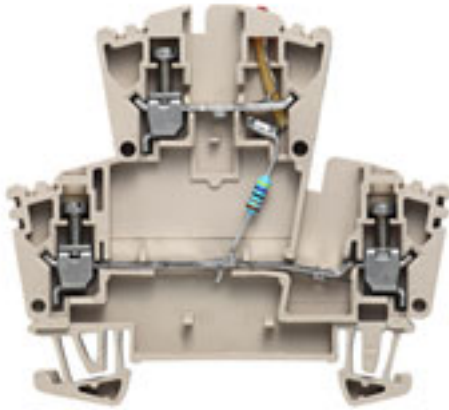


**WDK 2.5 LD RT 24VDC +-****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

|            |                                                                                                                    |
|------------|--------------------------------------------------------------------------------------------------------------------|
| Version    | W-Series, Feed-through terminal, Double-tier terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection |
| Order No.  | <a href="#">1023600000</a>                                                                                         |
| Type       | WDK 2.5 LD RT 24VDC +-                                                                                             |
| GTIN (EAN) | 4008190060855                                                                                                      |
| Qty.       | 25 pc(s).                                                                                                          |

**WDK 2.5 LD RT 24VDC +-****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Technical data****Dimensions and weights**

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 62.5 mm    | Depth (inches) | 2.461 inch |
| Depth including DIN rail | 63 mm      | Height         | 69 mm      |
| Height (inches)          | 2.717 inch | Width          | 5.1 mm     |
| Width (inches)           | 0.201 inch | Net weight     | 11.19 g    |

**Temperatures**

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C         |                                  |        |

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

**System specifications**

|                                     |                            |                               |     |
|-------------------------------------|----------------------------|-------------------------------|-----|
| Version                             | Screw connection, with LED | End cover plate required      | Yes |
| Number of potentials                | 1                          | Number of levels              | 2   |
| Number of clamping points per level | 2                          | Number of potentials per tier | 1   |
| Levels cross-connected internally   | Yes                        | PE connection                 | No  |
| Rail                                | TS 35                      | N-function                    | No  |
| PE function                         | No                         | PEN function                  | No  |

**Additional technical data**

|                             |         |                          |         |
|-----------------------------|---------|--------------------------|---------|
| Electronic component        | red LED | Explosion-tested version | No      |
| Number of similar terminals | 1       | Type of mounting         | Snap-on |

**Component**

|                    |               |          |
|--------------------|---------------|----------|
| Component LED      | Colour        | red      |
|                    | Voltage, min. | 6 V      |
|                    | Voltage, max. | 24 V     |
|                    | Current       | 20 mA    |
| Component resistor | Resistance    | 4.7 kOhm |
|                    | Power loss    | 0.4 W    |
|                    | Tolerance (%) | 1 %      |

**Conductors for clamping (rated connection)**

|            |              |
|------------|--------------|
| Blade size | 0.6 x 3.5 mm |
|------------|--------------|

