
|----------|----|------------|
| ZBB ZDUB | 50 | 1704740000 |
|----------|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                 |    |            |
|-----------------|----|------------|
| MOFU 15/35 ZDUB | 50 | 1723660000 |
|-----------------|----|------------|

DEK 5 / WS 10/5

With the help of the ZQB 2,5 (1677120000), terminals can be cross-connected.

| Type      | Current [A] | Qty. | Order No.  |
|-----------|-------------|------|------------|
| ZQB 2.5-2 | 24          | 50   | 1677120000 |
|           |             |      |            |
|           |             |      |            |
|           |             |      |            |

| Width [mm]  |   |    |            |
|-------------|---|----|------------|
| ZAP ZDUB    | 5 | 50 | 1704750000 |
| ZAP ZDUB BL | 5 | 50 | 1704760000 |
| ZAP ZDUB OR | 5 | 50 | 1704770000 |

|          |    |            |
|----------|----|------------|
| ZBB ZDUB | 50 | 1704740000 |
|----------|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                 |    |            |
|-----------------|----|------------|
| MOFU 15/35 ZDUB | 50 | 1723660000 |
|-----------------|----|------------|

DEK 5 / WS 10/5

With the help of the ZQB 2,5 (1677120000), terminals can be cross-connected.

# Mini terminals

## Mini terminals TS 15

Block terminals for different fixing-systems

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage (PE: for adjacent terminal)              | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Stripping length/ blade size                           | mm / -          |

### Information

### Ordering data

| Intermediate terminals                                              |                    |
|---------------------------------------------------------------------|--------------------|
|                                                                     | dark beige Wemid   |
|                                                                     | blue Wemid         |
|                                                                     | yellow Wemid       |
|                                                                     | green/yellow Wemid |
| End terminals                                                       |                    |
| With fixing option on the outside; required 1x when building blocks | dark beige Wemid   |
|                                                                     | blue Wemid         |
|                                                                     | yellow Wemid       |
| Information                                                         |                    |

### Accessories

| Cross-connection, pluggable                                                                        |                  |
|----------------------------------------------------------------------------------------------------|------------------|
|                                                                                                    | 2-pole           |
|                                                                                                    | 3-pole           |
|                                                                                                    | 4-pole           |
| ZQV 2.5N/4                                                                                         | 10-pole          |
|                                                                                                    | 50-pole          |
| End plate / partition                                                                              |                  |
|                                                                                                    | dark beige Wemid |
|                                                                                                    | blue Wemid       |
|                                                                                                    | orange PA        |
| End bracket                                                                                        |                  |
|                                                                                                    |                  |
| Fixing blocks                                                                                      |                  |
| required 1x when building blocks (alternatively to end terminals)                                  | dark beige Wemid |
|                                                                                                    | blue Wemid       |
| Screwdriver                                                                                        |                  |
|                                                                                                    | Standard version |
| Mounting foot f. TS15 and TS35                                                                     |                  |
|                                                                                                    | dark beige Wemid |
| Marking systems (see large assortment in chapter M)                                                |                  |
|                                                                                                    | Tags             |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                  |

## ZDUB 2.5-2/2AN/TS15

2.5 mm<sup>2</sup>

### Two connections



5.1 x 33.5 x 32  
/ 2.5  
0.13 ... 2.5

|               |              |                   |          |                                                                                   |            |
|---------------|--------------|-------------------|----------|-----------------------------------------------------------------------------------|------------|
| IEC 60947-7-1 |              | EEx e II          |          |  | T II 2 G D |
| IEC           | UL           | CSA               | EN 50019 |                                                                                   |            |
| 800           | 600          | 600               | 550      |                                                                                   |            |
| 24            | 20           | 25                | 21       |                                                                                   |            |
| 2.5           | AWG 26 ...12 | AWG 26...12       | 2.5      |                                                                                   |            |
| 8 / 3         |              |                   |          |                                                                                   |            |
| A2 / V-0      |              |                   |          |                                                                                   |            |
| KEMA          |              | KEMA 97ATEX2755 U |          |                                                                                   |            |

### Rated connection

|                       |
|-----------------------|
| 0.5...2.5             |
| 0.5...2.5 / 0.5...1.5 |
| 10 / 0.6 x 3.5        |

TS 15 - block construction

## ZDUB 2.5-2/4AN/TS15

2.5 mm<sup>2</sup>

### Four connections



10.2 x 33.5 x 32  
/ 2.5  
0.13 ... 2.5

|                                                                                     |                   |             |          |                                                                                     |            |
|-------------------------------------------------------------------------------------|-------------------|-------------|----------|-------------------------------------------------------------------------------------|------------|
| IEC 60947-7-1                                                                       |                   | EEx e II    |          |  | T II 2 G D |
| IEC                                                                                 | UL                | CSA         | EN 50019 |                                                                                     |            |
| 800                                                                                 | 600               | 600         | 550      |                                                                                     |            |
| 24                                                                                  | 20                | 25          | 21       |                                                                                     |            |
| 2.5                                                                                 | AWG 26 ...12      | AWG 26...12 | 2.5      |                                                                                     |            |
| 8 / 3                                                                               |                   |             |          |                                                                                     |            |
| A2 / V-0                                                                            |                   |             |          |                                                                                     |            |
|  | KEMA 97ATEX2755 U |             |          |                                                                                     |            |

### Rated connection

|                       |
|-----------------------|
| 0.5...2.5             |
| 0.5...2.5 / 0.5...1.5 |
| 10 / 0.6 x 3.5        |

TS 15 - block construction

| Type                 | Qty.      | Order No.  |
|----------------------|-----------|------------|
| ZDUB 2.5-2/2AN/15    | 100       | 1712750000 |
| ZDUB 2.5-2/2AN/15 BL | 100       | 1712760000 |
| Type                 | Order No. |            |
|                      |           |            |
|                      |           |            |
|                      |           |            |

| Type                 | Qty.      | Order No.  |
|----------------------|-----------|------------|
| ZDUB 2.5-2/4AN/15    | 100       | 1712780000 |
| ZDUB 2.5-2/4AN/15 BL | 100       | 1712790000 |
| Type                 | Order No. |            |
|                      |           |            |
|                      |           |            |
|                      |           |            |

| Type                                                                         | Current [A] | Qty. | Order No.  |
|------------------------------------------------------------------------------|-------------|------|------------|
|                                                                              |             |      |            |
|                                                                              |             |      |            |
|                                                                              |             |      |            |
|                                                                              |             |      |            |
| Width [mm]                                                                   |             |      |            |
| ZAP ZDUB                                                                     | 5           | 50   | 1704750000 |
| ZAP ZDUB BL                                                                  | 5           | 50   | 1704760000 |
| ZAP ZDUB OR                                                                  | 5           | 50   | 1704770000 |
| ZEW 15                                                                       |             | 20   | 7920340000 |
| SD 0,6X3,5X100                                                               |             |      |            |
|                                                                              |             | 10   | 9008330000 |
| DEK 5 / WS 10/5                                                              |             |      |            |
| With the help of the ZQB 2,5 (1677120000), terminals can be cross-connected. |             |      |            |

| Type                                                                         | Current [A] | Qty. | Order No.  |
|------------------------------------------------------------------------------|-------------|------|------------|
| ZQB 2.5-2                                                                    | 24          | 50   | 1677120000 |
| Width [mm]                                                                   |             |      |            |
| ZAP ZDUB                                                                     | 5           | 50   | 1704750000 |
| ZAP ZDUB BL                                                                  | 5           | 50   | 1704760000 |
| ZAP ZDUB OR                                                                  | 5           | 50   | 1704770000 |
| ZEW 15                                                                       |             | 20   | 7920340000 |
| SD 0,6X3,5X100                                                               |             |      |            |
|                                                                              |             | 10   | 9008330000 |
| DEK 5 / WS 10/5                                                              |             |      |            |
| With the help of the ZQB 2,5 (1677120000), terminals can be cross-connected. |             |      |            |



# Mini terminals

## ZPEB 2.5-2

2.5 mm<sup>2</sup>

Two connections



5.1 x 33.2 x 32  
/ 2.5  
0.13 ... 2.5



IEC 60947-7-2

EEx e II T II 2 G D

IEC UL CSA EN 50019

500 300 300 275

24 20 20 20

2.5 AWG 26 ...12 AWG 26...12 2.5

8 / 3

A2 / V-0



KEMA 97ATEX2755 U

### Rated connection

0.5...2.5

0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5

TS 15 - block construction

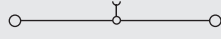
## ZDUA 2.5-2

2.5 mm<sup>2</sup>

Two connections



5.1 x 35 x 30.5  
/ 2.5  
0.13 ... 2.5



IEC 60947-7-1

EEx e II T II 2 G D

IEC UL CSA EN 50019

500 300 300 275

24 20 20 20

2.5 AWG 22 ...12 AWG 22...12 2.5

6 / 3

A2 / V-0



KEMA 97ATEX4678 U

### Rated connection

0.5...2.5

0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5

TS 15 - elemental construction

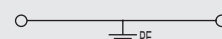
## ZPEA 2.5-2

2.5 mm<sup>2</sup>

Two connections



5.1 x 35 x 30.5  
/ 2.5  
0.13 ... 2.5



IEC 60947-7-2

EEx e II T II 2 G D

IEC UL CSA EN 50019

500 300 300 275

24 20 20 20

2.5 AWG 22 ...12 AWG 26...12 2.5

6 / 3

A2 / V-0



KEMA 97ATEX4678 U

### Rated connection

0.5...2.5

0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5

TS 15 - elemental construction

| Type       | Qty.      | Order No.  |
|------------|-----------|------------|
| ZPEB 2.5-2 | 100       | 1712810000 |
| Type       | Order No. |            |

| Type          | Qty.      | Order No.  |
|---------------|-----------|------------|
| ZDUA 2.5-2    | 100       | 1720920000 |
| ZDUA 2.5-2 BL | 100       | 1720930000 |
| Type          | Order No. |            |

| Type       | Qty.      | Order No.  |
|------------|-----------|------------|
| ZPEA 2.5-2 | 100       | 1720950000 |
| Type       | Order No. |            |

| Type            | Current [A] | Qty. | Order No.  |
|-----------------|-------------|------|------------|
| ZAP ZDUB        | 5           | 50   | 1704750000 |
| ZEW 15          | 20          | 20   | 7920340000 |
| SD 0,6X3,5X100  | 10          | 10   | 9008330000 |
| DEK 5 / WS 10/5 |             |      |            |

| Type            | Current [A] | Qty. | Order No.  |
|-----------------|-------------|------|------------|
| ZQV 2.5N/2 GE   | 24          | 60   | 1693800000 |
| ZQV 2.5N/3 GE   | 24          | 60   | 1693810000 |
| ZQV 2.5N/4 GE   | 24          | 60   | 1693820000 |
| ZQV 2.5N/10 GE  | 24          | 20   | 1693880000 |
| ZQV 2.5N/50 GE  | 24          | 10   | 1693890000 |
| Type            | Current [A] | Qty. | Order No.  |
| ZAP/TW ZDUA     | 1.5         | 50   | 1720960000 |
| ZAP/TW ZDUA BL  | 1.5         | 50   | 1720970000 |
| ZAP/TW ZDUA OR  | 1.5         | 50   | 1720980000 |
| ZEW 15          | 20          | 20   | 7920340000 |
| SD 0,6X3,5X100  | 10          | 10   | 9008330000 |
| DEK 5 / WS 10/5 |             |      |            |

| Type            | Current [A] | Qty. | Order No.  |
|-----------------|-------------|------|------------|
| ZAP/TW ZDUA     | 1.5         | 50   | 1720960000 |
| ZEW 15          | 20          | 20   | 7920340000 |
| SD 0,6X3,5X100  | 10          | 10   | 9008330000 |
| DEK 5 / WS 10/5 |             |      |            |

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

Weidmüller

C.87



# Mini terminals

## Mini terminals TS 15

Block terminals for different fixing-systems

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage (PE: for adjacent terminal)              | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Stripping length/ blade size                           | mm / -          |

### Information

### Ordering data

| Intermediate terminals                                              |                  |
|---------------------------------------------------------------------|------------------|
| dark beige Wemid                                                    |                  |
| blue Wemid                                                          |                  |
| yellow Wemid                                                        |                  |
| green/yellow Wemid                                                  |                  |
| End terminals                                                       |                  |
| With fixing option on the outside; required 1x when building blocks | dark beige Wemid |
|                                                                     | blue Wemid       |
|                                                                     | yellow Wemid     |
| Information                                                         |                  |

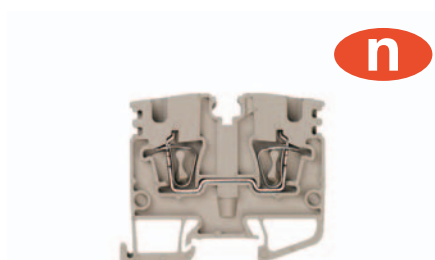
### Accessories

| Cross-connection, pluggable                                                                        |                  |
|----------------------------------------------------------------------------------------------------|------------------|
| 2-pole                                                                                             |                  |
| 3-pole                                                                                             |                  |
| 4-pole                                                                                             |                  |
| 10-pole                                                                                            |                  |
| 50-pole                                                                                            |                  |
| ZQV 2.5N/4                                                                                         |                  |
| End plate / partition                                                                              |                  |
| dark beige Wemid                                                                                   |                  |
| blue Wemid                                                                                         |                  |
| orange PA                                                                                          |                  |
| End bracket                                                                                        |                  |
| ZAP ZDUB                                                                                           |                  |
| Fixing blocks                                                                                      |                  |
| required 1x when building blocks (alternatively to end terminals)                                  | dark beige Wemid |
|                                                                                                    | blue Wemid       |
| Screwdriver                                                                                        |                  |
| Standard version                                                                                   |                  |
| Mounting foot f. TS15 and TS35                                                                     |                  |
| dark beige Wemid                                                                                   |                  |
| Marking systems (see large assortment in chapter M)                                                |                  |
| Tags                                                                                               |                  |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                  |

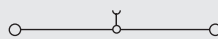
## ZDUA 2.5-2N

2.5 mm<sup>2</sup>

Two connections



|                   |
|-------------------|
| 5.1 x 42.3 x 34.7 |
| / 2.5             |
| 0.13 ... 2.5      |



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 800 | 300          | 300         |          |
| 24  | 20           | 20          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 8 / 3        |             |          |
|     | A2 / V-0     |             |          |



#### Rated connection

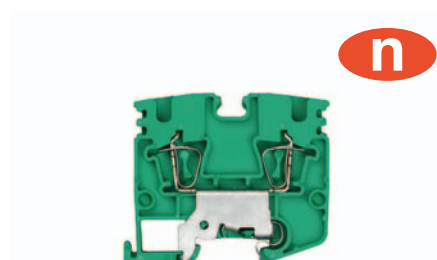
|                       |
|-----------------------|
| 0.5...2.5             |
| 0.5...2.5 / 0.5...1.5 |
| 10 / 0.6 x 3.5        |

TS 15 - elemental construction

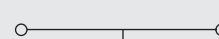
## ZPEA 2.5-2N

2.5 mm<sup>2</sup>

Two connections



|                   |
|-------------------|
| 5.1 x 42.3 x 34.7 |
| / 2.5             |
| 0.13 ... 2.5      |



IEC 60947-7-2

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 800 | 300          | 300         |          |
| 24  | 20           | 20          |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 8 / 3        |             |          |
|     | A2 / V-0     |             |          |



#### Rated connection

|                       |
|-----------------------|
| 0.5...2.5             |
| 0.5...2.5 / 0.5...1.5 |
| 10 / 0.6 x 3.5        |

TS 15 - elemental construction

| Type        | Qty. | Order No.  |
|-------------|------|------------|
|             |      |            |
|             |      |            |
| ZPEA 2.5-2N | 100  | 1808210000 |
| Type        |      | Order No.  |
|             |      |            |
|             |      |            |
|             |      |            |

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| ZDUA 2.5-2N    | 100  | 1808200000 |
| ZDUA 2.5-2N BL | 100  | 1808180000 |
|                |      |            |
| Type           |      | Order No.  |
|                |      |            |
|                |      |            |
|                |      |            |

| Type                 | Current [A] | Qty. | Order No.  |
|----------------------|-------------|------|------------|
| ZQV 2.5N/2 GE        | 24          | 60   | 1693800000 |
| ZQV 2.5N/3 GE        | 24          | 60   | 1693810000 |
| ZQV 2.5N/4 GE        | 24          | 60   | 1693820000 |
| ZQV 2.5N/10 GE       | 24          | 20   | 1693880000 |
| ZQV 2.5N/50 GE       | 24          | 10   | 1693890000 |
| Width [mm]           |             |      |            |
| ZAP/TW ZDUA2.5-2N    | 2.5         | 50   | 1808170000 |
| ZAP/TW ZDUA2.5-2N OR | 2.5         | 50   | 1808160000 |
| ZEW 15               |             | 20   | 7920340000 |
| SD 0,6X3,5X100       |             | 10   | 9008330000 |
| DEK 5 / WS 10/5      |             |      |            |

| Type                 | Current [A] | Qty. | Order No.  |
|----------------------|-------------|------|------------|
| ZQV 2.5N/2 GE        | 24          | 60   | 1693800000 |
| ZQV 2.5N/3 GE        | 24          | 60   | 1693810000 |
| ZQV 2.5N/4 GE        | 24          | 60   | 1693820000 |
| ZQV 2.5N/10 GE       | 24          | 20   | 1693880000 |
| ZQV 2.5N/50 GE       | 24          | 10   | 1693890000 |
| Width [mm]           |             |      |            |
| ZAP/TW ZDUA2.5-2N    | 2.5         | 50   | 1808170000 |
| ZAP/TW ZDUA2.5-2N OR | 2.5         | 50   | 1808160000 |
| ZEW 15               |             | 20   | 7920340000 |
| SD 0,6X3,5X100       |             | 10   | 9008330000 |
| DEK 5 / WS 10/5      |             |      |            |



# Terminals with electronic components

## Terminals with electronic components

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |

#### Electronic fixtures

|                                    |            |
|------------------------------------|------------|
| Diode current / diode voltage      | V / A      |
| LED-voltage, LED-current, polarity | V / mA / - |
| Resistance / Varistor              | -/V        |

#### Clampable conductors (H05V/H07V)

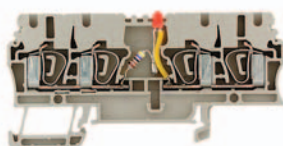
|                                         |                 |
|-----------------------------------------|-----------------|
| Solid / stranded                        | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule | mm <sup>2</sup> |
| Tightening torque range clamping screw  | Nm              |
| Stripping length / blade size           | mm / -          |

#### Information

## ZDU 2.5/2x2AN/LD

2.5 mm<sup>2</sup>

### LED display



5.1 x 79.1 x 39.5

/ 4

0.08 ... 4



IEC 60947-7-1

| IEC  | UL       | CSA | EN 50019 |
|------|----------|-----|----------|
| 24   |          |     |          |
| 0.05 |          |     |          |
| 2.5  |          |     |          |
|      | 6 / 3    |     |          |
|      | A3 / V-0 |     |          |

#### Rated connection

0.5...4

#### Additional connection

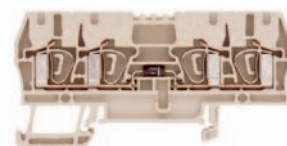
0.5...4 / 0.5...2.5

10 / 0.6 x 3.5

## ZDU 2.5/2x2AN/D

2.5 mm<sup>2</sup>

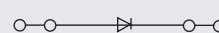
### Diode circuit



5.1 x 79.1 x 39.5

/ 4

0.08 ... 4



IEC 60947-7-1

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 400 |          |     |          |
| 1   |          |     |          |
| 2.5 |          |     |          |
|     | 6 / 3    |     |          |
|     | A3 / V-0 |     |          |

1000 / 1

/ 1000

#### Rated connection

0.5...4

#### Additional connection

0.5...4 / 0.5...2.5

10 / 0.6 x 3.5

Soldered up diode: Type 1N 4007, reverse voltage 1000V, current 1 A

### Ordering data

| Version                   |                              |
|---------------------------|------------------------------|
| Design of terminal        | dark beige Wemid             |
| see circuit diagram above | green Wemid                  |
|                           | Dark beige Wemid (LED red)   |
|                           | Dark beige Wemid (LED green) |

