

**A2C 150/185-DM****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

|            |                                                                                 |
|------------|---------------------------------------------------------------------------------|
| Version    | Feed-through terminal, PUSH IN, 150 mm <sup>2</sup> , 1000 V, 309 A, dark beige |
| Order No.  | <a href="#">2728770000</a>                                                      |
| Type       | A2C 150/185-DM                                                                  |
| GTIN (EAN) | 4050118801552                                                                   |
| Qty.       | 5 pc(s).                                                                        |

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

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 98 mm    | Depth (inches)  | 3.858 inch |
| Height     | 151 mm   | Height (inches) | 5.945 inch |
| Width      | 31 mm    | Width (inches)  | 1.22 inch  |
| Net weight | 316.69 g |                 |            |

**Temperatures**

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -60 °C |
| Continuous operating temp., max. | 130 °C         |                                  |        |

**Material data**

|                                |        |                           |            |
|--------------------------------|--------|---------------------------|------------|
| Material                       | Wemid  | Colour                    | dark beige |
| Colour of operational elements | orange | UL 94 flammability rating | V-0        |

**Rating data IECEx/ATEX**

|                                |                     |                                 |                     |
|--------------------------------|---------------------|---------------------------------|---------------------|
| Certificate No. (ATEX)         | TUEV16ATEX7909U     | Certificate No. (IECEX)         | IECEXTUR16.0036U    |
| Max. voltage (ATEX)            | 1100 V              | Current (ATEX)                  | 272 A               |
| Wire cross section max. (ATEX) | 185 mm <sup>2</sup> | Max. voltage (IECEX)            | 1100 V              |
| Current (IECEX)                | 272 A               | Wire cross section max. (IECEX) | 185 mm <sup>2</sup> |

**System specifications**

|                                   |    |                                     |                |
|-----------------------------------|----|-------------------------------------|----------------|
| End cover plate required          | No | Number of potentials                | 1              |
| Number of levels                  | 1  | Number of clamping points per level | 2              |
| Levels cross-connected internally | No | Rail                                | Mounting plate |
| N-function                        | No | PE function                         | No             |
| PEN function                      | No |                                     |                |

**Additional technical data**

|                          |                 |                |                 |
|--------------------------|-----------------|----------------|-----------------|
| Explosion-tested version | No              | Open sides     | closed          |
| Snap-on                  | No              | Type of fixing | when screwed in |
| Type of mounting         | Direct mounting |                |                 |

**Conductors for clamping (additional connection)**

Connection type, additional connection PUSH IN

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## Technical data

## Conductors for clamping (rated connection)

|                                                                                         |                     |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 1.0 x 5.5 mm        | Clamping range, max.                                                                    | 185 mm <sup>2</sup> |
| Clamping range, min.                                                                    | 50 mm <sup>2</sup>  | Connection cross-section, stranded, max.                                                | 185 mm <sup>2</sup> |
| Connection cross-section, stranded, min.                                                | 50 mm <sup>2</sup>  | Connection direction                                                                    | on side             |
| Gauge to IEC 60947-1                                                                    | B13                 | Number of connections                                                                   | 2                   |
| Stripping length                                                                        | 40 mm               | Type of connection                                                                      | PUSH IN             |
| Wire connection cross section AWG, max.                                                 | kcmil 300           | Wire connection cross section AWG, min.                                                 | AWG 1/0             |
| Wire connection cross section, finely stranded, max.                                    | 185 mm <sup>2</sup> | Wire connection cross section, finely stranded, min.                                    | 50 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 150 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 50 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 150 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 50 mm <sup>2</sup>  |
| Wire connection cross-section, solid core, max.                                         | 150 mm <sup>2</sup> | Wire connection cross-section, solid core, min.                                         | 50 mm <sup>2</sup>  |

## General

|                                         |                |                                         |               |
|-----------------------------------------|----------------|-----------------------------------------|---------------|
| Rail                                    | Mounting plate | Standards                               | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | kcmil 300      | Wire connection cross section AWG, min. | AWG 1/0       |

## Rating data

|                                              |                     |                                 |               |
|----------------------------------------------|---------------------|---------------------------------|---------------|
| Rated cross-section                          | 150 mm <sup>2</sup> | Rated voltage                   | 1,000 V       |
| Rated DC voltage                             | 1,500 V             | Rated current                   | 309 A         |
| Current at maximum wires                     | 309 A               | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.1 mΩ              | Rated impulse withstand voltage | 8 kV          |
| Power loss in accordance with IEC 60947-7-x  | 9.89 W              | Pollution severity              | 3             |
| Surge voltage category                       | III                 |                                 |               |

## UL rating data

|                                            |        |                                            |           |
|--------------------------------------------|--------|--------------------------------------------|-----------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 350 kcmil |
| Conductor size Factory wiring min. (cURus) | 2 AWG  | Conductor size Field wiring max. (cURus)   | 350 kcmil |
| Conductor size Field wiring min. (cURus)   | 2 AWG  | Current size B (cURus)                     | 310 A     |
| Current size C (cURus)                     | 310 A  | Voltage size B (cURus)                     | 600 V     |
| Voltage size C (cURus)                     | 600 V  |                                            |           |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | EC000897    | ECLASS 9.0  | 27-14-11-20 |
| ECLASS 9.1  | 27-14-11-20 | ECLASS 10.0 | 27-14-11-20 |
| ECLASS 11.0 | 27-14-11-20 | ECLASS 12.0 | 27-14-11-20 |
| ECLASS 13.0 | 27-25-01-01 | ECLASS 14.0 | 27-25-01-01 |
| ECLASS 15.0 | 27-25-01-01 |             |             |