## WDK 2.5 LD RT 24VDC +-

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

|                                                                                         |                                        |                              |                       |       |  |  |
|-----------------------------------------------------------------------------------------|----------------------------------------|------------------------------|-----------------------|-------|--|--|
| Clampable conductor                                                                     | Connection specification               |                              | Screw connection      |       |  |  |
|                                                                                         | Cross-section for conductor connection | Type                         | solid, H05(07) V-U    |       |  |  |
|                                                                                         |                                        | min.                         | 0.5 mm <sup>2</sup>   |       |  |  |
|                                                                                         |                                        | max.                         | 4 mm <sup>2</sup>     |       |  |  |
|                                                                                         |                                        | nominal                      | 2.5 mm <sup>2</sup>   |       |  |  |
|                                                                                         | wire end ferrule                       | Stripping length             | min.                  | 10 mm |  |  |
|                                                                                         |                                        |                              | max.                  | 10 mm |  |  |
|                                                                                         |                                        |                              | nominal               | 10 mm |  |  |
|                                                                                         |                                        | Recommended wire-end ferrule |                       |       |  |  |
|                                                                                         | Connection specification               |                              | Screw connection      |       |  |  |
|                                                                                         | Cross-section for conductor connection | Type                         | flexible, H05(07) V-K |       |  |  |
|                                                                                         |                                        | min.                         | 0.5 mm <sup>2</sup>   |       |  |  |
|                                                                                         |                                        | max.                         | 4 mm <sup>2</sup>     |       |  |  |
|                                                                                         |                                        | nominal                      | 2.5 mm <sup>2</sup>   |       |  |  |
|                                                                                         | wire end ferrule                       | Stripping length             | min.                  | 10 mm |  |  |
|                                                                                         |                                        |                              | max.                  | 10 mm |  |  |
|                                                                                         |                                        |                              | nominal               | 10 mm |  |  |
|                                                                                         |                                        | Recommended wire-end ferrule |                       |       |  |  |
| Clamping range, max.                                                                    |                                        | 4 mm <sup>2</sup>            |                       |       |  |  |
| Clamping range, min.                                                                    |                                        | 0.13 mm <sup>2</sup>         |                       |       |  |  |
| Clamping screw                                                                          |                                        | M 2.5                        |                       |       |  |  |
| Connection cross-section, stranded, max.                                                |                                        | 4 mm <sup>2</sup>            |                       |       |  |  |
| Connection cross-section, stranded, min.                                                |                                        | 1.5 mm <sup>2</sup>          |                       |       |  |  |
| Connection direction                                                                    |                                        | on side                      |                       |       |  |  |
| Gauge to IEC 60947-1                                                                    |                                        | A3                           |                       |       |  |  |
| Number of connections                                                                   |                                        | 3                            |                       |       |  |  |
| Stripping length                                                                        |                                        | 10 mm                        |                       |       |  |  |
| Tightening torque, max.                                                                 |                                        | 0.6 Nm                       |                       |       |  |  |
| Tightening torque, min.                                                                 |                                        | 0.4 Nm                       |                       |       |  |  |
| Type of connection                                                                      |                                        | Screw connection             |                       |       |  |  |
| Wire connection cross section, finely stranded, max.                                    |                                        | 4 mm <sup>2</sup>            |                       |       |  |  |
| Wire connection cross section, finely stranded, min.                                    |                                        | 0.5 mm <sup>2</sup>          |                       |       |  |  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. |                                        | 2.5 mm <sup>2</sup>          |                       |       |  |  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. |                                        | 0.5 mm <sup>2</sup>          |                       |       |  |  |
| Wire connection cross-section, solid core, max.                                         |                                        | 4 mm <sup>2</sup>            |                       |       |  |  |
| Wire connection cross-section, solid core, min.                                         |                                        | 0.5 mm <sup>2</sup>          |                       |       |  |  |

## Dimensions

|              |         |
|--------------|---------|
| TS 35 offset | 35.5 mm |
|--------------|---------|

## Display element

|                                     |      |                                     |      |
|-------------------------------------|------|-------------------------------------|------|
| Current                             | 5 mA | Indicator element                   | red  |
| Operating voltage for display, max. | 24 V | Operating voltage for display, min. | 24 V |
| Type of voltage for indicator       | DC   |                                     |      |

## WDK 2.5 LD RT 24VDC +-

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## General

|      |       |           |               |
|------|-------|-----------|---------------|
| Rail | TS 35 | Standards | IEC 60947-7-1 |
|------|-------|-----------|---------------|

## Rating data

|                                              |                     |                                 |               |
|----------------------------------------------|---------------------|---------------------------------|---------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                   | 24 V          |
| Current at maximum wires                     | 10 A                | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Rated impulse withstand voltage | 0.8 kV        |
| Power loss in accordance with IEC 60947-7-x  | 0.77 W              | Pollution severity              | 3             |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000903    | ETIM 7.0    | EC000903    |
| ETIM 8.0    | EC000903    | ECLASS 9.0  | 27-14-11-27 |
| ECLASS 9.1  | 27-14-11-47 | ECLASS 10.0 | 27-14-11-27 |
| ECLASS 11.0 | 27-14-11-27 |             |             |

