# A4C 6 PE DL

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

**Spring connection with PUSH IN Technology**
The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

## General ordering data

| | |
|---|---|
| Version | PE terminal, PUSH IN, 6 mm², Green/yellow |
| Order No. | 2881540000 |
| Type | A4C 6 PE DL |
| GTIN (EAN) | 4064675674221 |
| Qty. | 50 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 45.5 mm | Depth (inches) | 1.791 inch |
| Height | 102 mm | Height (inches) | 4.016 inch |
| Width | 8.1 mm | Width (inches) | 0.319 inch |
| Net weight | 29.338 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 | Green/yellow |
| Colour of operational elements | orange | UL 94 flammability rating | V-0 |

### Rating data IECEx/ATEX

| | | | |
|---|---|---|---|
| Certificate No. (ATEX) | TUEV16ATEX7909U | Certificate No. (IECEX) | IECEXTUR16.0036U |
| Wire cross section max. (ATEX) | 6 mm² | Wire cross section max. (IECEX) | 6 mm² |

### System specifications

| | | | |
|---|---|---|---|
| End cover plate required | Yes | Number of potentials | 1 |
| Number of levels | 1 | Number of clamping points per level | 4 |
| Number of potentials per tier | 1 | Levels cross-connected internally | No |
| Rail | TS 35 | N-function | No |
| PE function | Yes | PEN function | No |

### Additional technical data

| | | | |
|---|---|---|---|
| Explosion-tested version | No | Open sides | right |
| Snap-on | Yes | Type of fixing | TS 35 |
| Type of mounting | TS 35 | | |

### Conductors for clamping (additional connection)

| | |
|---|---|
| Connection type, additional connection | PUSH IN |

### Conductors for clamping (rated connection)

| | |
|---|---|
| Blade size | 1.0 x 5.5 mm |
| Clamping range, max. | 10 mm² |
| Clamping range, min. | 0.34 mm² |
| Connection cross-section, stranded, max. | 6 mm² |
| Connection cross-section, stranded, min. | 0.5 mm² |
| Connection direction | top |
| Gauge to IEC 60947-1 | A5 |
| Number of connections | 4 |
| Stripping length | 12 mm |

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## Technical data

| | | | |
|---|---|---|---|
| Tube length for twin wire-end ferrule | Tube length | max. | 12 mm |
| | | min. | 10 mm |
| | Cross-section for conductor connection | nominal | 0.5 mm² |
| | Tube length | max. | 18 mm |
| | | min. | 10 mm |
| | Cross-section for conductor connection | nominal | 0.75 mm² |
| | Tube length | max. | 18 mm |
| | | min. | 12 mm |
| | Cross-section for conductor connection | min. | 1 mm² |
| | | max. | 1.5 mm² |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Cross-section for conductor connection | min. | 0.5 mm² |
| | | max. | 1 mm² |
| | Tube length | max. | 12 mm |
| | | min. | 10 mm |
| | Cross-section for conductor connection | nominal | 1.5 mm² |
| | Tube length | max. | 18 mm |
| | | min. | 10 mm |
| | Cross-section for conductor connection | nominal | 2.5 mm² |
| | Tube length | max. | 18 mm |
| | | min. | 12 mm |
| | Cross-section for conductor connection | min. | 4 mm² |
| | | max. | 6 mm² |
| | Tube length | max. | 18 mm |
| | | min. | 10 mm |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Cross-section for conductor connection | min. | 0.5 mm² |
| | | max. | 1 mm² |
| | Tube length | nominal | 10 mm |
| | Cross-section for conductor connection | min. | 1.5 mm² |
| | | max. | 2.5 mm² |
| | Tube length | min. | 10 mm |
| | Cross-section for conductor connection | nominal | 4 mm² |
| | Tube length | max. | 18 mm |
| | | min. | 12 mm |
| | Cross-section for conductor connection | min. | 6 mm² |
| | | max. | 10 mm² |
| | Tube length | max. | 18 mm |
| | | min. | 10 mm |

| | |
|---|---|
| Twin wire-end ferrules, max. | 1.5 mm² |
| Twin wire-end ferrules, min. | 0.5 mm² |
| Type of connection | PUSH IN |
| Wire connection cross section AWG, max. | AWG 8 |
| Wire connection cross section AWG, min. | AWG 22 |
| Wire connection cross section, finely stranded, max. | 10 mm² |
| Wire connection cross section, finely stranded, min. | 0.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 10 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 6 mm² |

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## Technical data

| | |
|---|---|
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm² |
| Wire connection cross-section, solid core, max. | 6 mm² |
| Wire connection cross-section, solid core, min. | 0.5 mm² |

### General

| | | | |
|---|---|---|---|
| Rail | TS 35 | Standards | IEC 60947-7-2 |
| Wire connection cross section AWG, max. | AWG 8 | Wire connection cross section AWG, min. | AWG 22 |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 6 mm² | Rated voltage to adjoining terminal | 800 V |
| Rated DC voltage | 800 V | Current at maximum wires | 41 A |
| Standards | IEC 60947-7-2 | Volume resistance according to IEC 60947-7-x | 0.78 mΩ |
| Rated impulse withstand voltage | 8 kV | Power loss in accordance with IEC 60947-7-x | 1.31 W |
| Pollution severity | 3 | Surge voltage category | III |