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## Technical data

## Approvals

Approvals



|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS                    | Conform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| UL File Number Search   | UL Website                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Certificate No. (cURus) | E60693                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Important note

|                     |                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------|
| Product information | The max. connectable wire reduces by one wire size if a cross connector is used that has to be mounted in the wire entry. |
|---------------------|---------------------------------------------------------------------------------------------------------------------------|

## Downloads

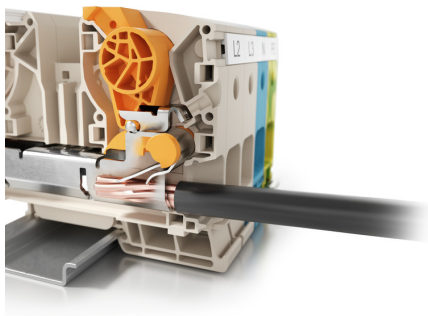
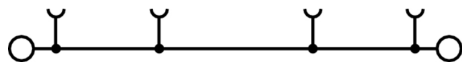
|                                             |                                                                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">CE Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                 |
| User Documentation                          | <a href="#">Instruction sheet</a><br><a href="#">NTI A2C 150_185</a>                                                            |

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## Drawings



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## Accessories

## A-Series

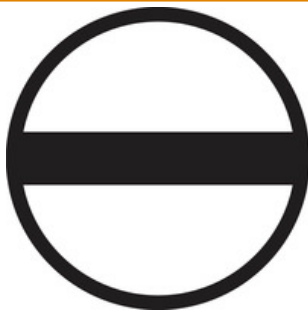


Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

## General ordering data

|            |                            |                       |
|------------|----------------------------|-----------------------|
| Type       | AEB 35 SCL/1 V0 BK         | Version               |
| Order No.  | <a href="#">2661300000</a> | A-series, End bracket |
| GTIN (EAN) | 4050118702187              |                       |
| Qty.       | 20 pc(s).                  |                       |
| Type       | AEB 35 SCL/1 V0            | Version               |
| Order No.  | <a href="#">2661280000</a> | A-series, End bracket |
| GTIN (EAN) | 4050118702163              |                       |
| Qty.       | 20 pc(s).                  |                       |
| Type       | AEB 35 SCL/1 V0 GY         | Version               |
| Order No.  | <a href="#">2661290000</a> | A-series, End bracket |
| GTIN (EAN) | 4050118702170              |                       |
| Qty.       | 20 pc(s).                  |                       |

## Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

## General ordering data

|            |                            |                                                                   |
|------------|----------------------------|-------------------------------------------------------------------|
| Type       | SDS 1.0X5.5X150            | Version                                                           |
| Order No.  | <a href="#">2749380000</a> | Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade |
| GTIN (EAN) | 4050118895605              | thickness (A): 1 mm                                               |
| Qty.       | 1 pc(s).                   |                                                                   |
| Type       | SDS 1.0X5.5X150            | Version                                                           |
| Order No.  | <a href="#">9008350000</a> | Screwdriver, Screwdriver                                          |
| GTIN (EAN) | 4032248056316              |                                                                   |
| Qty.       | 1 pc(s).                   |                                                                   |

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## Accessories

## WS 8/16



## WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

## Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

## General ordering data

|            |                            |                                                    |
|------------|----------------------------|----------------------------------------------------|
| Type       | WS-A 8/16 MM WS            | Version                                            |
| Order No.  | <a href="#">2619910000</a> | WS, Terminal marker, 8 x 16 mm, Weidmueller, white |
| GTIN (EAN) | 4050118626179              |                                                    |
| Qty.       | 200 pc(s).                 |                                                    |

## A-Series



## Power feed-in

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

## General ordering data

|            |                            |                                                                   |
|------------|----------------------------|-------------------------------------------------------------------|
| Type       | AAC 50-185 2X10 BL         | Version                                                           |
| Order No.  | <a href="#">2663430000</a> | Auxiliary connection (terminal), 10 mm², Number of connections: 2 |
| GTIN (EAN) | 4064675027973              |                                                                   |
| Qty.       | 5 pc(s).                   |                                                                   |
| Type       | AAC 50-185 2X10            | Version                                                           |
| Order No.  | <a href="#">2663420000</a> | Auxiliary connection (terminal), 10 mm², Number of connections: 2 |
| GTIN (EAN) | 4064675027966              |                                                                   |
| Qty.       | 5 pc(s).                   |                                                                   |

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|            |                            |                                                                   |
|------------|----------------------------|-------------------------------------------------------------------|
| Type       | AAC 50-185 2X10 BK-YL      | Version                                                           |
| Order No.  | <a href="#">2663450000</a> | Auxiliary connection (terminal), 10 mm², Number of connections: 2 |
| GTIN (EAN) | 4064675027997              |                                                                   |
| Qty.       | 5 pc(s).                   |                                                                   |
| Type       | AAC 50-185 2X10 GN-YL      | Version                                                           |
| Order No.  | <a href="#">2663440000</a> | Auxiliary connection (terminal), 10 mm², Number of connections: 2 |
| GTIN (EAN) | 4064675027980              |                                                                   |
| Qty.       | 5 pc(s).                   |                                                                   |

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## Drawings