#### Information

| Type              | Qty. | Order No.  |
|-------------------|------|------------|
| ZDU 2.5/2X2AN/LD+ | 20   | 1692590000 |

| Type             | Qty. | Order No.  |
|------------------|------|------------|
| ZDU 2.5/2X2AN/D+ | 20   | 1650340000 |

### Accessories

#### Cross-connection, pluggable



(ZQV 2.5N/4)

2-pole  
3-pole  
4-pole  
10-pole  
50-pole

#### Cross-connection, screwable



WQV 2.5-3

2-pole  
3-pole  
4-pole  
10-pole

#### End plate / partition

dark beige Wemid

#### End bracket

dark beige / beige

#### Screwdriver



w. cutting device "swifty set"

Standard version

#### Reducing sleeves

for conductors < 0.5mm<sup>2</sup> / AWG 20for conductors < 1.0mm<sup>2</sup> / AWG 18

#### Marking systems (see large assortment in chapter M)

Tags

For detailed information on additional accessories and usage instructions see chapter accessories.

| Type | Current [A] | Qty. | Qty. |
|------|-------------|------|------|
|------|-------------|------|------|

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

| Current [A] |  |  |  |
|-------------|--|--|--|
|             |  |  |  |
|             |  |  |  |
|             |  |  |  |
|             |  |  |  |

| Width [mm] |   |    |            |
|------------|---|----|------------|
| ZAP/TW 3   | 2 | 50 | 1608800000 |
| Width [mm] |   |    |            |
| ZEW        | 6 | 20 | 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                 |     |            |
|-----------------|-----|------------|
| ZRH 2.5/1 WS    | 100 | 1614300000 |
| ZRH 2.5/2 GR/V0 | 100 | 1614290000 |

|                 |  |  |
|-----------------|--|--|
| DEK 5 / WS 10/5 |  |  |
|-----------------|--|--|

| Type | Current [A] | Qty. | Qty. |
|------|-------------|------|------|
|------|-------------|------|------|

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

| Current [A] |  |  |  |
|-------------|--|--|--|
|             |  |  |  |
|             |  |  |  |
|             |  |  |  |
|             |  |  |  |

| Width [mm] |   |    |            |
|------------|---|----|------------|
| ZAP/TW 3   | 2 | 50 | 1608800000 |
| Width [mm] |   |    |            |
| ZEW        | 6 | 20 | 9540000000 |

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|                 |     |            |
|-----------------|-----|------------|
| ZRH 2.5/1 WS    | 100 | 1614300000 |
| ZRH 2.5/2 GR/V0 | 100 | 1614290000 |

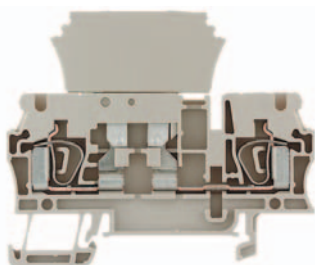
|                 |  |  |
|-----------------|--|--|
| DEK 5 / WS 10/5 |  |  |
|-----------------|--|--|

# Terminals with electronic components

## ZTR 2.5/D

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 68.5 x 57  
/ 4  
0.08 ... 4



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 10  | 1            | 1           |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A3 / V-0     |             |          |



1000 / 1

/ 1000

**Rated connection** **Additional connection**

0.5...4

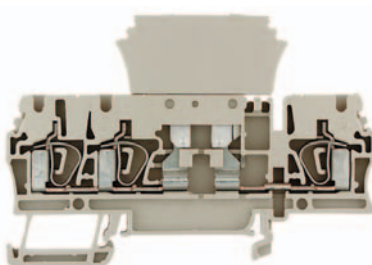
0.5...4 / 0.5...2.5

10 / 0.6 x 3.5

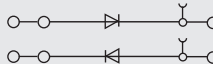
## ZTR 2.5/3AN/D

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 83 x 57  
/ 4  
0.08 ... 4



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 300          | 300         |          |
| 10  | 1            | 1           |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A3 / V-0     |             |          |



1000 / 1

/ 1000

**Rated connection** **Additional connection**

0.5...4

0.5...4 / 0.5...2.5

10 / 0.6 x 3.5

| Type       | Qty. | Order No.  |
|------------|------|------------|
| ZTR 2.5/D+ | 50   | 1608710000 |

Soldered up diode: Type 1N 4007, reverse voltage 1000V, current 1 A;  
current of the through-going busbar = 10 A

| Type           | Qty. | Order No.  |
|----------------|------|------------|
| ZTR 2.5/3AN/D+ | 50   | 1670330000 |

Soldered up diode: Type 1N 4007, reverse voltage 1000V, current 1 A;  
current of the through-going busbar = 10 A

| Type       | Current [A] | Qty. | Qty.       |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

**Current [A]**

**Width [mm]**

|             |   |    |            |
|-------------|---|----|------------|
| ZAP/TW 2 DB | 2 | 50 | 1608770000 |
|-------------|---|----|------------|

**Width [mm]**

|     |   |    |            |
|-----|---|----|------------|
| ZEW | 6 | 20 | 9540000000 |
|-----|---|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|              |     |            |
|--------------|-----|------------|
| ZRH 2.5/1 WS | 100 | 1614300000 |
|--------------|-----|------------|

|                 |     |            |
|-----------------|-----|------------|
| ZRH 2.5/2 GR/V0 | 100 | 1614290000 |
|-----------------|-----|------------|

DEK 5 / WS 10/5

| Type       | Current [A] | Qty. | Qty.       |
|------------|-------------|------|------------|
| ZQV 2.5/2  | 24          | 60   | 1608860000 |
| ZQV 2.5/3  | 24          | 60   | 1608870000 |
| ZQV 2.5/4  | 24          | 60   | 1608880000 |
| ZQV 2.5/10 | 24          | 20   | 1608940000 |
| ZQV 2.5/50 | 24          | 10   | 1697540000 |

**Current [A]**

**Width [mm]**

|          |   |    |            |
|----------|---|----|------------|
| ZAP/TW 3 | 2 | 50 | 1608800000 |
|----------|---|----|------------|

**Width [mm]**

|     |   |    |            |
|-----|---|----|------------|
| ZEW | 6 | 20 | 9540000000 |
|-----|---|----|------------|

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|              |     |            |
|--------------|-----|------------|
| ZRH 2.5/1 WS | 100 | 1614300000 |
|--------------|-----|------------|

|                 |     |            |
|-----------------|-----|------------|
| ZRH 2.5/2 GR/V0 | 100 | 1614290000 |
|-----------------|-----|------------|

DEK 5 / WS 10/5

# Terminals with electronic components

## Terminals with electronic components

Tension clamp terminal solutions for rated conductors 0.08 to 35 mm<sup>2</sup>.

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Electronic fixtures                                    |                 |
| Diode current / diode voltage                          | V / A           |
| LED-voltage, LED-current, polarity                     | V / mA / -      |
| Resistance                                             | -/V             |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Tightening torque range clamping screw                 | Nm              |
| Stripping length / blade size                          | mm / -          |
| Information                                            |                 |

### Ordering data

| Version                   |                              |
|---------------------------|------------------------------|
| Design of terminal        | dark beige Wemid             |
| see circuit diagram above | green Wemid                  |
|                           | Dark beige Wemid (LED red)   |
|                           | Dark beige Wemid (LED green) |
| Information               |                              |

### Accessories

| Cross-connection, pluggable                                                                        |                                              |
|----------------------------------------------------------------------------------------------------|----------------------------------------------|
|                 | (ZQV 2.5N/4)                                 |
|                                                                                                    | 2-pole                                       |
|                                                                                                    | 3-pole                                       |
|                                                                                                    | 4-pole                                       |
|                                                                                                    | 10-pole                                      |
|                                                                                                    | 50-pole                                      |
| Cross-connection, screwable                                                                        |                                              |
|                 | WQV 2.5-3                                    |
|                                                                                                    | 2-pole                                       |
|                                                                                                    | 3-pole                                       |
|                                                                                                    | 4-pole                                       |
|                                                                                                    | 10-pole                                      |
| End plate / partition                                                                              |                                              |
|                                                                                                    | dark beige Wemid                             |
| End bracket                                                                                        |                                              |
|                                                                                                    | dark beige / beige                           |
| Screwdriver                                                                                        |                                              |
|                 | w. cutting device "swifty set"               |
|                                                                                                    | Standard version                             |
| Reducing sleeves                                                                                   |                                              |
|                                                                                                    | for conductors < 0.5mm <sup>2</sup> / AWG 20 |
|                                                                                                    | for conductors < 1.0mm <sup>2</sup> / AWG 18 |
| Marking systems (see large assortment in chapter M)                                                |                                              |
|                                                                                                    | Tags                                         |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                                              |

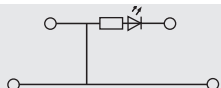
## ZDK 2.5/1.5LD 1...4

2.5 mm<sup>2</sup>

### LED display



|                        |
|------------------------|
| <b>5.1 x 79.1 x 54</b> |
| <b>/ 2.5</b>           |
| <b>0.08 ... 2.5</b>    |



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 24  | 24           | 24          |          |
| 10  | 10           | 10          |          |
| 2.5 | AWG 26 ...14 | AWG 26...12 |          |
|     |              | / 3         |          |
|     |              | A2 / V-0    |          |



|          |
|----------|
| 1000 / 1 |
| / 1000   |

| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...1.5 |                       |
| 10 / 0.6 x 3.5        |                       |

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

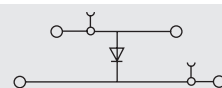
## ZDK 2.5/1.5/D/1...6

2.5 mm<sup>2</sup>

### Diode circuit



|                        |
|------------------------|
| <b>5.1 x 79.1 x 54</b> |
| <b>/ 2.5</b>           |
| <b>0.08 ... 2.5</b>    |



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 500 | 300          | 300         |          |
| 10  | 10           | 10          |          |
| 2.5 | AWG 26 ...14 | AWG 26...12 |          |
|     |              | 6 / 3       |          |
|     |              | A2 / V-0    |          |



|          |
|----------|
| 1000 / 1 |
| / 1000   |

| Rated connection      | Additional connection |
|-----------------------|-----------------------|
| 0.5...2.5             |                       |
| 0.5...2.5 / 0.5...1.5 |                       |
| 10 / 0.6 x 3.5        |                       |

Flexible conductor 2.5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller-crimping tool PZ 6/5.

| Type                                       | Qty. | Order No.         |
|--------------------------------------------|------|-------------------|
| ZDK 2.5/1.5/LD RT/1                        | 50   | <b>1690010000</b> |
| ZDK 2.5/1.5/LD GN/1                        |      | <b>1713480000</b> |
| Current of the through-going busbar = 10 A |      |                   |

| Type                                                                                                            | Qty. | Order No.         |
|-----------------------------------------------------------------------------------------------------------------|------|-------------------|
| ZDK 2.5/1.5/D/1                                                                                                 | 50   | <b>1690020000</b> |
| Soldered up diode: Type 1N 4007, reverse voltage 1000V, current 1 A; current of the through-going busbar = 10 A |      |                   |

| Type       | Current [A] | Qty. | Qty.              |
|------------|-------------|------|-------------------|
| ZQV 2.5/2  | 24          | 60   | <b>1608860000</b> |
| ZQV 2.5/3  | 24          | 60   | <b>1608870000</b> |
| ZQV 2.5/4  | 24          | 60   | <b>1608880000</b> |
| ZQV 2.5/10 | 24          | 20   | <b>1608940000</b> |
| ZQV 2.5/50 | 24          | 10   | <b>1697540000</b> |

| Current [A] |  |  |  |
|-------------|--|--|--|
|             |  |  |  |
|             |  |  |  |
|             |  |  |  |

| Width [mm]        |     |    |                   |
|-------------------|-----|----|-------------------|
| ZAP/TW ZDK2.5/1.5 | 1.5 | 20 | <b>1674730000</b> |
| Width [mm]        |     |    |                   |
| ZEW               | 6   | 20 | <b>9540000000</b> |

|                |    |                   |
|----------------|----|-------------------|
| SD 0,6X3,5X100 | 10 | <b>9008330000</b> |
|----------------|----|-------------------|

|            |     |                   |
|------------|-----|-------------------|
| ZRH 1.5H/1 | 100 | <b>1678810000</b> |
| ZRH 1.5H/2 | 100 | <b>1678800000</b> |

|                 |  |  |
|-----------------|--|--|
| DEK 5 / WS 10/5 |  |  |
|-----------------|--|--|

| Type       | Current [A] | Qty. | Qty.              |
|------------|-------------|------|-------------------|
| ZQV 2.5/2  | 24          | 60   | <b>1608860000</b> |
| ZQV 2.5/3  | 24          | 60   | <b>1608870000</b> |
| ZQV 2.5/4  | 24          | 60   | <b>1608880000</b> |
| ZQV 2.5/10 | 24          | 20   | <b>1608940000</b> |
| ZQV 2.5/50 | 24          | 10   | <b>1697540000</b> |

| Current [A] |  |  |  |
|-------------|--|--|--|
|             |  |  |  |
|             |  |  |  |
|             |  |  |  |

| Width [mm]        |     |    |                   |
|-------------------|-----|----|-------------------|
| ZAP/TW ZDK2.5/1.5 | 1.5 | 20 | <b>1674730000</b> |
| Width [mm]        |     |    |                   |
| ZEW               | 6   | 20 | <b>9540000000</b> |

|                |    |                   |
|----------------|----|-------------------|
| SD 0,6X3,5X100 | 10 | <b>9008330000</b> |
|----------------|----|-------------------|

|            |     |                   |
|------------|-----|-------------------|
| ZRH 1.5H/1 | 100 | <b>1678810000</b> |
| ZRH 1.5H/2 | 100 | <b>1678800000</b> |

|                 |  |  |
|-----------------|--|--|
| DEK 5 / WS 10/5 |  |  |
|-----------------|--|--|

# Terminals with electronic components

## ZDU 2,5-2/D

2.5 mm<sup>2</sup>

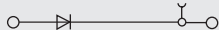
Diode circuit



5.1 x 50.5 x 44

/ 2.5

0.08 ... 2.5



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 400 | 600          | 600         |          |
| 1   | 1            | 1           |          |
| 2.5 | AWG 26 ...12 | AWG 26...12 |          |
|     | 6 / 3        |             |          |
|     | A2 / V-0     |             |          |

(BL)

1000 / 1

/ 1000

Rated connection Additional connection

0.5...2.5

0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5

Flexible conductor 2,5 mm<sup>2</sup> with ferrule is crimped using the Weidmüller crimping tool PZ 6/5.

| Type         | Qty. | Order No.  |
|--------------|------|------------|
| ZDU 2,5-2/D+ | 20   | 1779110000 |

Soldered up diode: Type 1N 4007, reverse voltage 1000V, current 1 A

## ZDK 4-2/D

4 mm<sup>2</sup>

Diode circuit



n

6.1 x 77.6 x 61

/ 6

0.08 ... 6



IEC 60947-7-1

| IEC | UL           | CSA         | EN 50019 |
|-----|--------------|-------------|----------|
| 800 | 300          | 300         |          |
| 1   | 1            | 1           |          |
| 4   | AWG 26 ...10 | AWG 26...10 |          |
|     | 8 / 3        |             |          |
|     | A3 / V-0     |             |          |

1000 / 1

/ 1000

Rated connection Additional connection

0.5...6 / 1.5...4

0.5...4 / 0.5...4

10 / 0.6 x 3.5

| Type              | Qty. | Order No.  |
|-------------------|------|------------|
| ZDK 4-2/D forward | 50   | 8670520000 |

## ZDK 4-2/MOV

4 mm<sup>2</sup>

Varistor



n

6.1 x 77.6 x 61

/ 6

0.08 ... 6



IEC 60947-7-1

| IEC | UL       | CSA | EN 50019 |
|-----|----------|-----|----------|
| 140 |          |     |          |
| 4   |          |     |          |
|     | 8 / 3    |     |          |
|     | A3 / V-0 |     |          |

140

/ 140

Rated connection Additional connection

0.5...6 / 1.5...4

0.5...4 / 0.5...4

11 / 3.5 x 0.6

| Type        | Qty. | Order No.  |
|-------------|------|------------|
| ZDK 4-2/MOV | 50   | 8670700000 |

| Type       | Current [A] | Qty. | Qty.       |
|------------|-------------|------|------------|
| ZQV 2,5/2  | 24          | 60   | 1608860000 |
| ZQV 2,5/3  | 24          | 60   | 1608870000 |
| ZQV 2,5/4  | 24          | 60   | 1608880000 |
| ZQV 2,5/10 | 24          | 20   | 1608940000 |
| ZQV 2,5/50 | 24          | 10   | 1697540000 |

Current [A]

| Type    | Width [mm] | Qty. | Qty.       |
|---------|------------|------|------------|
| ZAP/TW7 | 2.5        | 50   | 1706110000 |
| ZEW     | 6          | 20   | 9540000000 |

Width [mm]

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

|            |     |            |
|------------|-----|------------|
| ZRH 1.5H/1 | 100 | 1678810000 |
| ZRH 1.5H/2 | 100 | 1678800000 |

DEK 5 / WS 14/5

| Type        | Current [A] | Qty. | Qty.       |
|-------------|-------------|------|------------|
| ZQV 4/2 GE  | 32          | 60   | 1608950000 |
| ZQV 4/3 GE  | 32          | 60   | 1608960000 |
| ZQV 4/4 GE  | 32          | 60   | 1608970000 |
| ZQV 4/10 GE | 32          | 20   | 1609030000 |

Current [A]

| Type           | Width [mm] | Qty. | Qty.       |
|----------------|------------|------|------------|
| ZAP/TW ZDK 4-2 | 2          | 50   | 8670760000 |
| ZEW            | 6          | 20   | 9540000000 |

Width [mm]

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

DEK 6

| Type        | Current [A] | Qty. | Qty.       |
|-------------|-------------|------|------------|
| ZQV 4/2 GE  | 32          | 60   | 1608950000 |
| ZQV 4/3 GE  | 32          | 60   | 1608960000 |
| ZQV 4/4 GE  | 32          | 60   | 1608970000 |
| ZQV 4/10 GE | 32          | 20   | 1609030000 |

Current [A]

| Type           | Width [mm] | Qty. | Qty.       |
|----------------|------------|------|------------|
| ZAP/TW ZDK 4-2 | 2          | 50   | 8670760000 |
| ZEW            | 6          | 20   | 9540000000 |

Width [mm]

|                |    |            |
|----------------|----|------------|
| SD 0,6X3,5X100 | 10 | 9008330000 |
|----------------|----|------------|

DEK 6

# Disconnect test terminals

## Disconnect test terminal

Terminals for power supply

When using ATEX certified components in hazardous area applications the installation instructions and the rated data for accessories in the technical appendix must be considered.