### UL rating data

| | | | |
|---|---|---|---|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 8 AWG |
| Conductor size Factory wiring min. (cURus) | 22 AWG | Conductor size Field wiring max. (cURus) | 8 AWG |
| Conductor size Field wiring min. (cURus) | 22 AWG | | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC000901 | ETIM 7.0 | EC000901 |
| ETIM 8.0 | EC000901 | ETIM 9.0 | EC000901 |
| ECLASS 9.0 | 27-14-11-41 | ECLASS 9.1 | 27-14-11-41 |
| ECLASS 10.0 | 27-14-11-41 | ECLASS 11.0 | 27-14-11-41 |
| ECLASS 12.0 | 27-14-11-41 | ECLASS 13.0 | 27-25-01-03 |

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | / |

### Approvals

Approvals

| | |
|---|---|
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |

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## Technical data

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Attestation of Conformity<br>CCC Ex Certificate<br>20-AV4BO-0269U<br>CE Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |

## A4C 6 PE DL

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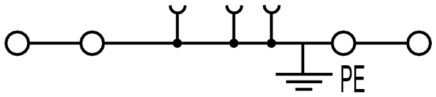
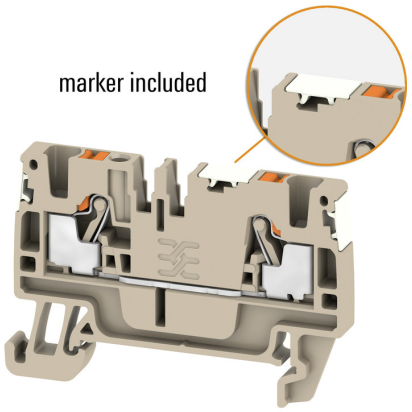
## Drawings



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## Accessories

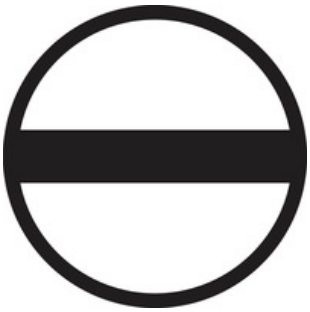
### A-Series

A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

#### General ordering data

| | | |
|---|---|---|
| Type | APP 2 | Version |
| Order No. | 2489090000 | A-series, Partition plate |
| GTIN (EAN) | 4050118499308 | |
| Qty. | 50 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. | 2749380000 | Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade |
| GTIN (EAN) | 4050118895605 | thickness (A): 1 mm |
| Qty. | 1 pc(s). | |

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## Accessories

### Digital current clamp devices

Digital current clamp devices and attachments and adapters are used for measuring AC and DC currents. The significant advantage of these devices is that you can make a measurement without breaking the flow of current.

#### General ordering data

| | | |
|---|---|---|
| Type | ZUB MULTIMETER | Version |
| Order No. | 9205270000 | Multimeter |
| GTIN (EAN) | 4032248723522 | |
| Qty. | 1 pc(s). | |

### 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 | Version |
| Order No. | 2661280000 | A-series, End bracket |
| GTIN (EAN) | 4050118702163 | |
| Qty. | 20 pc(s). | |

| | | |
|---|---|---|
| Type | AEB 35 SCL/1 V0 GY | Version |
| Order No. | 2661290000 | A-series, End bracket |
| GTIN (EAN) | 4050118702170 | |
| Qty. | 20 pc(s). | |

| | | |
|---|---|---|
| Type | AEB 35 SC/1 | Version |
| Order No. | 1991920000 | A-series, End bracket |
| GTIN (EAN) | 4050118376722 | |
| Qty. | 50 pc(s). | |

| | | |
|---|---|---|
| Type | AEB 35 SC/1 BK | Version |
| Order No. | 2475310000 | A-series, End bracket |
| GTIN (EAN) | 4050118487114 | |
| Qty. | 50 pc(s). | |

| | | |
|---|---|---|
| Type | AEB 35 SCL/1 V0 BK | Version |
| Order No. | 2661300000 | A-series, End bracket |
| GTIN (EAN) | 4050118702187 | |
| Qty. | 20 pc(s). | |

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## Accessories

### 6 mm²

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 | AEP 4C 6 | Version |
| Order No. | 2876180000 | A-series, End plate |
| GTIN (EAN) | 4064675663072 | |
| Qty. | 50 pc(s). | |
| Type | AEP 4C 6 BL | Version |
| Order No. | 2876190000 | A-series, End plate |
| GTIN (EAN) | 4064675663089 | |
| Qty. | 50 pc(s). | |
| Type | AEP 4C 6 OR | Version |
| Order No. | 2876200000 | A-series, End plate |
| GTIN (EAN) | 4064675663096 | |
| Qty. | 50 pc(s). | |