## Important note

|                     |                                                               |
|---------------------|---------------------------------------------------------------|
| Product information | The allowed continuous operating temperature must be observed |
|---------------------|---------------------------------------------------------------|

## Approvals

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

## Downloads

|                                             |                                                                                                                                               |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                               |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                      |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                                               |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                      |
| Brochures                                   |                                                                                                                                               |

### WDK 2.5 LD RT 24VDC +-

**Weidmüller Interface GmbH & Co. KG**

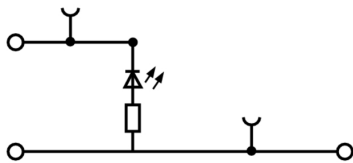
Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Drawings



## WDK 2.5 LD RT 24VDC +-

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

| Type       | WS 8/5 MC NE WS            | Version                                                           |
|------------|----------------------------|-------------------------------------------------------------------|
| Order No.  | <a href="#">1640740000</a> | WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190279103              | Allen-Bradley, white                                              |
| Qty.       | 720 pc(s).                 |                                                                   |

## Plus



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

| Type       | DEK 5/5 PLUS MC NE WS      | Version                                                   |
|------------|----------------------------|-----------------------------------------------------------|
| Order No.  | <a href="#">1854490000</a> | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4032248393596              | Weidmueller, white                                        |
| Qty.       | 1,000 pc(s).               |                                                           |

## WDK 2.5 LD RT 24VDC +-

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

|            |                            |                                                           |
|------------|----------------------------|-----------------------------------------------------------|
| Type       | DEK 5/5 MC NE WS           | Version                                                   |
| Order No.  | <a href="#">1609801044</a> | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111              | Weidmueller, white                                        |
| Qty.       | 1,000 pc(s).               |                                                           |

## Custom printing



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text.

WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

|            |                            |                                                                   |
|------------|----------------------------|-------------------------------------------------------------------|
| Type       | WS 8/5 MC SDR              | Version                                                           |
| Order No.  | <a href="#">1640750000</a> | WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190456627              | Allen-Bradley, To customer specification                          |
| Qty.       | 144 pc(s).                 |                                                                   |

## WDK 2.5 LD RT 24VDC +-

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

2.5 mm<sup>2</sup>


2.5  
mm<sup>2</sup>

Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

## General ordering data

|            |                            |                                                                   |
|------------|----------------------------|-------------------------------------------------------------------|
| Type       | WQV 2.5/8                  | Version                                                           |
| Order No.  | <a href="#">1054260000</a> | W-Series, Cross-connector, For the terminals, Number of poles: 8  |
| GTIN (EAN) | 4008190073572              |                                                                   |
| Qty.       | 10 pc(s).                  |                                                                   |
| Type       | WQV 2.5/30                 | Version                                                           |
| Order No.  | <a href="#">1067500000</a> | W-Series, Cross-connector, For the terminals, Number of poles: 30 |
| GTIN (EAN) | 4008190031107              |                                                                   |
| Qty.       | 10 pc(s).                  |                                                                   |
| Type       | WQV 2.5/20                 | Version                                                           |
| Order No.  | <a href="#">1577570000</a> | W-Series, Cross-connector, For the terminals, Number of poles: 20 |
| GTIN (EAN) | 4008190125868              |                                                                   |
| Qty.       | 10 pc(s).                  |                                                                   |
| Type       | WQV 2.5/32                 | Version                                                           |
| Order No.  | <a href="#">1577600000</a> | W-Series, Cross-connector, For the terminals, Number of poles: 32 |
| GTIN (EAN) | 4008190154035              |                                                                   |
| Qty.       | 10 pc(s).                  |                                                                   |
| Type       | WQV 2.5/3                  | Version                                                           |
| Order No.  | <a href="#">1053760000</a> | W-Series, Cross-connector, For the terminals, Number of poles: 3  |
| GTIN (EAN) | 4008190058999              |                                                                   |
| Qty.       | 50 pc(s).                  |                                                                   |
| Type       | WQV 2.5/5                  | Version                                                           |
| Order No.  | <a href="#">1053960000</a> | W-Series, Cross-connector, For the terminals, Number of poles: 5  |
| GTIN (EAN) | 4008190158446              |                                                                   |
| Qty.       | 10 pc(s).                  |                                                                   |
| Type       | WQV 2.5/10                 | Version                                                           |
| Order No.  | <a href="#">1054460000</a> | W-Series, Cross-connector, For the terminals, Number of poles: 10 |
| GTIN (EAN) | 4008190135089              |                                                                   |
| Qty.       | 20 pc(s).                  |                                                                   |
| Type       | WQV 2.5/4                  | Version                                                           |
| Order No.  | <a href="#">1053860000</a> | W-Series, Cross-connector, For the terminals, Number of poles: 4  |
| GTIN (EAN) | 4008190049706              |                                                                   |
| Qty.       | 50 pc(s).                  |                                                                   |
| Type       | WQV 2.5/7                  | Version                                                           |
| Order No.  | <a href="#">1054160000</a> | W-Series, Cross-connector, For the terminals, Number of poles: 7  |
| GTIN (EAN) | 4008190011246              |                                                                   |
| Qty.       | 10 pc(s).                  |                                                                   |
| Type       | WQV 2.5/6                  | Version                                                           |
| Order No.  | <a href="#">1054060000</a> | W-Series, Cross-connector, For the terminals, Number of poles: 6  |
| GTIN (EAN) | 4008190102272              |                                                                   |
| Qty.       | 10 pc(s).                  |                                                                   |