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Width/Length/Height w. TS35x7.5</b>  | mm                |
| Max. current / max. cond. cross-section | A/mm <sup>2</sup> |
| Max. clamping range                     | mm <sup>2</sup>   |

### Technical data

| Rated data                                             |                 |
|--------------------------------------------------------|-----------------|
| Rated voltage                                          | V               |
| Rated current                                          | A               |
| Rated cross-section                                    | mm <sup>2</sup> |
| Rated impulse voltage / Pollution severity             | kV/-            |
| Plug gauge IEC 60-947-1 / flammability class acc. UL94 |                 |
| Approvals                                              |                 |
| Clampable conductors (H05V/H07V)                       |                 |
| Solid / stranded                                       | mm <sup>2</sup> |
| Flexible / flexible w. wire end ferrule                | mm <sup>2</sup> |
| Tightening torque range (clamping screw)               | Nm              |
| Tightening torque range disconnecter                   | Nm              |
| Stripping length / blade size                          | mm / -          |
| Information                                            |                 |

### Ordering data

| Version          |                |
|------------------|----------------|
| dark beige Wemid | With socket    |
|                  | Without socket |
| Information      |                |

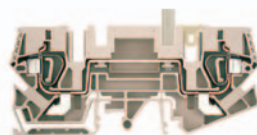
### Accessories

| Cross-connection                                                                                   |                            |
|----------------------------------------------------------------------------------------------------|----------------------------|
| ZQV: pluggable cross-connection                                                                    | 2-pole                     |
| WQV: screwable cross-connection                                                                    | 3-pole                     |
| QL: screwable cross-connection                                                                     | 4-pole                     |
|                                                                                                    | 10-pole / 32-pole          |
| Connecting sleeve for cross-conn. QL                                                               |                            |
| Fixing screw for cross-conn. QL                                                                    |                            |
| End plate / partition                                                                              |                            |
| dark beige Wemid                                                                                   | End plate                  |
|                                                                                                    | Partition                  |
| Cross-connection slider                                                                            |                            |
|                                                                                                    | 2-pole                     |
|                                                                                                    | 3-pole                     |
|                                                                                                    | 4-pole                     |
| Connecting sleeve for QVS                                                                          |                            |
| Fixing screw for QVS                                                                               |                            |
| Testing                                                                                            |                            |
|                                                                                                    | Test plug                  |
|                                                                                                    | Socket, yellow             |
|                                                                                                    | Socket, green              |
|                                                                                                    | Socket, violet             |
|                                                                                                    | Socket, blue               |
| Other accessories                                                                                  |                            |
|                                                                                                    | Lockout device             |
|                                                                                                    | Short-circuit-plug, 2-pole |
| Without insulating cap                                                                             | Socket                     |
| Marking systems (see large assortment in chapter M)                                                |                            |
|                                                                                                    | Tags                       |
| For detailed information on additional accessories and usage instructions see chapter accessories. |                            |

## ZTD 6

6 mm<sup>2</sup>

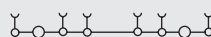
### Feed-through terminal



8 x 106 x 47.5

52 / 10

0.5 ... 10



IEC 60947-7-1 / VDE 0100-537

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 800 | 300         | 300        |          |
| 41  | 33          | 33         |          |
| 6   | AWG 20 ...8 | AWG 20...8 |          |
|     |             | 8 / 3      |          |
|     |             | A5 / V-0   |          |

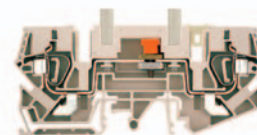
| Rated connection   | Additional connection |
|--------------------|-----------------------|
| 0.5...10 / 1.5...6 |                       |
| 0.5...6 / 0.5...6  |                       |
|                    |                       |
|                    |                       |
| 13 / 0.8 x 4       |                       |

400V when used as isolating terminal.

## ZTL 6

6 mm<sup>2</sup>

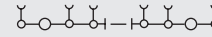
### Disconnect test terminal



8 x 106 x 47.5

52 / 10

0.5 ... 10



IEC 60947-7-1 / VDE 0100-537

| IEC | UL          | CSA        | EN 50019 |
|-----|-------------|------------|----------|
| 800 | 300         | 300        |          |
| 41  | 33          | 33         |          |
| 6   | AWG 20 ...8 | AWG 20...8 |          |
|     |             | 8 / 3      |          |
|     |             | A5 / V-0   |          |

| Rated connection   | Additional connection |
|--------------------|-----------------------|
| 0.5...10 / 1.5...6 |                       |
| 0.5...6 / 0.5...6  |                       |
|                    |                       |
|                    |                       |
| 13 / 0.8 x 4       |                       |

400V when used as isolating terminal.

| Type      | Qty. | Order No.  |
|-----------|------|------------|
| ZTL 6/STB | 20   | 1771950000 |
| ZTL 6     | 20   | 1771800000 |

| Type      | Qty. | Order No.  |
|-----------|------|------------|
| ZTD 6/STB | 20   | 1771960000 |
| ZTD 6     | 20   | 1771810000 |

| Type        | Current [A] | Qty. | Order No.  |
|-------------|-------------|------|------------|
| ZQV 6/2 GE  | 41          | 60   | 1627850000 |
| ZQV 6/3 GE  | 41          | 60   | 1627860000 |
| ZQV 6/4 GE  | 41          | 60   | 1627870000 |
| ZQV 6/32 GE | 41          | 10   | 1733640000 |

| Width [mm] |      |
|------------|------|
| ZTW ZTL6   | 2 20 |

| Type                  | Current [A] | Qty. | Order No.  |
|-----------------------|-------------|------|------------|
| PS 4 F.STB 4          |             | 20   | 0299600000 |
| STB 21.6/IH/GE WTL6/3 |             | 50   | 1071010000 |
| STB 21.6/IH/GN WTL6/3 |             | 50   | 1071020000 |
| STB 21.6/IH/VI WTL6/3 |             | 50   | 1071030000 |
| STB 21.6/IH/BL WTL6/3 |             | 50   | 1071080000 |

|             |    |            |
|-------------|----|------------|
| KSBR/2 ZTL6 | 20 | 1771820000 |
|-------------|----|------------|

DEK 8 / WS 12/6,5

| Type        | Current [A] | Qty. | Order No.  |
|-------------|-------------|------|------------|
| ZQV 6/2 GE  | 41          | 60   | 1627850000 |
| ZQV 6/3 GE  | 41          | 60   | 1627860000 |
| ZQV 6/4 GE  | 41          | 60   | 1627870000 |
| ZQV 6/32 GE | 41          | 10   | 1733640000 |

| Width [mm] |      |
|------------|------|
| ZTW ZTL6   | 2 20 |

| Type                  | Current [A] | Qty. | Order No.  |
|-----------------------|-------------|------|------------|
| PS 4 F.STB 4          |             | 20   | 0299600000 |
| STB 21.6/IH/GE WTL6/3 |             | 50   | 1071010000 |
| STB 21.6/IH/GN WTL6/3 |             | 50   | 1071020000 |
| STB 21.6/IH/VI WTL6/3 |             | 50   | 1071030000 |
| STB 21.6/IH/BL WTL6/3 |             | 50   | 1071080000 |

|             |     |            |
|-------------|-----|------------|
| SSP ZTL6    | 100 | 1771860000 |
| KSBR/2 ZTL6 | 20  | 1771820000 |

DEK 8 / WS 12/6,5

Pluggable tag mount for additional tags above the cross-connection channels.





## Accessories

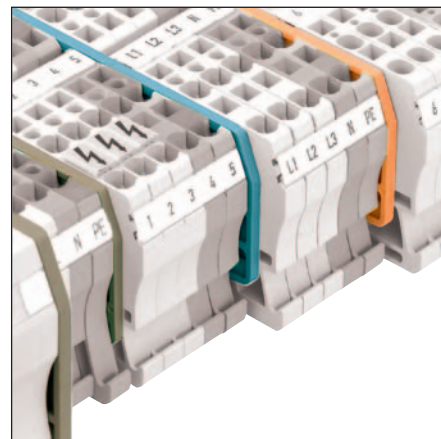
### Extra functions

Weidmüller offers the user of Z series terminals a comprehensive range of accessories, providing optimal solutions whatever the problem, and even going over and above standard functions.

The accessories are subject to the same quality demands as the actual terminals.

### Visual separation

Page C.98

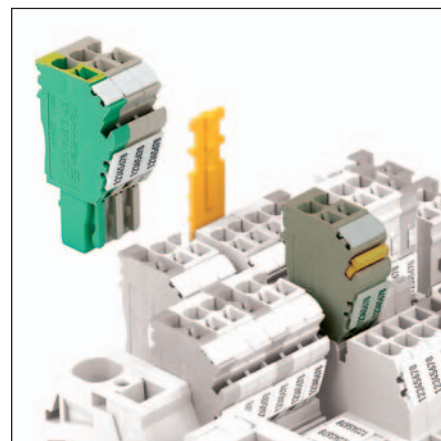


To guarantee "finger-safe" use of terminals, the open sides are covered with end cover plates and partition plates to prevent any contact with conducting parts.

End cover plates and partition plates also come in different colours so that they can be used for visual separation of different circuits.

### Pluggable terminals

Page C.108



#### WeiCoS – Weidmüller Connection System

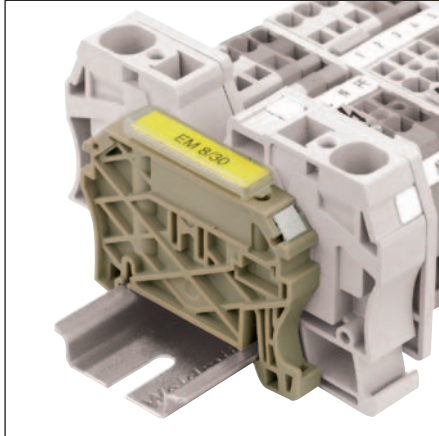
This new generation of pluggable terminals is structured on the modular principle. The basic elements of the WeiCoS system are one terminal for the functional unit on the mounting rail and a plug-in connector for elements to be connected (cable harness production).

Advantages:

- Quick assembly
- Fully plugged-in functional units possible
- Quick and simple replacement during servicing

## Fastening

Chapter F



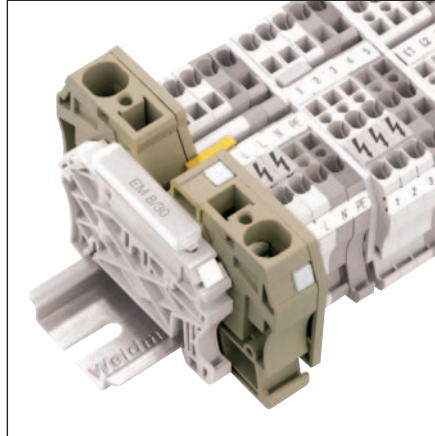
An end bracket is fitted on the mounting rail to the right and left of the terminals to ensure that they sit firmly in position.

The marking surface of the end bracket can also be used for group marking.

Details of the wide range of Weidmüller end brackets and mounting rails are given in **Chapter F**.

## Electrical supply

Page C.101



Weidmüller's tension clamp terminals have three supply terminals:

- ZEI 16** for standard terminals
- ZEI 16/2-1AN** for roof-type terminals
- ZEI 6** for ZDU 1.5 ...

Cross-connections divide the supply current into several feeder currents.

Current is supplied across a conductor cross-section of 16 mm<sup>2</sup> and then distributed across neighbouring terminals for 1.5 mm<sup>2</sup>, 2.5 mm<sup>2</sup>, 4 mm<sup>2</sup> and 6 mm<sup>2</sup> cross-sectional areas.

## Electrical distribution

Page C.103

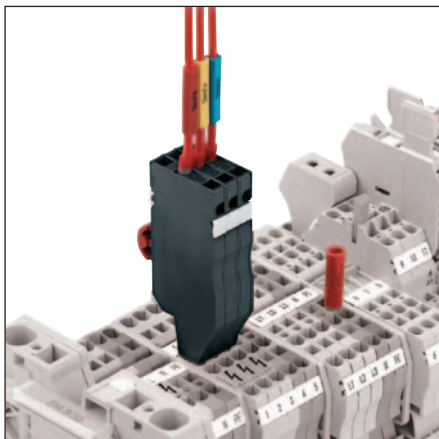


A pluggable **cross-connection system (ZQV)** is available for all Z series terminals.

The current is distributed across any number of terminals by simply plugging the cross-connection into the middle of the terminals. As a rule, 400 V can be conveyed across the cross-section, depending on the rated voltage of the terminal.

## Testing

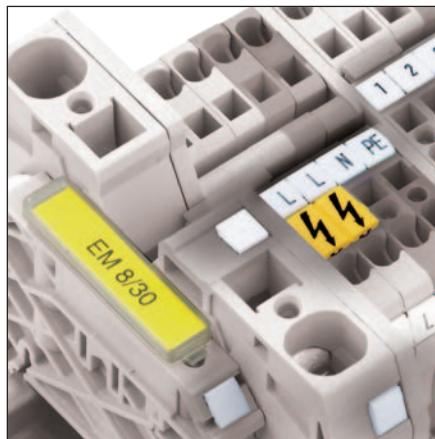
Page C.110



The slot-in test adapter (ZTA) is used as a single unit and as a test adapter strip for voltage measurement in switch cabinets. The test adapter is ideal for convenient, rational testing of assembled terminals. It is simply slotted onto the terminal. This creates contact with the current carrying busbar. The unit is released from the terminal simply by pressing the release button.

## Marking and connecting

Chapter M, chapter N, page C.112



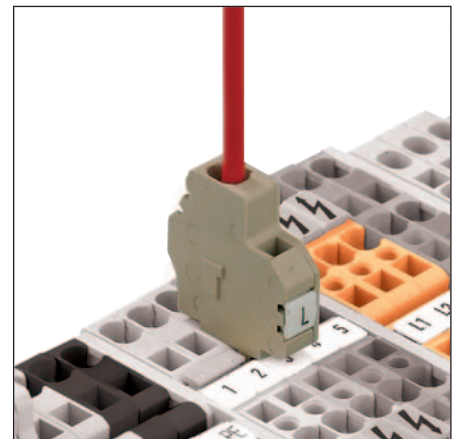
Weidmüller's marking systems in **chapter M** are used to mark tension clamp terminals. Individual terminal points, terminal groups and conductors can be marked.

The conductors are connected in the tension clamp terminals with standard screwdrivers, as shown in **chapter N**.

As an alternative to screwdrivers, fully insulated operating tools are also available; see page **C.112**

## Specific functions/colour variations

Page C.113

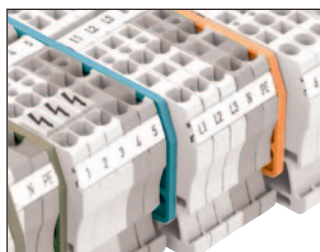


Further helpful accessories are available for terminals using tension clamp technology, such as:

- Pluggable extra connections (ZZA)
- Housings for installation of electronic components (ZBS 1)
- Pluggable fuse holder (SIHA 1 to SIHA 3)
- Terminals in various colours.

# Accessories – Visual separation

## End cover plates



### Shock protection

With only a few exceptions, the final terminal in a terminal assemble must be covered with an end cover plate of type ZAP/TW. End cover plates (AP) are also to be inserted in a terminal assemble with different sized terminals. This guarantees shock protection from conducting parts and ensures that the terminals are "finger-safe".

### Visual separation

Coloured end cover plates are frequently used for visual separation of power circuits, in order to prevent wiring errors.

### Ensure correct operating voltage

End cover plates (AP) can also be used to ensure the necessary creepage and clearance paths are present, to make sure that the rated voltage for the application is provided. For example, cross-connections can be set directly next to each other.

### Identical contours

The outer dimensions of the end cover plates (AP) correspond to the dimensions of the terminal.

### Mounting

The end cover plate (AP) can simply be clipped onto the corresponding terminal. Recesses in the terminals ensure that contours are identical with correct positioning.

## ... for standard terminals

| Type                   | Colour     | Qty. | Order no.  | For terminal:       |
|------------------------|------------|------|------------|---------------------|
| <b>Width 2 mm</b>      |            |      |            |                     |
| ZAP/TW ZDU 1.5/2 AN    | Dark beige | 50   | 1776030000 | ZDU 1.5             |
| ZAP/TW ZDU 1.5/2 AN BL | Blue       | 50   | 1776040000 | ZPE 1.5             |
| ZAP/TW ZDU 1.5/2 AN OR | Orange     | 50   | 1776050000 |                     |
| <b>Width 2 mm</b>      |            |      |            |                     |
| ZAP/TW ZDU 1.5/3 AN    | Dark beige | 50   | 1776060000 | ZDU 1.5/3 AN        |
| ZAP/TW ZDU 1.5/3 AN BL | Blue       | 50   | 1776070000 | ZPE 1.5/3 AN        |
| ZAP/TW ZDU 1.5/3 AN OR | Orange     | 50   | 1776080000 |                     |
| <b>Width 2 mm</b>      |            |      |            |                     |
| ZAP/TW ZDU 1.5/4 AN    | Dark beige | 50   | 1776090000 | ZDU 1.5/4 AN        |
| ZAP/TW ZDU 1.5/4 AN BL | Blue       | 50   | 1776100000 | ZPE 1.5/4 ANL       |
| ZAP/TW ZDU 1.5/4 AN OR | Orange     | 50   | 1776110000 |                     |
| <b>Width 2 mm</b>      |            |      |            |                     |
| ZAP/TW ZDK1.5          | Dark beige | 20   | 1791160000 | ZDK 1.5             |
| ZAP/TW ZDK1.5 BL       | Blue       | 20   | 1791170000 | ZDK 1.5 V           |
| ZAP/TW ZDK1.5 OR       | Orange     | 20   | 1791180000 | ZDK 1.5 PE          |
| <b>Width 2 mm</b>      |            |      |            |                     |
| ZAP/TW 1               | Dark beige | 50   | 1608740000 | ZDU 2.5             |
| ZAP/TW 1 BL            | Blue       | 50   | 1608750000 | ZPE 2.5             |
| ZAP/TW 1 OR            | Orange     | 50   | 1608760000 |                     |
| ZAP/TW 1 BR            | Brown      | 50   | 1683700000 |                     |
| ZAP/TW 1 GE            | Yellow     | 50   | 1683670000 |                     |
| ZAP/TW 1 GN            | Green      | 50   | 1683680000 |                     |
| ZAP/TW 1 GR            | Grey       | 50   | 1683710000 |                     |
| ZAP/TW 1 RT            | Red        | 50   | 1683660000 |                     |
| ZAP/TW 1 SW            | Black      | 50   | 1683730000 |                     |
| ZAP/TW 1 VI            | Violet     | 50   | 1683690000 |                     |
| ZAP/TW 1 WS            | White      | 50   | 1683720000 |                     |
| <b>Width 2 mm</b>      |            |      |            |                     |
| ZAP/TW 2 DB            | Dark beige | 50   | 1608770000 | ZDU 2.5/3 AN        |
| ZAP/TW 2 BL            | Blue       | 50   | 1608780000 | ZPE 2.5/3 AN        |
| ZAP/TW 2 OR            | Orange     | 50   | 1608790000 | ZTR 2.5...          |
| ZAP/TW 2 BR            | Brown      | 50   | 1683780000 | ZTR 2.5/SI...       |
| ZAP/TW 2 GE            | Yellow     | 50   | 1683750000 |                     |
| ZAP/TW 2 GN            | Green      | 50   | 1683760000 |                     |
| ZAP/TW 2 GR            | Grey       | 50   | 1683790000 |                     |
| ZAP/TW 2 RT            | Red        | 50   | 1683740000 |                     |
| ZAP/TW 2 SW            | Black      | 50   | 1683810000 |                     |
| ZAP/TW 2 VI            | Violet     | 50   | 1683770000 |                     |
| ZAP/TW 2 WS            | White      | 50   | 1683800000 |                     |
| <b>Width 2 mm</b>      |            |      |            |                     |
| ZAP/TW 3               | Dark beige | 50   | 1608800000 | ZDU 2.5/4 AN        |
| ZAP/TW 3 BL            | Blue       | 50   | 1608810000 | ZDU 2.5/2x2 AN...   |
| ZAP/TW 3 OR            | Orange     | 50   | 1608820000 | ZPE 2.5/4 AN        |
| ZAP/TW 3 BR            | Brown      | 50   | 1683860000 | ZTR 2.5/3 AN...     |
| ZAP/TW 3 GE            | Yellow     | 50   | 1683830000 | ZTR 2.5/4 AN...     |
| ZAP/TW 3 GN            | Green      | 50   | 1683840000 | ZSI 2.5...          |
| ZAP/TW 3 GR            | Grey       | 50   | 1683870000 | ZSI 2.5/5 x 25...   |
| ZAP/TW 3 RT            | Red        | 50   | 1683820000 |                     |
| ZAP/TW 3 SW            | Black      | 50   | 1683890000 |                     |
| ZAP/TW 3 VI            | Violet     | 50   | 1683850000 |                     |
| ZAP/TW 3 WS            | White      | 50   | 1683880000 |                     |
| <b>Width 2 mm</b>      |            |      |            |                     |
| ZAP/TW ZDK2.5/1.5      | Dark beige | 20   | 1674730000 | ZDK 2.5/1.5         |
| ZAP/TW ZDK2.5/1.5 BL   | Blue       | 20   | 1748800000 | ZDK 2.5/1.5 V       |
| ZAP/TW ZDK2.5/1.5 OR   | Orange     | 20   | 1690080000 | ZDK 2.5/1.5 N-DU    |
|                        |            |      |            | ZDK 2.5/1.5 DU-PE   |
|                        |            |      |            | ZDK 2.5/1.5 PE      |
|                        |            |      |            | ZDK 2.5/1.5/LD/1    |
|                        |            |      |            | ZDK 2.5/1.5/LD/2    |
|                        |            |      |            | ZDK 2.5/1.5/D/1...6 |
| <b>Width 2 mm</b>      |            |      |            |                     |
| ZAP ZDLD2.5-2 N        | Dark beige | 20   | 1782340000 | ZDLD 2.5-2 N        |
| ZAP ZDLD2.5-2 N BL     | Blue       | 20   | 1782350000 | ZDLD 2.5-2 VN       |
| ZAP ZDLD2.5-2 N OR     | Orange     | 20   | 1782360000 |                     |