### 6 mm²

The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

#### General ordering data

| | | |
|---|---|---|
| Type | ZQV 6N/7 | Version |
| Order No. | 2733960000 | Cross-connector (terminal), Plugged, Number of poles: 7, Pitch in mm |
| GTIN (EAN) | 4064675066804 | (P): 8.00, Insulated: Yes, 41 A, orange |
| Qty. | 20 pc(s). | |
| Type | ZQV 6N/3 | Version |
| Order No. | 1985760000 | Cross-connector (terminal), Plugged, Number of poles: 3, Pitch in mm |
| GTIN (EAN) | 4050118370263 | (P): 8.00, Insulated: Yes, 41 A, orange |
| Qty. | 60 pc(s). | |
| Type | ZQV 6N/4 | Version |
| Order No. | 1985780000 | Cross-connector (terminal), Plugged, Number of poles: 4, Pitch in mm |
| GTIN (EAN) | 4050118370287 | (P): 8.00, Insulated: Yes, 41 A, orange |
| Qty. | 60 pc(s). | |

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## Accessories

| | | |
|---|---|---|
| Type | ZQV 6N/10 | Version |
| Order No. | 2733970000 | Cross-connector (terminal), Plugged, Number of poles: 10, Pitch in mm |
| GTIN (EAN) | 4064675066811 | (P): 8.00, Insulated: Yes, 41 A, orange |
| Qty. | 20 pc(s). | |
| Type | ZQV 6N/3 BL | Version |
| Order No. | 1985840000 | Cross-connector (terminal), Plugged, Number of poles: 3, Pitch in mm |
| GTIN (EAN) | 4050118370379 | (P): 8.00, Insulated: Yes, 41 A, blue |
| Qty. | 60 pc(s). | |
| Type | ZQV 6N/6 | Version |
| Order No. | 2733950000 | Cross-connector (terminal), Plugged, Number of poles: 6, Pitch in mm |
| GTIN (EAN) | 4064675066699 | (P): 8.00, Insulated: Yes, 41 A, orange |
| Qty. | 20 pc(s). | |
| Type | ZQV 6N/6 BL | Version |
| Order No. | 2786890000 | Cross-connector (terminal), Plugged, Number of poles: 6, Pitch in mm |
| GTIN (EAN) | 4064675064572 | (P): 8.00, Insulated: Yes, 41 A, blue |
| Qty. | 20 pc(s). | |
| Type | ZQV 6N/2 | Version |
| Order No. | 1985740000 | Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm |
| GTIN (EAN) | 4050118370362 | (P): 8.00, Insulated: Yes, 41 A, orange |
| Qty. | 60 pc(s). | |
| Type | ZQV 6N/2 BL | Version |
| Order No. | 1985830000 | Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm |
| GTIN (EAN) | 4050118370232 | (P): 8.00, Insulated: Yes, 41 A, blue |
| Qty. | 60 pc(s). | |
| Type | ZQV 6N/4 BL | Version |
| Order No. | 1985850000 | Cross-connector (terminal), Plugged, Number of poles: 4, Pitch in mm |
| GTIN (EAN) | 4050118370447 | (P): 8.00, Insulated: Yes, 41 A, blue |
| Qty. | 60 pc(s). | |
| Type | ZQV 6N/7 BL | Version |
| Order No. | 2786900000 | Cross-connector (terminal), Plugged, Number of poles: 7, Pitch in mm |
| GTIN (EAN) | 4064675064596 | (P): 8.00, Insulated: Yes, 41 A, blue |
| Qty. | 20 pc(s). | |
| Type | ZQV 6N/10 BL | Version |
| Order No. | 2786910000 | Cross-connector (terminal), Plugged, Number of poles: 10, Pitch in mm |
| GTIN (EAN) | 4064675064602 | (P): 8.00, Insulated: Yes, 41 A, blue |
| Qty. | 20 pc(s). | |

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## Accessories

### A-Series

Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

### General ordering data

| | | |
|---|---|---|
| Type | ATPG 6 MI-R | Version |
| Order No. | 1991930000 | Test adapter (terminal), 1.5 mm², 250 V, 0.2 A |
| GTIN (EAN) | 4050118376555 | |
| Qty. | 50 pc(s). | |

| | | |
|---|---|---|
| Type | ATPG 1.5-10 L | Version |
| Order No. | 1991890000 | Test adapter (terminal), 1.5 mm², 250 V, 0.2 A |
| GTIN (EAN) | 4050118376647 | |
| Qty. | 50 pc(s). | |

### A-Series

Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

### General ordering data

| | | |
|---|---|---|
| Type | AAM 6 YE FLASH | Version |
| Order No. | 2635570000 | Terminal marker, 13 x 8.1 mm, Pitch in mm (P): 8.00 yellow |
| GTIN (EAN) | 4050118674514 | |
| Qty. | 40 pc(s). | |