Creation date January 18, 2022 6:12:16 PM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

## WDK 2.5 LD RT 24VDC +-

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

|            |                            |                                                                   |
|------------|----------------------------|-------------------------------------------------------------------|
| Type       | WQV 2.5/15                 | Version                                                           |
| Order No.  | <a href="#">1059660000</a> | W-Series, Cross-connector, For the terminals, Number of poles: 15 |
| GTIN (EAN) | 4008190002411              |                                                                   |
| Qty.       | 10 pc(s).                  |                                                                   |

|            |                            |                                                                  |
|------------|----------------------------|------------------------------------------------------------------|
| Type       | WQV 2.5/2                  | Version                                                          |
| Order No.  | <a href="#">1053660000</a> | W-Series, Cross-connector, For the terminals, Number of poles: 2 |
| GTIN (EAN) | 4008190031121              |                                                                  |
| Qty.       | 50 pc(s).                  |                                                                  |

2.5 mm<sup>2</sup>

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

## General ordering data

|            |                            |                     |
|------------|----------------------------|---------------------|
| Type       | WAP WDK2.5                 | Version             |
| Order No.  | <a href="#">1059100000</a> | W-Series, End plate |
| GTIN (EAN) | 4008190101954              |                     |
| Qty.       | 20 pc(s).                  |                     |

## With lightning flash



The WAD connector marker is suitable for W-series terminals and for the WEW 35/2 and ZEW 35/2 end brackets. The markers are available as blank markers, with custom printing or standard print with lightning symbol. The WAD MultiCard markers are suitable for labelling with PrintJet CONNECT printers.

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

|            |                            |                                                                 |
|------------|----------------------------|-----------------------------------------------------------------|
| Type       | WAD 5 MC B GE/SW           | Version                                                         |
| Order No.  | <a href="#">1120450000</a> | Group markers, Cover, 33.3 x 5 mm, Pitch in mm (P): 5.00 yellow |
| GTIN (EAN) | 4032248901272              |                                                                 |
| Qty.       | 48 pc(s).                  |                                                                 |

**WDK 2.5 LD RT 24VDC +-****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Accessories****SAK-Series**

**SAK**  
Series

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

**General ordering data**

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | EW 35                      | Version                  |
| Order No.  | <a href="#">0383560000</a> | Accessories, End bracket |
| GTIN (EAN) | 4008190181314              |                          |
| Qty.       | 50 pc(s).                  |                          |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Weidmuller:](#)

[1023600000](#)