## Terminals, Z-Series

### ... for roof-style terminals

| Type                  | Colour     | Qty. | Order no.  | For terminal:                                                                                               |
|-----------------------|------------|------|------------|-------------------------------------------------------------------------------------------------------------|
| Width 2 mm            |            |      |            |                                                                                                             |
| ZAP/TW7               | Dark beige | 50   | 1706110000 | ZDU 2.5-2                                                                                                   |
| ZAP/TW7 BL            | Blue       | 50   | 1706120000 | ZDU 2.5-2/3 AN                                                                                              |
| ZAP/TW7 OR            | Orange     | 50   | 1706130000 | ZDU 2.5-2/4 AN<br>ZPE 2.5-2<br>ZPE 2.5-2/3 AN<br>ZPE 2.5-2/4 AN<br>ZTR 2.5-2<br>ZTR 2.5-2/SI<br>ZTR 2.5-2/D |
| Width 2 mm            |            |      |            |                                                                                                             |
| ZAP/TW ZDK 2.5-2      | Dark beige | 20   | 1791050000 | ZDK 2.5-2                                                                                                   |
| ZAP/TW ZDK 2.5-2 BL   | Blue       | 20   | 1791060000 | ZDK 2.5-2 PE                                                                                                |
| ZAP/TW ZDK 2.5-2 OR   | Orange     | 20   | 1791070000 |                                                                                                             |
| Width 2 mm            |            |      |            |                                                                                                             |
| ZAP/TW ZDKPE 2.5-2    | Dark beige | 20   | 1805960000 | ZDKPE 2.5-2                                                                                                 |
| ZAP/TW ZDKPE 2.5-2 OR | Orange     | 20   | 1805970000 |                                                                                                             |
| Width 2 mm            |            |      |            |                                                                                                             |
| ZAP ZDU 4-2           | Dark beige | 50   | 1770400000 | ZDU 4-2                                                                                                     |
| ZAP ZDU 4-2 BL        | Blue       | 50   | 1770880000 | ZDU 4-2/3 AN                                                                                                |
| ZAP ZDU 4-2 OR        | Orange     | 50   | 1770890000 | ZPE 4-2<br>ZPE 4-2/3 AN                                                                                     |
| Width 2 mm            |            |      |            |                                                                                                             |
| ZAP ZDU 4-2/4 AN      | Dark beige | 50   | 1807010000 | ZDU 4-2/4 AN                                                                                                |
| ZAP ZDU 4-2/4 AN BL   | Blue       | 50   | 1807020000 | ZPE 4-2/4 AN                                                                                                |
| ZAP ZDU 4-2/4 AN OR   | Orange     | 50   | 1807030000 |                                                                                                             |
| Width 2 mm            |            |      |            |                                                                                                             |
| ZAP ZDU 6-2           | Dark beige | 50   | 1771440000 | ZDU 6-2                                                                                                     |
| ZAP ZDU 6-2 BL        | Blue       | 50   | 1771450000 | ZDU 6-2/3 AN                                                                                                |
| ZAP ZDU 6-2 OR        | Orange     | 50   | 1771460000 | ZPE 6-2                                                                                                     |
| ZAP ZDU 6-2 SW        | Black      | 50   | 1814710000 | ZPE 6-2/3 AN                                                                                                |
| Width 1.8 mm          |            |      |            |                                                                                                             |
| ZAP/ZDU 16-2/1AN      | Dark beige | 20   | 1772970000 | ZPE 16-2/1AN                                                                                                |

# Accessories – Visual separation

## ... for initiator actuator terminals

| Type                | Colour     | Qty. | Order no.         | For terminal:                |
|---------------------|------------|------|-------------------|------------------------------|
| <b>Width 5 mm</b>   |            |      |                   |                              |
| ZAP/TW ZPV 1.5      | Dark beige | 50   | <b>1674650000</b> | ZPV 1.5                      |
| <b>Width 5 mm</b>   |            |      |                   |                              |
| ZAP/TWZIA 1.5/3L    | Dark beige | 50   | <b>1649540000</b> | ZIA1.5/3L-1S<br>ZIA1.5/3L-PE |
| <b>Width 2.5 mm</b> |            |      |                   |                              |
| ZAP/TWZIA 1.5/4L    | Dark beige | 50   | <b>1649550000</b> | ZIA1.5/4L-1S<br>ZIA1.5/4L-PE |
| <b>Width 5.1 mm</b> |            |      |                   |                              |
| AP ZRV 1.5 DB       | Dark beige | 10   | <b>1698180000</b> |                              |

## ... for installation terminals

| Type                | Colour     | Qty. | Order no.         | For terminal:                                                                                                                                        |
|---------------------|------------|------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Width 1.5 mm</b> |            |      |                   |                                                                                                                                                      |
| ZAP ZDL 2.5S        | Dark beige | 20   | <b>1720900000</b> | ZDL 2.5/S...                                                                                                                                         |
| <b>Width 3 mm</b>   |            |      |                   |                                                                                                                                                      |
| ZHP ZDL 2.5S BL     | Blue       | 20   | <b>1720890000</b> | ZDL 2.5/S...                                                                                                                                         |
| ZHP Z/W BL          | Blue       | 20   | <b>1745180000</b> | ZDK 4/S...<br>ZDK 6/S...                                                                                                                             |
| <b>Width 5 mm</b>   |            |      |                   |                                                                                                                                                      |
| ZHP Z/W SO          |            | 20   | <b>1781070000</b> | ZDL 2.5/S...<br>ZDK 4/S...<br>ZDK 6/S...                                                                                                             |
| <b>Width 1.5 mm</b> |            |      |                   |                                                                                                                                                      |
| ZAP ZDL 2.5         | Dark beige | 20   | <b>1720910000</b> | ZDL 2.5...                                                                                                                                           |
| <b>Width 1.5 mm</b> |            |      |                   |                                                                                                                                                      |
| ZAP ZDU 2.5 S       | Dark beige | 20   | <b>1808030000</b> | ZDU 2.5 S                                                                                                                                            |
| ZAP ZDU 2.5 S BL    | Blue       | 20   | <b>1808040000</b> | ZNT 2.5 S                                                                                                                                            |
| ZAP ZDU 2.5 S OR    | Orange     | 20   | <b>1808050000</b> | ZPE 2.5 S                                                                                                                                            |
| <b>Width 1.5 mm</b> |            |      |                   |                                                                                                                                                      |
| ZAP ZDU 4 S         | Dark beige | 20   | <b>1808380000</b> | ZDU 4 S                                                                                                                                              |
| ZAP ZDU 4 S BL      | Blue       | 20   | <b>1808390000</b> | ZNT 4 S                                                                                                                                              |
| ZAP ZDU 4 S OR      | Orange     | 20   | <b>1808400000</b> | ZPE 4 S                                                                                                                                              |
| <b>Width 1.5 mm</b> |            |      |                   |                                                                                                                                                      |
| ZAP ZDU 6 S         | Dark beige | 20   | <b>1808250000</b> | ZDU 6 S                                                                                                                                              |
| ZAP ZDU 6 S BL      | Blue       | 20   | <b>1808260000</b> | ZNT 6 S                                                                                                                                              |
| ZAP ZDU 6 S OR      | Orange     | 20   | <b>1808270000</b> | ZPE 6 S                                                                                                                                              |
| <b>Width 2 mm</b>   |            |      |                   |                                                                                                                                                      |
| ZAP ZDU 10/16 S     | Dark beige | 20   | <b>1739660000</b> | ZDU 10 S, ZDU 16 S<br>ZNT 10 S, ZNT 16 S<br>ZPE 10 S, ZPE 16 S                                                                                       |
| <b>Width 2 mm</b>   |            |      |                   |                                                                                                                                                      |
| ZAP/ZDK 4/6/S       | Dark beige | 20   | <b>1733240000</b> | ZDK 4/S...<br>ZDK 6/S...                                                                                                                             |
| <b>Width 3 mm</b>   |            |      |                   |                                                                                                                                                      |
| ZHP S SO            |            | 20   | <b>1808280000</b> | ZDU 2.5 S                                                                                                                                            |
| ZHP S               |            | 20   | <b>1808290000</b> | ZNT 2.5 S<br>ZPE 2.5 S<br>ZDU 4 S, ZDU 6 S<br>ZNT 4 S, ZNT 6 S<br>ZPE 4 S, ZPE 6 S<br>ZDU 10 S, ZDU 16 S<br>ZNT 10 S, ZNT 16 S<br>ZPE 10 S, ZPE 16 S |

## ... for mini-terminals

| Type                 | Colour     | Qty. | Order no.         | For terminal:                                                |
|----------------------|------------|------|-------------------|--------------------------------------------------------------|
| <b>Width 1.5 mm</b>  |            |      |                   |                                                              |
| ZAP/TW ZDUA          | Dark beige | 50   | <b>1720960000</b> | ZDUA 2.5-2                                                   |
| ZAP/TW ZDUA BL       | Blue       | 50   | <b>1720970000</b> | ZPEA 2.5-2                                                   |
| ZAP/TW ZDUA OR       | Orange     | 50   | <b>1720980000</b> |                                                              |
| <b>Width 2 mm</b>    |            |      |                   |                                                              |
| ZAP/TW ZDUA2.5-2N    | Dark beige | 50   | <b>1808170000</b> | ZDUA 2.5-2N                                                  |
| ZAP/TW ZDUA2.5-2N BL | Blue       | 50   | <b>1808150000</b> | ZPEA 2.5-2N                                                  |
| ZAP/TW ZDUA2.5-2N OR | Orange     | 50   | <b>1808160000</b> |                                                              |
| <b>Width 5.1 mm</b>  |            |      |                   |                                                              |
| ZAP ZDUB             | Dark beige | 50   | <b>1704750000</b> | ZDUB 2.5/2 AN...                                             |
| ZAP ZDUB BL          | Blue       | 50   | <b>1704760000</b> | ZDUB 2.5/4 AN...                                             |
| ZAP ZDUB OR          | Orange     | 50   | <b>1704770000</b> | ZPEB 2.5/2 AN                                                |
| <b>Width 5.1 mm</b>  |            |      |                   |                                                              |
| ZTW ZDUB             | Dark beige | 50   | <b>1704340000</b> | <b>ZDUB 2.5/2 AN...</b><br>ZDUB 2.5/4 AN...<br>ZPEB 2.5/2 AN |

## ... for WeiCoS pluggable terminals

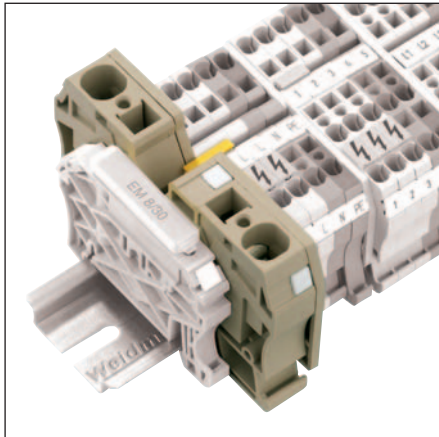
| Type                    | Colour     | Qty. | Order no.         | For terminal:                   |
|-------------------------|------------|------|-------------------|---------------------------------|
| <b>Width 2.5 mm</b>     |            |      |                   |                                 |
| ZAP/TW ZT 2.5/2 AN      | Dark beige | 50   | <b>1816030000</b> | ZT 2.5/2 AN/1                   |
| ZAP/TW ZT 2.5/2 AN OR   | Orange     | 50   | <b>1816040000</b> | ZTPE 2.5/2 AN/1                 |
| <b>Width 2.5 mm</b>     |            |      |                   |                                 |
| ZAP/TW ZT 2.5/3 AN      | Dark beige | 50   | <b>1816050000</b> | ZT 2.5/3 AN/1                   |
| ZAP/TW ZT 2.5/3 AN OR   | Orange     | 50   | <b>1816060000</b> | ZTPE 2.5/3 AN/1                 |
| <b>Width 2.5 mm</b>     |            |      |                   |                                 |
| ZAP/TW ZT 2.5/4 AN/2    | Dark beige | 50   | <b>1816070000</b> | ZT 2.5/4 AN/2                   |
| ZAP/TW ZT 2.5/4 AN/2 OR | Orange     | 50   | <b>1816080000</b> | ZTPE 2.5/4 AN/2                 |
| <b>Width 2.5 mm</b>     |            |      |                   |                                 |
| ZAP/TW ZT 2.5/4 AN/4    | Dark beige | 50   | <b>1816090000</b> | ZT 2.5/4 AN/4                   |
| ZAP/TW ZT 2.5/4 AN/4 OR | Orange     | 50   | <b>1816100000</b> | ZTPE 2.5/4 AN/4                 |
| <b>Width 2.5 mm</b>     |            |      |                   |                                 |
| ZAP/TW ZDT 2.5/2        | Dark beige | 50   | <b>1816110000</b> | ZDT 2.5/2                       |
| ZAP/TW ZDT 2.5/2 OR     | Orange     | 50   | <b>1816120000</b> | ZDT 2.5/2 DU-PE<br>ZDT 2.5/2 PE |

## ... for other applications

| Type                | Colour     | Qty. | Order no.         | For terminal: |
|---------------------|------------|------|-------------------|---------------|
| <b>Width 2 mm</b>   |            |      |                   |               |
| ZTW ZTL6            | Dark beige | 20   | <b>1771870000</b> | ZTL 6/STB     |
| ZTW ZTL6 OR         | Orange     | 20   | <b>1771880000</b> | ZTD 6         |
| <b>Width 1.5 mm</b> |            |      |                   |               |
| ZAP ZDU 4 NT        | Dark beige | 20   | <b>1757970000</b> | ZDU 4NT       |
| ZHP ZDU4/NT SO      |            | 20   | <b>1803890000</b> |               |
| <b>Width 2 mm</b>   |            |      |                   |               |
| ZAP ZDU 10/16S      | Dark beige | 20   | <b>1739660000</b> | ZDU 10 NT     |

## Accessories – Electrical supply

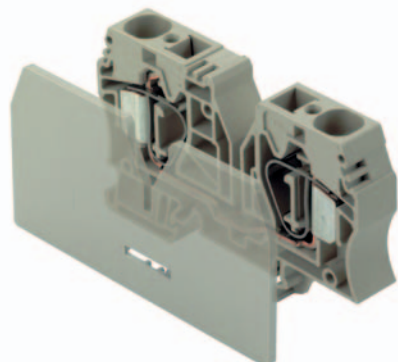
### ZEI 16 supply terminal



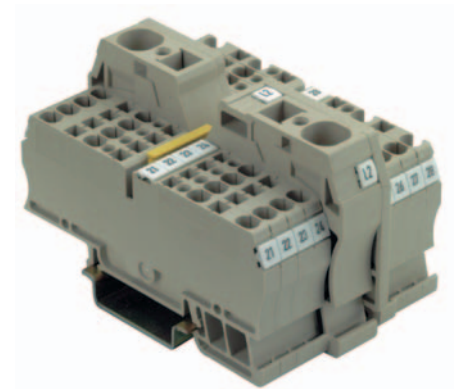
The **ZEI 16** supply terminal can be used for supplying current up to a conductor cross-section of 25 mm². Standard cross-connectors distribute the current to any number of terminals with smaller cross-section.

The following tables show a number of options for distributing current at the supply point, together with corresponding cross-connections and the maximum current.

#### Integrated partition plate

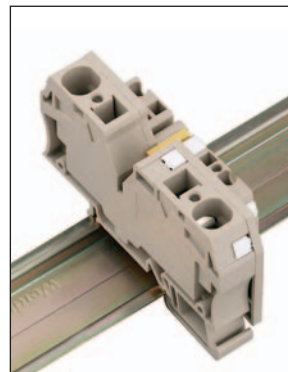


#### Feeder possible on left and right

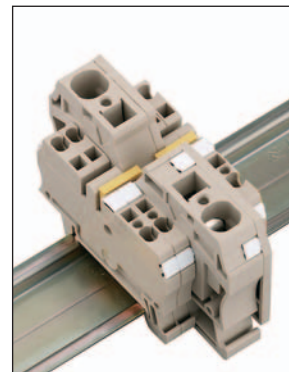


#### Feeder options and corresponding cross-connections

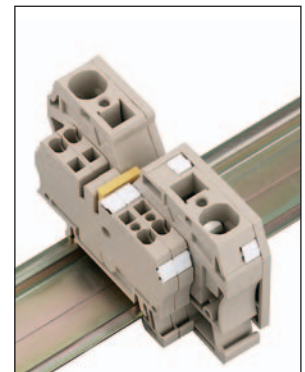
| Supply terminal | Feeder terminal     | Cross-connection   | Supply on the left | Supply on the right |
|-----------------|---------------------|--------------------|--------------------|---------------------|
| <b>ZEI 16</b>   | <b>ZDU 2.5</b>      | <b>ZQV 2.5/...</b> | •                  | •                   |
|                 | <b>ZDU 2.5/4 AN</b> | <b>ZQV 2.5/...</b> | •                  | •                   |
|                 | <b>ZDU 4</b>        | <b>ZQV 4/...</b>   | •                  | •                   |
|                 | <b>ZDU 4/3 AN</b>   | <b>ZQV 4/...</b>   | •                  |                     |
|                 | <b>ZDU 4/4 AN</b>   | <b>ZQV 4/...</b>   | •                  |                     |
|                 | <b>ZDU 6</b>        | <b>ZQV 6/...</b>   | •                  | •                   |
|                 | <b>ZDU 6/3 AN</b>   | <b>ZQV 6/...</b>   | •                  |                     |



$$I_{\max} = \sum I_n \text{ (left)}$$



$$I_{\max} = \sum I_n \text{ (left)} + \sum I_n \text{ (right)}$$



$$I_{\max} = \sum I_n \text{ (right)}$$

#### Order data

| Type      | Colour     | Qty. | Order no.  |
|-----------|------------|------|------------|
| ZEI 16    | dark beige | 20   | 1745350000 |
| ZEI 16 BL | blue       | 20   | 1766240000 |

#### Max. conveyed current $I_{\max}$

| Feeder terminals    | Cross-connection | Conductor cross-section at supply | Supply on left/right | Supply middle |
|---------------------|------------------|-----------------------------------|----------------------|---------------|
| <b>ZDU 2.5</b>      | <b>ZQV 2.5</b>   | 16 mm²                            | 48 A                 | 76 A          |
|                     |                  | 25 mm²                            | 48 A                 | 89 A          |
| <b>ZDU 2.5/4 AN</b> | <b>ZQV 2.5</b>   | 16 mm²                            | 48 A                 | 76 A          |
|                     |                  | 25 mm²                            | 48 A                 | 89 A          |
| <b>ZDU 4</b>        | <b>ZQV 4</b>     | 16 mm²                            | 64 A                 | 76 A          |
|                     |                  | 25 mm²                            | 66 A                 | 100 A         |
| <b>ZDU 6</b>        | <b>ZQV 6</b>     | 16 mm²                            | 76 A                 | 76 A          |
|                     |                  | 25 mm²                            | 82 A                 | 100 A         |

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany. Delivery times see page X.2



## Accessories – Electrical supply

### Supply with standard terminals

According to IEC 60 204-1 and IEC 60 439-1, when reducing the conductors within distribution boards and controllers, protective devices for cables and conductors can be installed up to a maximum of 3 metres away from the supply side and need not be positioned at the beginning of the supply side.

The conductor before the feeder fuse must be routed to make it “short-circuit proof”.

Supply on the left



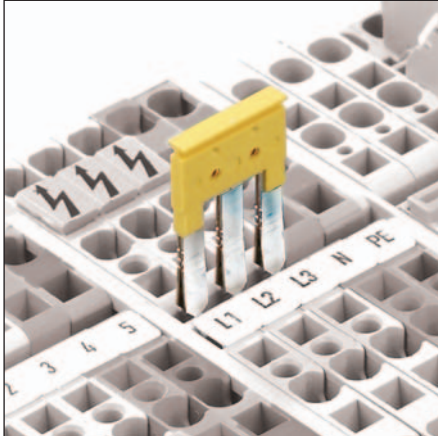
Supply on the right



### Supply options and corresponding cross-connections

| Supply terminal | Feeder terminal | Cross-connection | Supply on the left | Supply on the right |
|-----------------|-----------------|------------------|--------------------|---------------------|
| ZDU 2.5         | ZDU 2.5         | ZQV 2.5/...      | •                  | •                   |
|                 | ZDU 2.5/3AN     | ZQV 2.5/...      | •                  |                     |
|                 | ZDU 2.5/4AN     | ZQV 2.5/...      | •                  |                     |
|                 | ZTR 2.5         | ZQV 2.5/...      | •                  |                     |
|                 | ZDU 4           | ZQV 2.5/...      | •                  | •                   |
|                 | ZDU 6           | ZQV 2.5/...      | •                  |                     |
| ZDU 2.5 / 3AN   | ZDU 2.5         | ZQV 2.5/...      |                    | •                   |
|                 | ZDU 2.5 / 3AN   | ZQV 2.5/...      | •                  | •                   |
|                 | ZTR 2.5         | ZQV 2.5/...      | •                  | •                   |
| ZDU 2.5 / 4AN   | ZDU 2.5         | ZQV 2.5/...      |                    | •                   |
|                 | ZDU 2.5 / 4AN   | ZQV 2.5/...      | •                  | •                   |
|                 | ZDU 4           | ZQV 2.5/...      |                    | •                   |
|                 | ZDU 6           | ZQV 2.5/...      |                    | •                   |
| ZTR 2.5         | ZDU 2.5         | ZQV 2.5/...      |                    | •                   |
|                 | ZDU 2.5 / 3AN   | ZQV 2.5/...      | •                  | •                   |
|                 | ZTR 2.5         | ZQV 2.5/...      | •                  | •                   |
| ZDU 4           | ZDU 2.5         | ZQV 2.5/...      | •                  | •                   |
|                 | ZDU 2.5/4AN     | ZQV 2.5/...      | •                  |                     |
|                 | ZDU 4           | ZQV 4/...        | •                  | •                   |
|                 | ZDU 6           | ZQV 4/...        | •                  | •                   |
| ZDU 4/3 AN      | ZDU 2.5         | ZQV 2.5/...      | •                  | •                   |
|                 | ZDU 4           | ZQV 4/...        | •                  | •                   |
|                 | ZDU 4/3         | ZQV 4/...        | •                  | •                   |
|                 | ZDU 4/4         | ZQV 4/...        | •                  |                     |
|                 | ZDU 6           | ZQV 4/...        |                    | •                   |
|                 | ZDU 6/3 AN      | ZQV 4/...        | •                  | •                   |
| ZDU 4/4 AN      | ZDU 2.5         | ZQV 2.5/...      |                    | •                   |
|                 | ZDU 2.5/4 AN    | ZQV 2.5/...      |                    | •                   |
|                 | ZDU 4           | ZQV 4/...        |                    | •                   |
|                 | ZDU 4/3 AN      | ZQV 4/...        |                    | •                   |
|                 | ZDU 4/4 AN      | ZQV 4/...        | •                  | •                   |
|                 | ZDU 6           | ZQV 6/...        |                    | •                   |
| ZDU 6           | ZDU 2.5         | ZQV 2.5/...      |                    | •                   |
|                 | ZDU 2.5/4 AN    | ZQV 2.5/...      | •                  |                     |
|                 | ZDU 4           | ZQV 4/...        | •                  | •                   |
|                 | ZDU 6           | ZQV 6/...        | •                  | •                   |
| ZDU 6/3 AN      | ZDU 2.5         | ZQV 2.5/...      |                    | •                   |
|                 | ZDU 4           | ZQV 4/...        |                    | •                   |
|                 | ZDU 4/3 AN      | ZQV 4/...        |                    | •                   |
|                 | ZDU 6           | ZQV 6/...        |                    | •                   |
|                 | ZDU 6/3 AN      | ZQV 6/...        | •                  | •                   |

## ZQV pluggable cross-connectors



The quick and easy to use cross-connection system for tension clamp terminals.

- **ZQV 2.5** as 2- to 10-pole combs and ZQV 2.5/20 – continuous (50-pole)
- **ZQV 4** as 2- to 10-pole combs
- **ZVQ 6** as 2- to 4-pole combs and ZQV6/32 – continuous (32-pole)
- **ZQV 10, ZQV 16** and **ZQV 35** as 2-pole combs (bridges)
- **ZQV 35-10, ZQV 35-16** and **ZQV 16-10** as reducer cross-connector distributes current from terminals with larger cross-sections to terminals with smaller cross-section
- **ZQV 2.5N** as 2- to 10-pole combs and ZQV2.5N/50 – continuous (50-pole)

These versions come with complete shock protection.

However, please note that the rated voltage is reduced to 400 V when using cross-connectors (e.g. for terminal types ZDU 2.5 to ZDU 35 and ZDU 2.5-2). This does not apply to terminals with a rated voltage below 500V. Here the rated voltage of the used terminal is mandatory (e.g. terminal types ZTR 2.5 and ZTR 2.5/3AN).

If individual or multiple (up to 60%) of the contact elements are broken out of the cross-connections, terminals can – in certain applications – be bypassed.



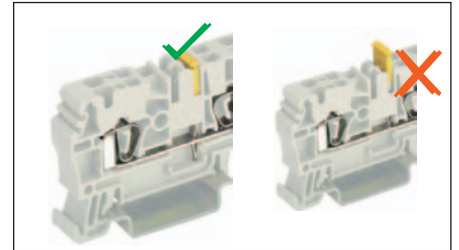
### Inserting and changing

Cross-connections are quick and easy to both insert and change.

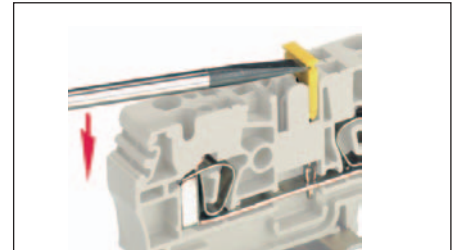
- Introduce cross-connector in the cross-connection channel of the terminals ...



... and press in completely (the cross-connector must not protrude from the channel).

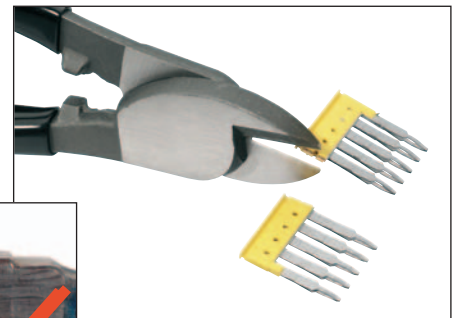


To remove or replace, simply lift out with a screwdriver.



### Shortening cross-connections

Cross-connections can be shortened using a suitable cutting tool, e.g. KT ZQV (Order no. 900217). However, three contact elements must always be retained.

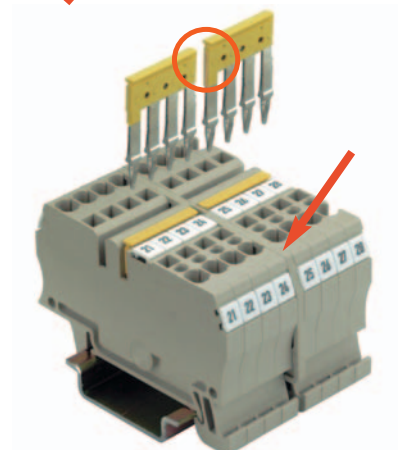


### Caution:

Contact elements must not be damaged or deformed!

If the user shortens the cross-connection, then partition plates or end cover plates (ZAP/TW...) must be used for terminals ZDU 2.5/... to maintain the rated voltage of 250 V.

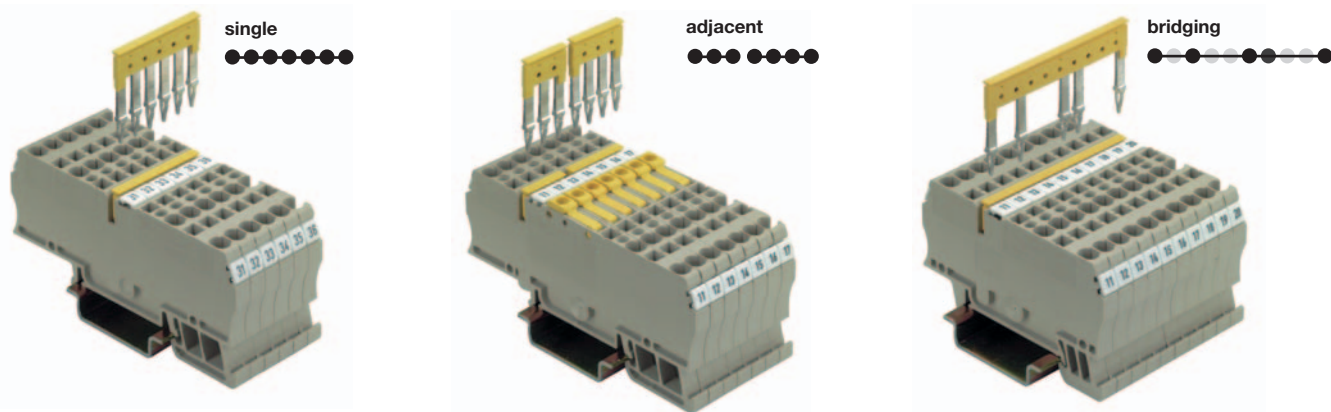
(Fitted to the bare edges of the cross-connection).



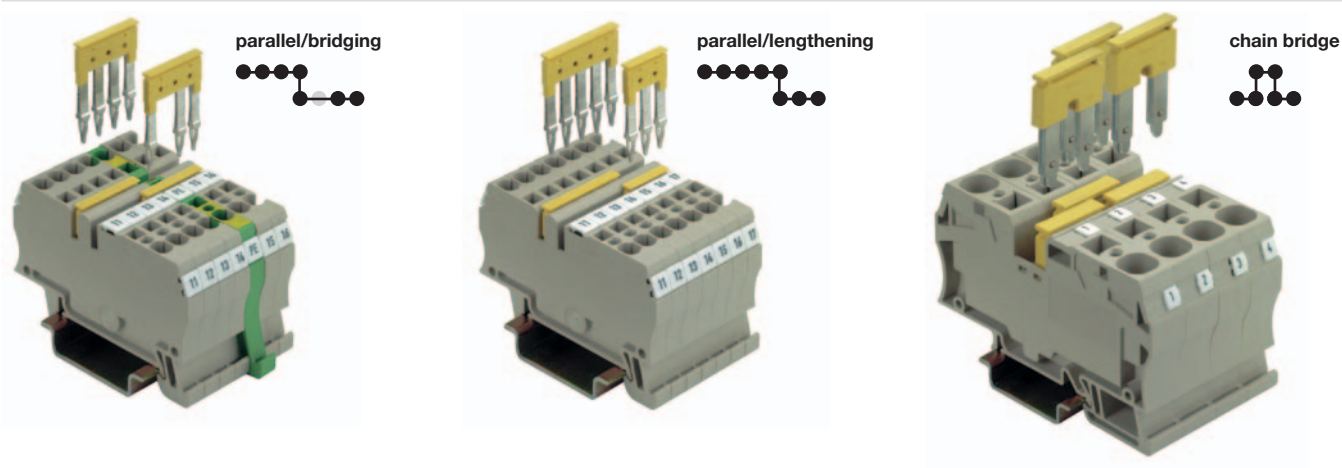
## Accessories – Electrical distribution

### Possible combinations

#### In one cross-connection channel



#### In two cross-connection channels



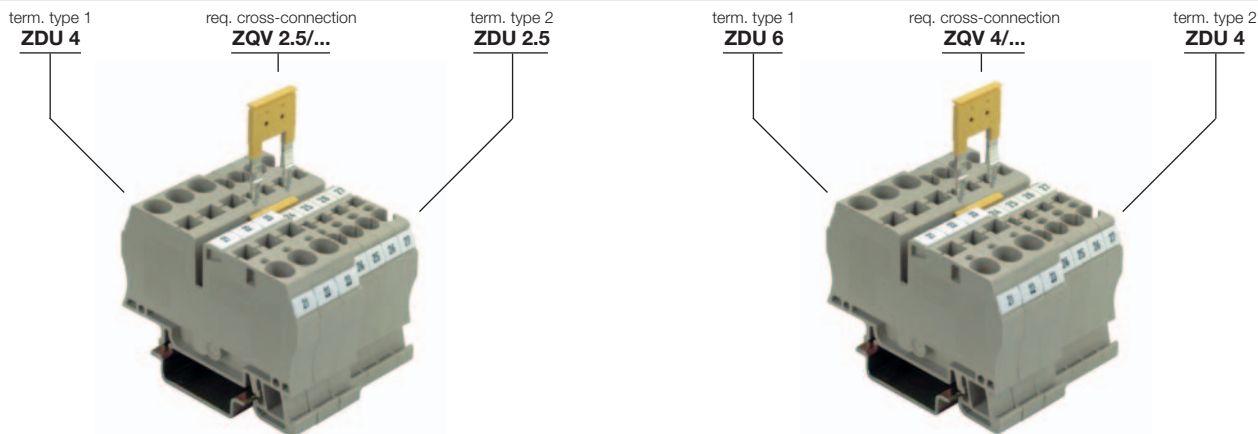
### Possible cross-connections of terminals of the same type with corresponding cross-connectors

| Terminal type          | Cross-connection | single | adjacent | bridging | chain bridge | parallel bridging | parallel lengthening |
|------------------------|------------------|--------|----------|----------|--------------|-------------------|----------------------|
| Standard terminals     |                  |        |          |          |              |                   |                      |
| ZDU 2.5                | ZQV 2.5/...      | •      | •        | •        | •            | •                 | •                    |
| ZDU 2.5 / 3 AN         | ZQV 2.5/...      | •      | •        | •        |              |                   |                      |
| ZDU 2.5 / 4 AN         | ZQV 2.5/...      | •      | •        | •        |              |                   |                      |
| ZTR 2.5 ...            | ZQV 2.5/...      | •      | •        | •        |              |                   |                      |
| ZSI 2.5 ...            | ZQV 2.5/...      | •      | •        | •        |              |                   |                      |
| ZDU 4 ...              | ZQV 4/...        | •      | •        | •        |              |                   |                      |
| ZDU 6 ...              | ZQV 6/...        | •      | •        | •        |              |                   |                      |
| ZDU 10, ZDU 16, ZDU 35 | ZQV 10/2         | •      |          |          | •            |                   |                      |
| ZPE 2.5                | ZQV 2.5/...      |        |          | •        |              | •                 | •                    |
| ZPE 4                  | ZQV 4/...        |        |          | •        |              |                   |                      |
| ZPE 6                  | ZQV 6/...        |        |          | •        |              |                   |                      |
| ZPE 10, ZPE 16, ZPE 35 | ZQV 10           | •      |          |          | •            |                   |                      |
| Roof-style terminals   |                  |        |          |          |              |                   |                      |
| ZDU 2.5-2              | ZQV 2.5/...      | •      | •        | •        | •            | •                 | •                    |
| ZDU 2.5-2 / 3 AN       | ZQV 2.5/...      | •      | •        | •        | •            | •                 | •                    |
| ZDU 4-2/...            | ZQV 4/...        | •      | •        | •        | •            | •                 | •                    |
| ZDU 6-2/...            | ZQV 6/...        | •      | •        | •        |              |                   |                      |
| ZPE 2.5-2              | ZQV 2.5/...      |        |          |          |              | •                 |                      |
| ZPE 2.5-2 / 3 AN       | ZQV 42.5/...     |        |          | •        |              | •                 |                      |
| ZPE 4-2/...            | ZQV 4/...        |        |          | •        |              | •                 |                      |
| ZPE 6-2/...            | ZQV 6/...        |        |          | •        |              |                   |                      |

## Accessories – Electrical distribution

Alternative cross-connections available

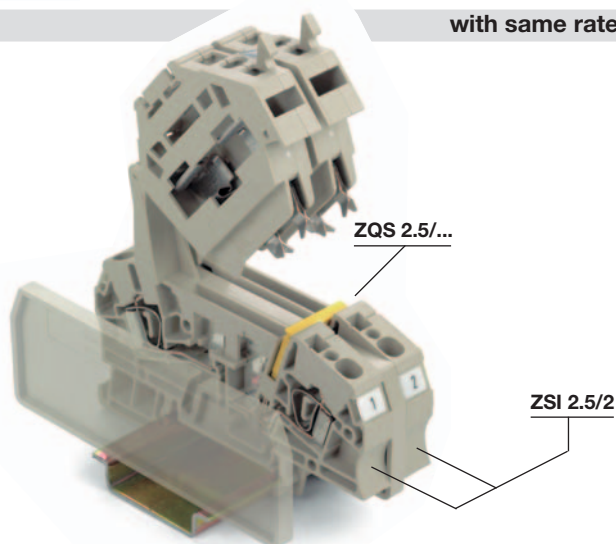
### Terminals with different rated cross-section



### Fuse terminals

with same rated cross-section

It is necessary to break out the cross-connection panel in the side wall of the fuse terminal.



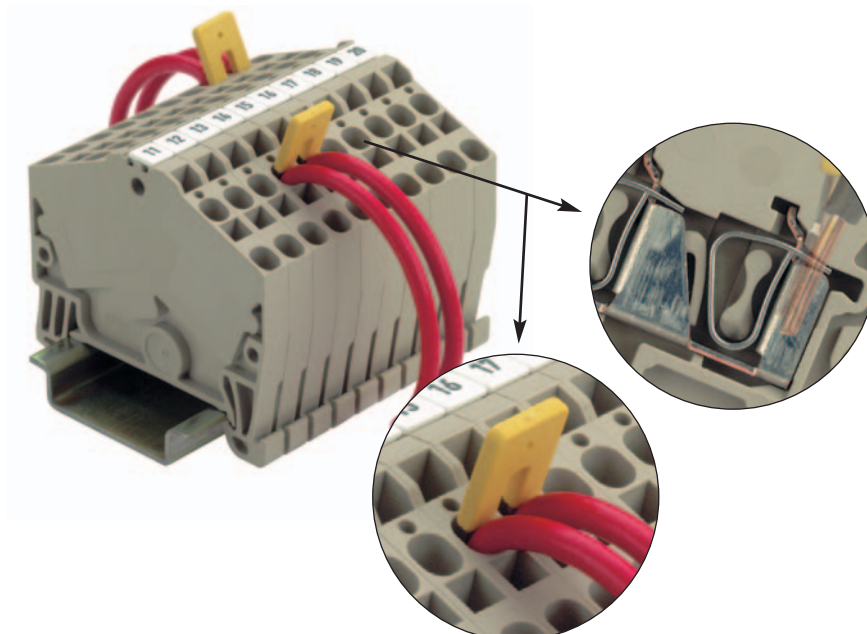
### Terminals without cross-connection channel – ZDU 2.5-2 / 4 AN

To cross connect ZDU 2.5-2/4 AN terminals, which do not have cross connection channels, use the **ZQB 2.5** cross-connection bridge to provides a simple cross connection solution.

The illustration shows how to fit ZQB 2.5 correctly.

Always ensure that the conductor is placed between the tension clamp and ZQB 2.5.

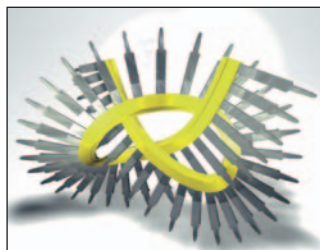
The conductor cross-sections reduced to 1.5 mm<sup>2</sup> "e" and "f" as a result of using ZWB 2.5.





# Accessories – Electrical distribution

## Cross-connections



### Tailor-made cross-connections

ZQV 2.5/50 is a cross-connection which can be used for connecting up to 20 individual terminals easily and quickly. The fitter simply cuts off the required number of poles from the 50 pole cross-connection comb. With this system, cross-connections with the correct number of poles are always available, and only a minimum of storage space is required. The large number of poles in the 50-pole comb means that unused residual quantities are virtually avoided. The ends of the continuous cross-connection are bare.

In the interests of stability, 2-pole cross-connections are not allowed. An end cover plate must always be fitted to neighbouring ZQVs with bare cut edges. In ZDU 2.5 and WDU 2.5 it is sufficient to fit the ZQV in the off-set position. The rated voltage is 400 V. In general, ZQV 2.5/50 can be used for up to 20 poles.

### Colour range

Different colours for marking the various cross-sections are available on request (e.g. differing circuits when using 2 cross-connection channels).

## ZQV 1.5



| Type       | Qty. | Order no.  |
|------------|------|------------|
| ZQV 1.5/2  | 60   | 1776120000 |
| ZQV 1.5/3  | 60   | 1776130000 |
| ZQV 1.5/4  | 60   | 1776140000 |
| ZQV 1.5/5  | 60   | 1776150000 |
| ZQV 1.5/10 | 20   | 1776200000 |

| For standard terminal | For roof-type terminal |
|-----------------------|------------------------|
| ZDU 1.5....           |                        |
| ZDK 1.5....           |                        |
| ZEI 6                 |                        |

## ZQV 2.5



| Type       | Qty. | Order no.  |
|------------|------|------------|
| ZQV 2.5/2  | 60   | 1608860000 |
| ZQV 2.5/3  | 60   | 1608870000 |
| ZQV 2.5/4  | 60   | 1608880000 |
| ZQV 2.5/5  | 20   | 1608890000 |
| ZQV 2.5/6  | 20   | 1608900000 |
| ZQV 2.5/7  | 20   | 1608910000 |
| ZQV 2.5/8  | 20   | 1608920000 |
| ZQV 2.5/9  | 20   | 1608930000 |
| ZQV 2.5/10 | 20   | 1608940000 |
| ZQV 2.5/50 | 10   | 1697540000 |

| For standard terminal | For roof-type terminal |
|-----------------------|------------------------|
| ZDU 2.5...            | ZDU 2.5-2...           |
| ZDK 2.5/1.5...        | ZDK 2.5-2              |
| ZTR 2.5...            | ZTR 2.5-2...           |
| ZDTR 2.5              | ZDLD 2.5-2...          |
| ZSI 2.5...            | ZDKPE 2.5-2            |
| ZRV 1.5...            | ZDU 2.5 S              |
| ZIA 1.5....           | ZNT 2.5 S              |
| ZEI 16                | ZEI 16-2/1 AN          |

## ZQV 4



| Type     | Qty. | Order no.  |
|----------|------|------------|
| ZQV 4/2  | 60   | 1608950000 |
| ZQV 4/3  | 60   | 1608960000 |
| ZQV 4/4  | 60   | 1608970000 |
| ZQV 4/5  | 20   | 1608980000 |
| ZQV 4/6  | 20   | 1608990000 |
| ZQV 4/7  | 20   | 1609000000 |
| ZQV 4/8  | 20   | 1609010000 |
| ZQV 4/9  | 20   | 1609020000 |
| ZQV 4/10 | 20   | 1609030000 |

| For standard terminal | For roof-type terminal |
|-----------------------|------------------------|
| ZDU 4...              | ZDU 4-2...             |
| ZDK 4/S...            | ZDU 4 S                |
|                       | ZNT 4 S                |
| ZEI 16                | ZEI 16-2/1 AN          |

## ZQV 16-10

Reducing cross-connection



| Type      | Qty. | Order no.  |
|-----------|------|------------|
| ZQV 16-10 | 10   | 7920080000 |

| For standard terminal | For roof-type terminal |
|-----------------------|------------------------|
| ZDU 10...             | ZDU 10 S               |
| ZPE 10...             | ZNT 10 S               |
| ZDU 16                | ZDU 16 S               |
| ZPE 16                | ZPE 16 S               |
|                       | ZNT 16 S               |

## ZQV 35-10

Reducing cross-connection



| Type      | Qty. | Order no.  |
|-----------|------|------------|
| ZQV 35-10 | 10   | 7920100000 |

| For standard terminal | For roof-type terminal |
|-----------------------|------------------------|
| ZDU 10...             | ZDU 10 S               |
| ZPE 10...             | ZPE 10 S               |
| ZDU 35                |                        |
| ZPE 35                |                        |

## ZQV 35-16

Reducing cross-connection



| Type      | Qty. | Order no.  |
|-----------|------|------------|
| ZQV 35-16 | 10   | 7920120000 |

| For standard terminal | For roof-type terminal |
|-----------------------|------------------------|
| ZDU 16                | ZDU 16 S               |
| ZPE 16                | ZPE 16 S               |
| ZDU 35                |                        |
| ZPE 35                |                        |

## Accessories – Electrical distribution

### ZQV 6



| Type     | Qty. | Order no.  |
|----------|------|------------|
| ZQV 6/2  | 60   | 1627850000 |
| ZQV 6/3  | 60   | 1627860000 |
| ZQV 6/4  | 60   | 1627870000 |
| ZQV 6/32 | 10   | 1733640000 |

| For standard terminal | For roof-type terminal |
|-----------------------|------------------------|
| ZDU 6...              | ZDU 6-2...             |
| ZDK 6/S...            | ZDU 6 S                |
| ZTL 6...              | ZNT 6 S                |
| ZEI 16                | ZEI 16-2/1 AN          |

### ZQV 10/2



| Type     | Qty. | Order no.  |
|----------|------|------------|
| ZQV 10/2 | 25   | 1739680000 |

| For standard terminal | For roof-type terminal |
|-----------------------|------------------------|
| ZDU 10...             | ZDU 10 S               |
| ZDU 10 NT             | ZNT 10 S               |

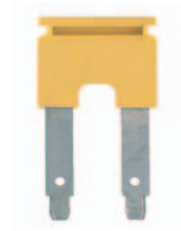
### ZQV 16/2



| Type     | Qty. | Order no.  |
|----------|------|------------|
| ZQV 16/2 | 25   | 1739690000 |

| For standard terminal | For roof-type terminal |
|-----------------------|------------------------|
| ZDU 16                | ZDU 16 S               |
| ZPE 16                | ZPE 16 S               |
|                       | ZNT 16 S               |

### ZQV 35/2



| Type     | Qty. | Order no.  |
|----------|------|------------|
| ZQV 35/2 | 10   | 1739700000 |

| For standard terminal | For roof-type terminal |
|-----------------------|------------------------|
| ZDU 35                |                        |
| ZPE 35                |                        |
| ZNT 35/S              |                        |

### ZQV 2.5N

Compact design



| Type        | Qty. | Order no.  |
|-------------|------|------------|
| ZQV 2.5N/2  | 60   | 1693800000 |
| ZQV 2.5N/3  | 60   | 1693810000 |
| ZQV 2.5N/4  | 60   | 1693820000 |
| ZQV 2.5N/5  | 20   | 1693830000 |
| ZQV 2.5N/6  | 20   | 1693840000 |
| ZQV 2.5N/7  | 20   | 1693850000 |
| ZQV 2.5N/8  | 20   | 1693860000 |
| ZQV 2.5N/9  | 20   | 1693870000 |
| ZQV 2.5N/10 | 20   | 1693880000 |
| ZQV 2.5N/50 | 10   | 1693890000 |

| For standard terminal | For roof-type terminal |
|-----------------------|------------------------|
| ZT 2.5....            | ZDUA 2.5-2....         |
| ZDT 2.5....           | ZDUA 2.5-2N....        |
| ZP 2.5....            | ZDL 2.5....            |
|                       | ZDL 2.5S               |

### ZQB 2.5

Cross-connection bridge



| Type      | Qty. | Order no.  |
|-----------|------|------------|
| ZQB 2.5-2 | 50   | 1677120000 |

| For standard terminal | For roof-type terminal |
|-----------------------|------------------------|
|                       | ZDUB 2.5-2/4 AN        |
|                       | ZDU 2.5-2/4 AN         |

The ZQB 2.5 cross-connection bridge is used for connecting terminals without a separate cross-connection channel. The terminal points are opened using the ZBW 2 actuator tool (order no. 165067000).

### ZQS 2.5

Fuse cross-connection



| Type      | Qty. | Order no.  |
|-----------|------|------------|
| ZQS 2.5/2 | 20   | 1633200000 |
| ZQS 2.5/3 | 20   | 1633210000 |
| ZQS 2.5/4 | 20   | 1633220000 |
| ZQS 2.5/5 | 20   | 1633230000 |

| For standard terminal | For roof-type terminal |
|-----------------------|------------------------|
| ZSI 2.5/2...          |                        |

### ZVQ 2.5/1.5

Vertical connector

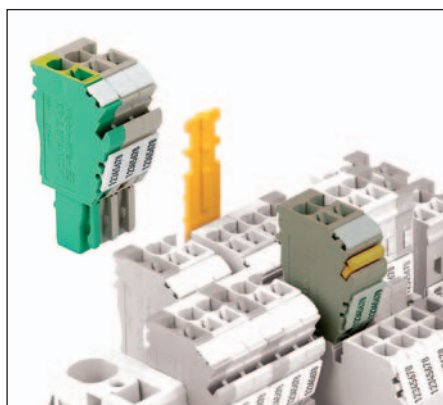


| Type        | Qty. | Order no.  |
|-------------|------|------------|
| ZVQ 2.5/1.5 | 50   | 1720700000 |

| For standard terminal | For roof-type terminal |
|-----------------------|------------------------|
| ZDK 2.5/1.5...        | ZDLD 2.5-2...          |
| ZDT 2.5/2             |                        |

## Accessories – Pluggable terminals

### WeiCoS



Here you will find every possible plug-in connector permutation for the WeiCoS pluggable terminals, together with compatible accessories.

A detailed description of the overall system can be found on page C.68.

### Plug-in connector

|                                                               |                 |
|---------------------------------------------------------------|-----------------|
| Width x length x height                                       | mm              |
| Max. current / max. conductor cross-section A/mm <sup>2</sup> |                 |
| Max. clamping range                                           | mm <sup>2</sup> |

#### Technical data

| Rated data                                                 |                 |
|------------------------------------------------------------|-----------------|
| Rated voltage                                              | V               |
| Rated current                                              | A               |
| Rated cross-section                                        | mm <sup>2</sup> |
| Rated surge voltage / Pollution severity                   | kV/-            |
| Plug gauge acc. to IEC 60-947-1 / Flammability class UL 94 |                 |
| Approvals                                                  |                 |

#### Clamping conductors (H05V/H07V)

|                                 |                 |
|---------------------------------|-----------------|
| Solid core / stranded core      | mm <sup>2</sup> |
| Flexible / finely with ferrules | mm <sup>2</sup> |
| Stripping length                | mm              |

#### Notes

#### Order data

| Version             |         |
|---------------------|---------|
| Beige Wernid        | 1-pole  |
|                     | 2-pole  |
|                     | 3-pole  |
|                     | 4-pole  |
|                     | 5-pole  |
|                     | 6-pole  |
|                     | 7-pole  |
|                     | 8-pole  |
|                     | 9-pole  |
|                     | 10-pole |
|                     | 11-pole |
|                     | 12-pole |
|                     | 13-pole |
|                     | 14-pole |
|                     | 15-pole |
|                     | 16-pole |
| Green/yellow Wernid | 1-pole  |

### Accessories

| Cross-connections |         |
|-------------------|---------|
| Beige Wernid      | 2-pole  |
|                   | 3-pole  |
|                   | 4-pole  |
|                   | 5-pole  |
|                   | 6-pole  |
|                   | 7-pole  |
|                   | 8-pole  |
|                   | 9-pole  |
|                   | 10-pole |
|                   | 50-pole |

#### Test adapter

#### Marking systems (see large selection in Chapter N)

Marking tags

### ZP 2.5/AN

2.5 mm<sup>2</sup>

Single connection without cross-connection channel<sup>1</sup>



|                              |
|------------------------------|
| No. of poles x 5.1 x 23 x 41 |
| 32 / 4                       |
| 0.5 ... 4.0                  |

IEC-60-947-7-1

Ex

| IEC                   | UL          | CSA         |
|-----------------------|-------------|-------------|
| 500                   | 300         | 300         |
| 24.0                  | 20          | 20          |
| 2.5                   | 26...12 AWG | 26...12 AWG |
| 6 / 3                 |             |             |
| A2 / V-0              |             |             |
| cULus                 |             |             |
| 0.5...4.0 / 1.5...4.0 |             |             |
| 0.5...4.0 / 0.5...2.5 |             |             |
| 10                    |             |             |

| Type           | Qty. | Order no.  |
|----------------|------|------------|
| ZP 2.5/1AN/1   | 50   | 1815430000 |
| ZP 2.5/1AN/2   | 25   | 1815440000 |
| ZP 2.5/1AN/3   | 25   | 1815450000 |
| ZP 2.5/1AN/4   | 25   | 1815500000 |
| ZP 2.5/1AN/5   | 25   | 1815510000 |
| ZP 2.5/1AN/6   | 25   | 1815520000 |
| ZP 2.5/1AN/7   | 25   | 1815530000 |
| ZP 2.5/1AN/8   | 20   | 1815540000 |
| ZP 2.5/1AN/9   | 20   | 1815550000 |
| ZP 2.5/1AN/10  | 20   | 1815560000 |
| ZP 2.5/1AN/11  | 20   | 1815570000 |
| ZP 2.5/1AN/12  | 20   | 1815580000 |
| ZP 2.5/1AN/13  | 10   | 1815590000 |
| ZP 2.5/1AN/14  | 10   | 1815600000 |
| ZP 2.5/1AN/15  | 10   | 1815610000 |
| ZP 2.5/1AN/16  | 10   | 1815620000 |
| ZP 2.5/1AN/1GN | 50   | 1820580000 |

| Type       | Qty. | Order no.  |
|------------|------|------------|
| ZTA ZT 2.5 | 25   | 1827080000 |
| DEK 5      |      |            |



# Accessories – Pluggable terminals

## ZP 2.5/1 AN/QV

2.5 mm<sup>2</sup>

Single connection with cross-connection channel



No. of poles x 5.1 x 23 x 41  
32 / 4  
0.5 ... 4.0

IEC-60-947-7-1

| IEC  | UL          | CSA         |
|------|-------------|-------------|
| 500  | 300         | 300         |
| 24.0 | 20          | 20          |
| 2.5  | 26...12 AWG | 26...12 AWG |

6 / 3

A2 / V-0



0.5...4.0 / 1.5...4.0

0.5...4.0 / 0.5...2.5

10

## ZP 2.5/2 AN/QV

2.5 mm<sup>2</sup>

Two connections with cross-connection channel



No. of poles x 5.1 x 37 x 41  
32 / 4  
0.5 ... 4.0

IEC-60-947-7-1

| IEC  | UL          | CSA         |
|------|-------------|-------------|
| 500  | 300         | 300         |
| 24.0 | 20          | 20          |
| 2.5  | 26...12 AWG | 26...12 AWG |

6 / 3

A2 / V-0



0.5...4.0 / 1.5...4.0

0.5...4.0 / 0.5...2.5

10

## WeiCoS accessories

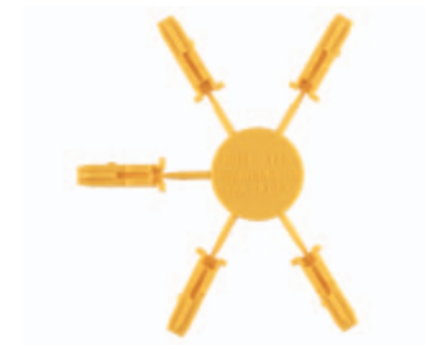
Locking element



Strain relief



Coding element



## Order data

| Locking element | Qty. | Order no.  |
|-----------------|------|------------|
| ZVR ZP 2.5      | 25   | 1816130000 |
| Strain relief   |      |            |
| ZZE ZP 2.5      | 25   | 1816140000 |
| Coding element  |      |            |
| KOSF ZT 2.5     | 50   | 1816150000 |

| Type              | Qty. | Order no.  |
|-------------------|------|------------|
| ZP 2.5/1AN/QV/1   | 50   | 1815190000 |
| ZP 2.5/1AN/QV/2   | 25   | 1815200000 |
| ZP 2.5/1AN/QV/3   | 25   | 1815210000 |
| ZP 2.5/1AN/QV/4   | 25   | 1815220000 |
| ZP 2.5/1AN/QV/5   | 25   | 1815230000 |
| ZP 2.5/1AN/QV/6   | 25   | 1815240000 |
| ZP 2.5/1AN/QV/7   | 25   | 1815250000 |
| ZP 2.5/1AN/QV/8   | 20   | 1815260000 |
| ZP 2.5/1AN/QV/9   | 20   | 1815270000 |
| ZP 2.5/1AN/QV/10  | 20   | 1815280000 |
| ZP 2.5/1AN/QV/11  | 20   | 1815290000 |
| ZP 2.5/1AN/QV/12  | 20   | 1815300000 |
| ZP 2.5/1AN/QV/13  | 10   | 1815310000 |
| ZP 2.5/1AN/QV/14  | 10   | 1815320000 |
| ZP 2.5/1AN/QV/15  | 10   | 1815330000 |
| ZP 2.5/1AN/QV/16  | 10   | 1815340000 |
| ZP 2.5/1AN/QV/1GN | 50   | 1820570000 |

| Type        | Qty. | Order no.  |
|-------------|------|------------|
| ZQV 2.5N/2  | 60   | 1693800000 |
| ZQV 2.5N/3  | 60   | 1693810000 |
| ZQV 2.5N/4  | 60   | 1693820000 |
| ZQV 2.5N/5  | 20   | 1693830000 |
| ZQV 2.5N/6  | 20   | 1693840000 |
| ZQV 2.5N/7  | 20   | 1693850000 |
| ZQV 2.5N/8  | 20   | 1693860000 |
| ZQV 2.5N/9  | 20   | 1693870000 |
| ZQV 2.5N/10 | 20   | 1693880000 |
| ZQV 2.5N/50 | 10   | 1693890000 |

ZTA ZT 2.5 25 1827080000

DEK 5

| Type        | Qty. | Order no.  |
|-------------|------|------------|
| ZQV 2.5N/2  | 60   | 1693800000 |
| ZQV 2.5N/3  | 60   | 1693810000 |
| ZQV 2.5N/4  | 60   | 1693820000 |
| ZQV 2.5N/5  | 20   | 1693830000 |
| ZQV 2.5N/6  | 20   | 1693840000 |
| ZQV 2.5N/7  | 20   | 1693850000 |
| ZQV 2.5N/8  | 20   | 1693860000 |
| ZQV 2.5N/9  | 20   | 1693870000 |
| ZQV 2.5N/10 | 20   | 1693880000 |
| ZQV 2.5N/50 | 10   | 1693890000 |

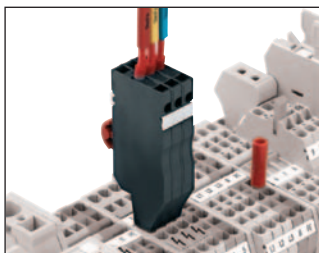
ZTA ZT 2.5 25 1827080000

DEK 5

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

## Accessories – Testing

### Test adapter



The ZTA slot-in test adapter is used as a single unit and also as a test adapter strip for measurements.

ZTA test adaptors will accept prepared cables ranging from 0.5 mm<sup>2</sup> to 1.5 mm<sup>2</sup>. The test adapter is simply slotted into the terminal, creating secure contact with the current carrying busbar. The cable can be released again by simply pressing the release button.

| Dimensions                              |                 |
|-----------------------------------------|-----------------|
| Height (with TS 35 x 7.5)               | mm              |
| Length                                  | mm              |
| Test adapter width                      | mm              |
| Stripping length                        | mm              |
| Rated voltage / current / cross-section |                 |
| acc. to IEC 60 947-7-1                  |                 |
| Clamping conductor                      |                 |
| Solid core H 07V-U                      | mm <sup>2</sup> |
| Flexible H 07V-K                        | mm <sup>2</sup> |
| Flexible with AEH (DIN 46228/1)         | mm <sup>2</sup> |
| Order data                              |                 |
| 1-pole                                  |                 |
| with locking journal                    |                 |
| Marking tags                            |                 |

### ZTA 1

For clamping width 5.1 mm



| Dimensions                              |                 |
|-----------------------------------------|-----------------|
| Height (with TS 35 x 7.5)               | mm              |
| Length                                  | mm              |
| Test adapter width                      | mm              |
| Stripping length                        | mm              |
| Rated voltage / current / cross-section |                 |
| 250 V / 9.0 A / 1.5 mm <sup>2</sup>     |                 |
| Clamping conductor                      |                 |
| Solid core H 07V-U                      | mm <sup>2</sup> |
| Flexible H 07V-K                        | mm <sup>2</sup> |
| Flexible with AEH (DIN 46228/1)         | mm <sup>2</sup> |
| Order data                              |                 |
| 1-pole                                  |                 |
| with locking journal                    |                 |
| Marking tags                            |                 |

### ZTA 2

For clamping width 6.1 mm



| Dimensions                              |                 |
|-----------------------------------------|-----------------|
| Height (with TS 35 x 7.5)               | mm              |
| Length                                  | mm              |
| Test adapter width                      | mm              |
| Stripping length                        | mm              |
| Rated voltage / current / cross-section |                 |
| 250 V / 9 A / 1.5 mm <sup>2</sup>       |                 |
| Clamping conductor                      |                 |
| Solid core H 07V-U                      | mm <sup>2</sup> |
| Flexible H 07V-K                        | mm <sup>2</sup> |
| Flexible with AEH (DIN 46228/1)         | mm <sup>2</sup> |
| Order data                              |                 |
| 1-pole                                  |                 |
| with locking journal                    |                 |
| Marking tags                            |                 |

### ZTA 5

For clamping width 3.5 mm



| Dimensions                              |                 |
|-----------------------------------------|-----------------|
| Height (with TS 35 x 7.5)               | mm              |
| Length                                  | mm              |
| Test adapter width                      | mm              |
| Stripping length                        | mm              |
| Rated voltage / current / cross-section |                 |
| 200 V / 13,5 A / 1,0 mm <sup>2</sup>    |                 |
| Clamping conductor                      |                 |
| Solid core H 07V-U                      | mm <sup>2</sup> |
| Flexible H 07V-K                        | mm <sup>2</sup> |
| Flexible with AEH (DIN 46228/1)         | mm <sup>2</sup> |
| Order data                              |                 |
| 1-pole                                  |                 |
| with locking journal                    |                 |
| Marking tags                            |                 |

### ZTA 6

For clamping width 6.1 mm



| Dimensions                              |                 |
|-----------------------------------------|-----------------|
| Height (with TS 35 x 7.5)               | mm              |
| Length                                  | mm              |
| Test adapter width                      | mm              |
| Stripping length                        | mm              |
| Rated voltage / current / cross-section |                 |
| 250 V / 17,5 A / 1.5 mm <sup>2</sup>    |                 |
| Clamping conductor                      |                 |
| Solid core H 07V-U                      | mm <sup>2</sup> |
| Flexible H 07V-K                        | mm <sup>2</sup> |
| Flexible with AEH (DIN 46228/1)         | mm <sup>2</sup> |
| Order data                              |                 |
| 1-pole                                  |                 |
| with locking journal                    |                 |
| Marking tags                            |                 |

## Accessories – Testing

### ZTA 3

For clamping width 8.1 mm



|      |
|------|
| 73.1 |
| 31.5 |
| 8.1  |
| 6.0  |

250 V / 9.0 A / 1.5 mm<sup>2</sup>

|              |
|--------------|
| 0.5 ... 1.5  |
| 0.75 ... 1.5 |
| 0.5 ... 1.5  |

| Type  | Qty. | Order no.  |
|-------|------|------------|
| ZTA 3 | 25   | 1654050000 |

| For standard terminal | For roof-style terminal |
|-----------------------|-------------------------|
| ZDU 6...              |                         |

DEK 5

### ZTA 4

For clamping width 5.1 mm



|      |
|------|
| 69.0 |
| 31.0 |
| 5.1  |
| 6.0  |

250 V / 11 A / 1.5 mm<sup>2</sup>

|              |
|--------------|
| 0.5 ... 1.5  |
| 0.75 ... 1.5 |
| 0.5 ... 1.5  |

| Type  | Qty. | Order no.  |
|-------|------|------------|
| ZTA 4 | 25   | 1688110000 |

| For standard terminal | For roof-style terminal |
|-----------------------|-------------------------|
| ZDK 2.5/1.5...        | ZDU 2.5-2...            |
| ZTR 2.5/4 AN...       | ZDK 2.5-2...            |
|                       | ZDKPE 2.5-2             |
|                       | ZTR 2.5-2...            |

DEK 5

### Test plug



There is a test point facility for the PS 2.3 or PS 2.0 test plug built into most terminals within the Z series. For quick measurements, simply insert the PS 2.3 or PS 2.0 plug into the opening provided.

This is different from the test adapter in that the test plug does not slot into the terminal. In terminals with large cross-sectional areas, measurements are generally carried out using the PS 2.3 or PS 2.0 test plugs because there is no test adapter point.

### PS 2.0

Plug diameter 2.0 mm



| Type      | Qty. | Order no.  |
|-----------|------|------------|
| PS 2.0 OR | 20   | 0293800000 |

#### For terminals

ZDU/ZPE 2.5/...  
ZDU/ZPE 4/...  
ZDU/ZPE 6/3 AN  
ZDU/ZPE 10/...  
ZDU/ZPE 16/...  
ZDU/ZPE 35  
ZEI 16  
ZTR 2.5/...  
ZTR 2.5.../D  
ZDTR 2.5  
ZTR 2.5/SI  
ZDL 2.5/SI...

### ZTA 7

For clamping width 8.1 mm



|      |
|------|
| 73.5 |
| 31.5 |
| 8.1  |
| 6.0  |

250 V / 9.0 A / 1.5 mm<sup>2</sup>

|             |
|-------------|
| 0.5 ... 1.5 |
| 1.0 ... 1.5 |
| 0.5 ... 1.5 |

| Type       | Qty. | Order no.  |
|------------|------|------------|
| ZTA 7 / ZA | 25   | 1780670000 |

| For standard terminal | For roof-style terminal |
|-----------------------|-------------------------|
|                       | ZDU 6-2....             |

DEK 5

### ZTA ZT 2.5

For clamping width 5.1 mm



|      |
|------|
| 50.5 |
| 20.0 |
| 5.1  |

500 V / 17.5 A / 1.5 mm<sup>2</sup>

|             |
|-------------|
| 0.5 ... 1.5 |
| 0.5 ... 1.5 |
| 0.5 ... 1.5 |

| Type            | Qty. | Order no.  |
|-----------------|------|------------|
| ZTA ZT 2.5      | 25   | 1827080000 |
| ZTA ZT 2.5 / ZA | 25   | 1847600000 |

| For standard terminal | For roof-style terminal |
|-----------------------|-------------------------|
| ZT 2.5...             |                         |
| ZDT 2.5...            |                         |
| ZP 2.5 ...            |                         |

DEK 5

### PS 2.3

Plug diameter 2.3 mm



| Type      | Qty. | Order no.  |
|-----------|------|------------|
| PS 2.3 RT | 20   | 0180400000 |

#### For terminals

ZDU/ZPE 2.5/...  
ZDU/ZPE 4/...  
ZDU/ZPE 10/...  
ZDU/ZPE 16/...  
ZDU/ZPE 35  
ZDU/ZPE 4-2/...  
ZDU/ZPE 6-2/...  
ZTR 2.5...  
ZTR 2.5.../D  
ZDTR 2.5  
ZTR 2.5/SI  
ZDL 2.5/SI...

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany. Delivery times see page X.2

## Accessories – Marking and connecting

### Marking / covering



The VDE regulations stipulate that mains connection terminals must be covered.

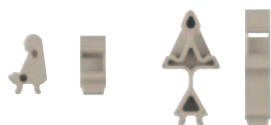
For this purpose Weidmüller offers yellow **ZAD** covers printed with a warning symbol.

The covers slot into the screwdriver opening of the terminal, and are available in 4-pole terminal units.

The marking surface enables the central marking channel to be labelled using WS 10/5 tags.

Marking supports with pivots can be used to ensure the greatest possible stability.

- Simple and double design
- No impairment when inserting screwdriver, and unimpaired access to the cross-connections.



### Operating tool



The fully insulated operating tools ZBW 1 to ZBW 6 and ZBWW are used to open both 1.5 mm<sup>2</sup> and 2.5 mm<sup>2</sup> terminal points. They can open more than one terminal point at once.

The ZBWW operating tool has angled blades, making it easier to actuate terminals within confined spaces.

The plastic actuator tool enhances safety when working on "live" systems actually in use. This is however not a recommended practise.

### ZAD / BZT

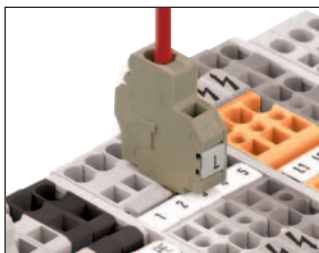
| Type                                  | Qty. | Order no.  | For standard terminals          | For roof-type terminals                                     |
|---------------------------------------|------|------------|---------------------------------|-------------------------------------------------------------|
| <b>Terminal width 3.5 mm</b>          |      |            |                                 |                                                             |
| ZAD 7/4                               | 20   | 1781940000 | ZDU 1.5....<br>ZDK 1.5....      |                                                             |
| <b>Terminal width 5.1 mm</b>          |      |            |                                 |                                                             |
| ZAD 1/4                               | 20   | 1609110000 | ZDU 2.5...<br>ZTR 2.5...        | ZDU 4-2...                                                  |
| <b>Terminal width 5.1 mm</b>          |      |            |                                 |                                                             |
| ZAD 1/4-2                             | 20   | 1764560000 | ZTR 2.5/4 AN...                 | ZDU 2.5-2...<br>ZDK 2.5-2...<br>ZDKPE 2.5-2<br>ZTR 2.5-2... |
| <b>Terminal width 6.1 mm / 8.1 mm</b> |      |            |                                 |                                                             |
| ZAD 2/4                               | 20   | 1609080000 | ZDU 4...                        | ZDU 6-2...                                                  |
| <b>Terminal width 8.1 mm</b>          |      |            |                                 |                                                             |
| ZAD 3/4                               | 20   | 1609120000 | ZDU 6...                        |                                                             |
| <b>Terminal width 10 mm</b>           |      |            |                                 |                                                             |
| ZAD 4/5                               | 20   | 1746730000 | ZDU 10<br>ZDU 10/3 AN           |                                                             |
| <b>Terminal width 12 mm</b>           |      |            |                                 |                                                             |
| ZAD 5/5                               | 20   | 1745210000 | ZDU 16<br>ZDU 16/3 AN<br>ZEI 16 | ZEI 16-2/1 AN                                               |
| <b>Terminal width 16 mm</b>           |      |            |                                 |                                                             |
| ZAD 6/5                               | 20   | 1752620000 | ZDU 35                          |                                                             |
| <b>BZT...</b>                         |      |            |                                 |                                                             |
| <b>Marked on one side</b>             |      |            |                                 |                                                             |
| BZT 1 WS 10/5                         | 100  | 1805490000 | ZDU 2.5/ ...                    |                                                             |
| BZT 1 ZA WS 10/5                      | 100  | 1805520000 | ZDU 4/ ...                      |                                                             |
| <b>Marked on two sides</b>            |      |            |                                 |                                                             |
| BZT 2 WS 10/5                         | 100  | 1805480000 | ZDU 6/ ...                      |                                                             |
| BZT 2 ZA WS 10/5                      | 100  | 1805530000 | ZDU A 2.5/ ...                  |                                                             |

### ZBW

| Type                         | Terminal points | Qty. | Order no.  | For standard terminals                 | For roof-type terminals                            |
|------------------------------|-----------------|------|------------|----------------------------------------|----------------------------------------------------|
| <b>Terminal width 3.5</b>    |                 |      |            |                                        |                                                    |
| ZBW 1/5                      | 1               | 1    | 1781930000 | ZDU 1.5...<br>ZPE 1.5<br>ZDK 1.5       |                                                    |
| <b>Terminal width 5.1 mm</b> |                 |      |            |                                        |                                                    |
| ZBW 1                        | 1               | 1    | 1669620000 | ZDU 2.5...                             | ZDLD 2.5-2                                         |
| ZBW 2                        | 2               | 1    | 1650670000 | ZPE 2.5...                             | ZDU 2.5-2                                          |
| ZBW 3                        | 3               | 1    | 1650680000 | ZDK 2.5 / 1.5                          | ZDK 2.5-2                                          |
| ZBW 4                        | 4               | 1    | 1650690000 | ZTR 2.5...                             | ZDK 2.5-2 PE                                       |
| ZBW 6                        | 6               | 1    | 1650700000 | ZDTR 2.5...                            | ZTR 2.5-2                                          |
| ZBWW                         | 1               | 1    | 1669630000 | ZSI 2.5...<br>ZRV 1.5...<br>ZIA 1.5... | ZDKPE 2.5-2<br>ZDU 2.5 S<br>ZPE 2.5 S<br>ZNT 2.5 S |

## Accessories – Other functions / colour range

### Other functions



### Reducing sleeves

Reducing sleeves are used to make it easier to connect conductors with smaller cross-sectional areas. The conductors can be inserted securely into the terminal without separating conductor strands. The reducing sleeve centres the conductor in the middle of the conductor entry.

One packaging unit contains 100 x 10 pole strips

### ZRH 1.5S



| Type                                               | Qty. | Order no.  |
|----------------------------------------------------|------|------------|
| For 0.13 ... 0.2 mm <sup>2</sup> conductors, white |      |            |
| ZRH 1.5S/1                                         | 100  | 1781950000 |
| For 0.25 ... 0.5 mm <sup>2</sup> conductors, grey  |      |            |
| ZRH 1.5S/2                                         | 100  | 1781960000 |

| For standard terminals | For roof-style terminals |
|------------------------|--------------------------|
| ZDU 1.5/...            |                          |
| ZPE 1.5/...            |                          |
| ZKD 1.5/...            |                          |
| ZKD 1.5 PE             |                          |

### ZRH 1.5H



| Type                                               | Qty. | Order no.  |
|----------------------------------------------------|------|------------|
| For 0.13 ... 0.2 mm <sup>2</sup> conductors, white |      |            |
| ZRH 1.5H/1                                         | 100  | 1678810000 |
| For 0.25 ... 0.5 mm <sup>2</sup> conductors, grey  |      |            |
| ZRH 1.5H/2                                         | 100  | 1678800000 |

| For standard terminals | For roof-style terminals |
|------------------------|--------------------------|
| ZDK 2.5/1.5...         | ZDLD 2.5-2...            |
| ZDK 2.5/1.5 PE         | ZDU 2.5-2/...            |
| ZDTR 2.5               | ZPE 2.5-2/...            |
|                        | ZTR 2.5-2                |
|                        | ZTR 2.5-2/SI             |
|                        | ZTR 2.5-2 D              |

### ZRH 1.5N



| Type                                                   | Qty. | Order no.  |
|--------------------------------------------------------|------|------------|
| For 0.13 ... 0.2 mm <sup>2</sup> conductors, white     |      |            |
| ZRH 1.5N/1                                             | 100  | 1632140000 |
| For 0.25 ... 0.5 mm <sup>2</sup> conductors, grey      |      |            |
| ZRH 1.5N/2                                             | 100  | 1632130000 |
| For 0.75 ... 1.0 mm <sup>2</sup> conductors, dark grey |      |            |
| ZRH 1.5N/3                                             | 100  | 1632120000 |

| For standard terminals | For roof-style terminals |
|------------------------|--------------------------|
| ZRV 1.5                |                          |
| ZRV 1.5 PE             |                          |
| ZVL 1.5                |                          |
| ZIA 1.5/3 L ...        |                          |
| ZIA 1.5/4 L ...        |                          |

### ZRH 2.5



| Type                                                   | Qty. | Order no.  |
|--------------------------------------------------------|------|------------|
| For 0.13 ... 0.2 mm <sup>2</sup> conductors, white     |      |            |
| ZRH 2.5/1 WS                                           | 100  | 1614300000 |
| For 0.25 ... 0.5 mm <sup>2</sup> conductors, grey      |      |            |
| ZRH 2.5/2 GR/V0                                        | 100  | 1614290000 |
| For 0.75 ... 1.0 mm <sup>2</sup> conductors, dark grey |      |            |
| ZRH 2.5/3                                              | 100  | 1614280000 |

| For standard terminals | For roof-style terminals |
|------------------------|--------------------------|
| ZDU 2.5/...            |                          |
| ZTR 2.5/...            |                          |
| ZTR 2.5/D              |                          |
| ZTR 2.5/3 AN/D         |                          |

### ZRH 4



| Type                                                   | Qty. | Order no.  |
|--------------------------------------------------------|------|------------|
| For 0.13 ... 0.2 mm <sup>2</sup> conductors, white     |      |            |
| ZRH 4/1 WS                                             | 100  | 1636640000 |
| For 0.25 ... 0.5 mm <sup>2</sup> conductors, grey      |      |            |
| ZRH 4/2                                                | 100  | 1636650000 |
| For 0.75 ... 1.0 mm <sup>2</sup> conductors, dark grey |      |            |
| ZRH 4/3                                                | 100  | 1636660000 |

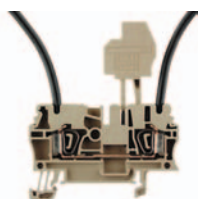
| For standard terminals | For roof-style terminals |
|------------------------|--------------------------|
| ZDU 4/...              |                          |
| ZPE 4/...              |                          |

## Accessories – Other functions / Colour range

### Extra connection



Place the contact part in the cross-connection channel and the locking hook in the screwdriver guide, then press down as far as it will go. The pitch size is 6 mm, so only every second terminal can be used.



### ZZA 2,5

| Dimensions          |                     |
|---------------------|---------------------|
| Height              | 23.0 (50.0) mm      |
| Length              | 21.0 mm             |
| Width               | 6.1 mm              |
| Stripping length    | 10.0 mm             |
| Rating data         |                     |
| Rated voltage       | 400 V               |
| Rated surge voltage | 6 kV                |
| Pollution severity  | 3                   |
| Rated current       | 17.5 A              |
| Rated cross-section | 2.5 mm <sup>2</sup> |

| Type               | Qty. | Order no.  |
|--------------------|------|------------|
| ZZA 2,5            | 50   | 1646690000 |
| With locking pivot |      |            |
| ZZA 2,5 ZA         | 50   | 1649350000 |

#### For terminal

ZDU 2.5  
ZDU 2.5/3 AN  
ZDU 2.5/4 AN  
ZTR 2.5  
ZTR 2.5/3 AN

### Component plug



The component plug is designed to take electronic components. As required, the self-locking ZBS1 can be plugged onto two tension clamp terminals (ZDK 2.5/1.5) in the upper or lower cross-connection channel.

In the lower level, the plug is positioned with twisting protection, whereas in the upper level it can be plugged in any direction. Customers may solder their components to the plug as required.

#### Two basic versions are available (empty housings):

1. ZBS1 closed e.g. to accommodate a temperature compensation module
2. ZBS1 with 2 openings Ø 3 mm e.g. to take LEDs.

### ZBS1

| Dimensions          |         |
|---------------------|---------|
| Height              | 48.0 mm |
| Length              | 22.3 mm |
| Width               | 10.0 mm |
| Rating data         |         |
| Rated voltage       | 250 V   |
| with LED            | 30 V    |
| Rated surge voltage | 4 kV    |
| Pollution severity  | 3       |
| Rated current       | 6 A     |
| with LED            | 1 A     |

| Type           | Qty. | Order no.  |
|----------------|------|------------|
| ZBS1 SET       | 10   | 1764540000 |
| to take 2 LEDs |      |            |
| ZBS1 F.D SET   | 10   | 1764550000 |

### Bus support



The ZST bus support can be used for "parking" test plugs, cross-connections and fuses needed during servicing. The bus support is snapped onto the TS 35 mounting rail at the end of a terminal assembly.

### ZST

| Dimensions |         |
|------------|---------|
| Height     | 27.5 mm |
| Length     | 61.1 mm |
| Width      | 10.0 mm |

| Type | Qty. | Order no.  |
|------|------|------------|
| ZST  | 50   | 1678680000 |

### Shield connection terminal



The screen braid of screened control conductors is soldered to the busbar of the ZDUS or connected using 2.8 x 0.8 mm crimped spade sleeves. ZDUS can be slotted onto the ZDU 2.5, ZDU 2.5/3 AN, ZDU 4, ZDU 6 and ZTR 2.5.

### ZDUS

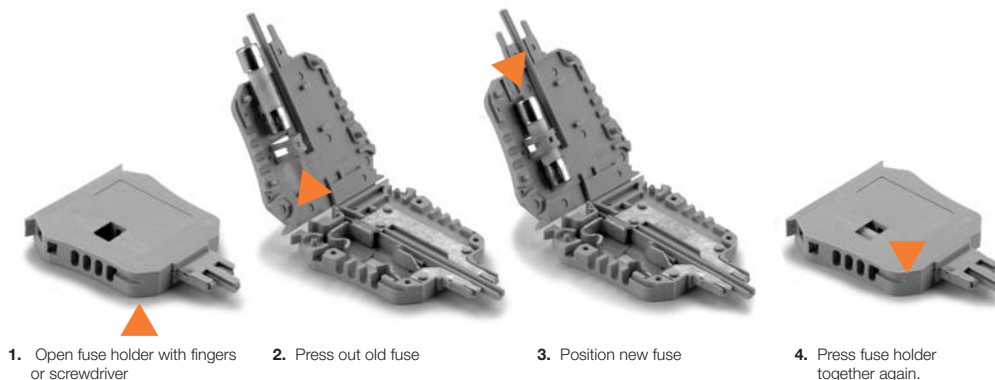
| Dimensions |         |
|------------|---------|
| Height     | 33.5 mm |
| Length     | 83.5 mm |
| Width      | 4.8 mm  |

| Type | Qty. | Order no.  |
|------|------|------------|
| ZDUS | 20   | 1676640000 |



## Accessories – Other functions / Colour range

### SIHA fuse holder



#### For 5 x 20 G-fuse cartridges

The SIHA fuse holder converts a simple disconnect terminal into a fuse terminal in next to no time.

Simply remove the isolating lever and insert the fuse plug.

- Simple handling – no tools required
- Housings made of Wemid (V0)
- Rated current 6.3 A
- 1.6 W power loss acc. to DIN VDE 0611-6 at 23°C ambient temperature (also for 1.5 times rated current – composite arrangement)

- Even fits on 5 mm wide terminals when fitted in offset arrangement

- Marking position for Dekafix 5 and space for the E-Fix self-adhesive label, size 8/20



#### SIHA 1



|                  | Qty. | Order no.  |
|------------------|------|------------|
| Without LED      |      |            |
| <b>SIHA1/G20</b> |      |            |
| 400 V            | 1    | 9537550000 |
| with LED (red)   |      |            |
| <b>SIHA1/G20</b> |      |            |
| 10 - 36 V        | 1    | 9537560000 |
| 35 - 70 V        | 1    | 9537570000 |
| 60 - 150 V       | 1    | 9537580000 |
| 140 - 250 V      | 1    | 9537590000 |

#### For disconnect terminal type

ZTR 2.5/2 AN  
ZTR 2.5/3 AN

#### SIHA 2



|                  | Qty. | Order no.  |
|------------------|------|------------|
| Without LED      |      |            |
| <b>SIHA2/G20</b> |      |            |
| 400 V            | 1    | 9537600000 |
| with LED (red)   |      |            |
| <b>SIHA2/G20</b> |      |            |
| 10 - 36 V        | 1    | 9537610000 |
| 35 - 70 V        | 1    | 9537620000 |
| 60 - 150 V       | 1    | 9537630000 |
| 140 - 250 V      | 1    | 9537640000 |

#### For disconnect terminal type

ZDTR 2.5 (only at upper disconnect level)  
ZTR 2.5-2

#### SIHA 3



|                  | Qty. | Order no.  |
|------------------|------|------------|
| Without LED      |      |            |
| <b>SIHA3/G20</b> |      |            |
| 400 V            | 1    | 7921560000 |
| with LED (red)   |      |            |
| <b>SIHA3/G20</b> |      |            |
| 10 - 36 V        | 1    | 7921570000 |
| 35 - 70 V        | 1    | 7921580000 |
| 60 - 150 V       | 1    | 7921590000 |
| 140 - 250 V      | 1    | 7921600000 |

#### For disconnect terminal type

ZDL 2.5/NT/L/PE  
ZTR 2.5/4 AN

#### SIHA STRAP



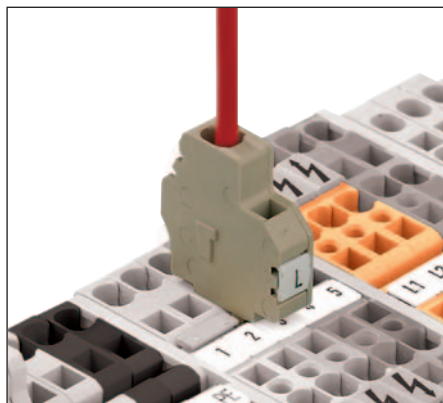
|                   | Qty. | Order no.  |
|-------------------|------|------------|
| With strap        |      |            |
| <b>SIHA STRAP</b> |      |            |
| 20                |      | 9537680000 |

Connector for "retro-fit" assembly

- Receptacle in the terminal is the marking position
- Integrated marking position
- Slots into fuse holder either on the left or on the right

# Accessories – Other functions / Colour range

## Colour range



The colours listed below are available as standard. Other variants are available upon request and are subject to minimum order quantities.

| 1.5 mm <sup>2</sup>  |        |     |            |
|----------------------|--------|-----|------------|
| Type                 | Colour | Qty | Order no.  |
| <b>ZDU 1.5</b>       |        |     |            |
| ZDU 1.5 BR           | Brown  | 100 | 1829550000 |
| ZDU 1.5 GE           | Yellow | 100 | 1829530000 |
| ZDU 1.5 GN           | Green  | 100 | 1829520000 |
| ZDU 1.5 OR           | Orange | 100 | 1775500000 |
| ZDU 1.5 RT           | Red    | 100 | 1829500000 |
| ZDU 1.5 SW           | Black  | 100 | 1829510000 |
| ZDU 1.5 WS           | White  | 100 | 1829540000 |
| <b>ZDU 1.5 2X2AN</b> |        |     |            |
| ZDU 1.5 2X2AN OR     | Orange | 100 | 1827000000 |
| <b>ZDU 1.5/3AN</b>   |        |     |            |
| ZDU 1.5/3AN BR       | Brown  | 100 | 1829610000 |
| ZDU 1.5/3AN GE       | Yellow | 100 | 1829590000 |
| ZDU 1.5/3AN GN       | Green  | 100 | 1829580000 |
| ZDU 1.5/3AN OR       | Orange | 100 | 1775550000 |
| ZDU 1.5/3AN RT       | Red    | 100 | 1829560000 |
| ZDU 1.5/3AN SW       | Black  | 100 | 1829570000 |
| ZDU 1.5/3AN WS       | White  | 100 | 1829600000 |
| <b>ZDU 1.5/4AN</b>   |        |     |            |
| ZDU 1.5/4AN BR       | Brown  | 100 | 1829670000 |
| ZDU 1.5/4AN GE       | Yellow | 100 | 1829650000 |
| ZDU 1.5/4AN GN       | Green  | 100 | 1829640000 |
| ZDU 1.5/4AN OR       | Orange | 100 | 1775610000 |
| ZDU 1.5/4AN RT       | Red    | 100 | 1829620000 |
| ZDU 1.5/4AN SW       | Black  | 100 | 1829630000 |
| ZDU 1.5/4AN WS       | White  | 100 | 1829660000 |
| <b>ZDU 1.5 2X2AN</b> |        |     |            |
| ZDU 1.5 2X2AN OR     | Orange | 100 | 1827000000 |
| <b>ZDK 1.5</b>       |        |     |            |
| ZDK 1.5 BR           | Brown  | 100 | 1831210000 |
| ZDK 1.5 GE           | Yellow | 100 | 1831180000 |
| ZDK 1.5 GN           | Green  | 100 | 1831170000 |
| ZDK 1.5 OR           | Orange | 100 | 1831190000 |
| ZDK 1.5 RT           | Red    | 100 | 1831150000 |
| ZDK 1.5 SW           | Black  | 100 | 1831160000 |
| ZDK 1.5 WS           | White  | 100 | 1831200000 |

| 2.5 mm <sup>2</sup>  |              |     |            |
|----------------------|--------------|-----|------------|
| Type                 | Colour       | Qty | Order no.  |
| <b>ZDU 2.5</b>       |              |     |            |
| ZDU 2.5 BR           | Brown        | 100 | 1683300000 |
| ZDU 2.5 GE           | Yellow       | 100 | 1683270000 |
| ZDU 2.5 GE/GN        | Yellow/green | 100 | 1698780000 |
| ZDU 2.5 GE/SW        | Yellow/black | 100 | 1781320000 |
| ZDU 2.5 GN           | Green        | 100 | 1683280000 |
| ZDU 2.5 GR           | Grey         | 100 | 1683310000 |
| ZDU 2.5 OR           | Orange       | 100 | 1636780000 |
| ZDU 2.5 RT           | Red          | 100 | 1683260000 |
| ZDU 2.5 SW           | Black        | 100 | 1683330000 |
| ZDU 2.5 VI           | Violet       | 100 | 1683290000 |
| ZDU 2.5 WS           | White        | 100 | 1683320000 |
| <b>ZDU 2.5/3AN</b>   |              |     |            |
| ZDU 2.5/3AN BR       | Brown        | 100 | 1683380000 |
| ZDU 2.5/3AN GE       | Yellow       | 100 | 1683350000 |
| ZDU 2.5/3AN GE/GN    | Yellow/green | 100 | 1698790000 |
| ZDU 2.5/3AN GN       | Green        | 100 | 1683360000 |
| ZDU 2.5/3AN GR       | Grey         | 100 | 1683390000 |
| ZDU 2.5/3AN OR       | Orange       | 100 | 1636790000 |
| ZDU 2.5/3AN RT       | Red          | 100 | 1683340000 |
| ZDU 2.5/3AN SW       | Black        | 100 | 1683410000 |
| ZDU 2.5/3AN VI       | Violet       | 100 | 1683370000 |
| ZDU 2.5/3AN WS       | White        | 100 | 1683400000 |
| <b>ZDU 2.5/4AN</b>   |              |     |            |
| ZDU 2.5/4AN BR       | Brown        | 100 | 1683460000 |
| ZDU 2.5/4AN GE       | Yellow       | 100 | 1683430000 |
| ZDU 2.5/4AN GE/GN    | Yellow/green | 100 | 1692240000 |
| ZDU 2.5/4AN GN       | Green        | 100 | 1683440000 |
| ZDU 2.5/4AN GR       | Grey         | 100 | 1683470000 |
| ZDU 2.5/4AN OR       | Orange       | 100 | 1636800000 |
| ZDU 2.5/4AN RT       | Red          | 100 | 1683420000 |
| ZDU 2.5/4AN SW       | Black        | 100 | 1683490000 |
| ZDU 2.5/4AN VI       | Violet       | 100 | 1683450000 |
| ZDU 2.5/4AN WS       | White        | 100 | 1683480000 |
| <b>ZDU 2.5 2X2AN</b> |              |     |            |
| ZDU 2.5/2X2AN        |              |     |            |
| ZDU 2.5/2X2AN BR     | Brown        | 100 | 1683540000 |
| ZDU 2.5/2X2AN GN     | Green        | 100 | 1683520000 |
| ZDU 2.5/2X2AN GR     | Grey         | 100 | 1683550000 |
| ZDU 2.5/2X2AN OR     | Orange       | 100 | 1636810000 |
| <b>ZDU 2.5-2</b>     |              |     |            |
| ZDU 2.5-2 OR         | Orange       | 100 | 1772080000 |
| <b>ZDU 2.5-2/3AN</b> |              |     |            |
| ZDU 2.5-2/3AN GN     | Green        | 100 | 1806450000 |
| ZDU 2.5-2/3AN OR     | Orange       | 100 | 1706050000 |
| <b>ZDU 2.5-2/4AN</b> |              |     |            |
| ZDU 2.5-2/4AN OR     | Orange       | 100 | 1706080000 |
| <b>ZTR 2.5</b>       |              |     |            |
| ZTR 2.5 OR           | Orange       | 100 | 1636840000 |
| <b>ZTR 2.5/3AN</b>   |              |     |            |
| ZTR 2.5/3AN OR       | Orange       | 50  | 1670320000 |
| <b>ZTR 2.5/4AN</b>   |              |     |            |
| ZTR 2.5/4AN OR       | Orange       | 100 | 7920940000 |
| <b>ZTR 2.5-2</b>     |              |     |            |
| ZTR 2.5-2 OR         | Orange       | 100 | 1779130000 |
| <b>ZDK 2.5/1.5</b>   |              |     |            |
| ZDK 2.5/1.5 OR       | Orange       | 50  | 1694140000 |
| ZDK 2.5/1.5V BR      | Brown        | 50  | 1799790000 |
| <b>ZDK 2.5-2</b>     |              |     |            |
| ZDK 2.5-2 BR         | Brown        | 50  | 1799780000 |
| ZDK 2.5-2 GE         | Yellow       | 50  | 1831250000 |
| ZDK 2.5-2 GN         | Green        | 50  | 1831240000 |
| ZDK 2.5-2 OR         | Orange       | 50  | 1831260000 |
| ZDK 2.5-2 RT         | Red          | 50  | 1831220000 |
| ZDK 2.5-2 SW         | Black        | 50  | 1831230000 |
| ZDK 2.5-2 WS         | White        | 50  | 1831270000 |

## Accessories – Other functions / Colour range

### Mini-terminals

| 4 mm <sup>2</sup>  |              |     |            |
|--------------------|--------------|-----|------------|
| Type               | Colour       | Qty | Order no.  |
| <b>ZDU 4</b>       |              |     |            |
| ZDU 4 BR           | Brown        | 100 | 1683620000 |
| ZDU 4 GE           | Yellow       | 100 | 1683590000 |
| ZDU 4 GE/GN        | Yellow/green | 100 | 1698770000 |
| ZDU 4 GN           | Green        | 100 | 1683600000 |
| ZDU 4 GR           | Grey         | 100 | 1683630000 |
| ZDU 4 OR           | Orange       | 100 | 1636830000 |
| ZDU 4 RT           | Red          | 100 | 1683580000 |
| ZDU 4 SW           | Black        | 100 | 1683650000 |
| ZDU 4 VI           | Violet       | 100 | 1683610000 |
| ZDU 4 WS           | White        | 100 | 1683640000 |
| <b>ZDU 4-2/2AN</b> |              |     |            |
| ZDU 4-2/2AN OR     | Orange       | 100 | 1770850000 |
| <b>ZDU 4-2/3AN</b> |              |     |            |
| ZDU 4-2/3AN OR     | Orange       | 100 | 1770870000 |
| <b>ZDU 4-2/4AN</b> |              |     |            |
| ZDU 4-2/4AN OR     | Orange       | 100 | 1807000000 |

| 16 mm <sup>2</sup> |        |     |            |
|--------------------|--------|-----|------------|
| Type               | Colour | Qty | Order no.  |
| <b>ZDU 16</b>      |        |     |            |
| ZDU 16 BR          | Brown  | 25  | 1830700000 |
| ZDU 16 GE          | Yellow | 25  | 1830670000 |
| ZDU 16 GN          | Green  | 25  | 1830660000 |
| ZDU 16 OR          | Orange | 25  | 1830680000 |
| ZDU 16 RT          | Red    | 25  | 1830640000 |
| ZDU 16 SW          | Black  | 25  | 1830650000 |
| ZDU 16 WS          | White  | 25  | 1830690000 |

| 2.5 mm <sup>2</sup>   |        |     |            |
|-----------------------|--------|-----|------------|
| Type                  | Colour | Qty | Order no.  |
| <b>ZDUA 2.5-2</b>     |        |     |            |
| ZDUA 2.5-2 OR         | Orange | 100 | 1720940000 |
| ZDUA 2.5-2N BR        | Brown  | 100 | 1814520000 |
| <b>ZDUB 2.5-2/2AN</b> |        |     |            |
| ZDUB 2.5-2/2AN/DB OR  | Orange | 100 | 1704520000 |
| ZDUB 2.5-2/2AN/DM OR  | Orange | 100 | 1704370000 |
| ZDUB 2.5-2/2AN/RC OR  | Orange | 100 | 1712840000 |
| <b>ZDUB 2.5-2/4AN</b> |        |     |            |
| ZDUB 2.5-2/4AN/DB OR  | Orange | 100 | 1704710000 |
| ZDUB 2.5-2/4AN/DM OR  | Orange | 100 | 1704560000 |
| ZDUB 2.5-2/4AN/RC OR  | Orange | 100 | 1712990000 |

| 6 mm <sup>2</sup>  |              |     |            |
|--------------------|--------------|-----|------------|
| Type               | Colour       | Qty | Order no.  |
| <b>ZDU 6</b>       |              |     |            |
| ZDU 6 BR           | Brown        | 50  | 1830470000 |
| ZDU 6 GE           | Yellow       | 50  | 1830450000 |
| ZDU 6 GE/GN        | Yellow/green | 50  | 1698800000 |
| ZDU 6 GN           | Green        | 50  | 1830440000 |
| ZDU 6 OR           | Orange       | 50  | 1636820000 |
| ZDU 6 RT           | Red          | 50  | 1830420000 |
| ZDU 6 SW           | Black        | 50  | 1830430000 |
| ZDU 6 WS           | White        | 50  | 1830460000 |
| <b>ZDU 6-2/2AN</b> |              |     |            |
| ZDU 6-2/2AN OR     | Orange       | 50  | 1771400000 |
| <b>ZDU 6-2/3AN</b> |              |     |            |
| ZDU 6-2/3AN OR     | Orange       | 50  | 1771430000 |

| 35 mm <sup>2</sup> |        |     |            |
|--------------------|--------|-----|------------|
| Type               | Colour | Qty | Order no.  |
| <b>ZDU 35</b>      |        |     |            |
| ZDU 35 BR          | Brown  | 10  | 1830780000 |
| ZDU 35 GE          | Yellow | 10  | 1830750000 |
| ZDU 35 GN          | Green  | 10  | 1830730000 |
| ZDU 35 OR          | Orange | 10  | 1830760000 |
| ZDU 35 RT          | Red    | 10  | 1830710000 |
| ZDU 35 SW          | Black  | 10  | 1830720000 |
| ZDU 35 WS          | White  | 10  | 1830770000 |

| 10 mm <sup>2</sup> |              |     |            |
|--------------------|--------------|-----|------------|
| Type               | Colour       | Qty | Order no.  |
| <b>ZDU 10</b>      |              |     |            |
| ZDU 10 BR          | Brown        | 25  | 1830630000 |
| ZDU 10 GE          | Yellow       | 25  | 1830600000 |
| ZDU 10 GE/GN       | Yellow/green | 25  | 1783290000 |
| ZDU 10 GN          | Green        | 25  | 1830590000 |
| ZDU 10 OR          | Orange       | 25  | 1830610000 |
| ZDU 10 RT          | Red          | 25  | 1830570000 |
| ZDU 10 SW          | Black        | 25  | 1830580000 |
| ZDU 10 WS          | White        | 25  | 1830620000 |

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Delivery times see page X.2

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