# A4C 4 BR

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

www.weidmueller.com

## Product image

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, 4 mm², 800 V, 32 A, brown |
| Order No. | 2534390000 |
| Type | A4C 4 BR |
| GTIN (EAN) | 4050118546088 |
| Qty. | 50 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 39.5 mm | Depth (inches) | 1.555 inch |
| Depth including DIN rail | 40.5 mm | Height | 87.5 mm |
| Height (inches) | 3.445 inch | Width | 6.1 mm |
| Width (inches) | 0.24 inch | Net weight | 15.06 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 | brown |
| 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) | 550 V | Current (ATEX) | 30 A |
| Wire cross section max. (ATEX) | 4 mm² | Max. voltage (IECEX) | 550 V |
| Current (IECEX) | 30 A | Wire cross section max. (IECEX) | 4 mm² |
| Marking EN 60079-7 | Ex eb II C Gb | Ex 2014/34/EU label | II 2 G D |

### System specifications

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

### Additional technical data

| | | | |
|---|---|---|---|
| Explosion-tested version | Yes | Installation advice | Rail |
| Open sides | right | Snap-on | No |
| Type of fixing | Snap-on | Type of mounting | TS 35 |
| With snap-in pegs | No | | |

### CSA rating data

| | | | |
|---|---|---|---|
| Certificate No. (CSA) | 200039-70089609 | Current size B (CSA) | 30 A |
| Current size C (CSA) | 30 A | Current size D (CSA) | 5 A |
| Voltage size B (CSA) | 600 V | Voltage size C (CSA) | 600 V |
| Voltage size D (CSA) | 600 V | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

### Conductors for clamping (additional connection)

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

### Conductors for clamping (rated connection)

| | |
|---|---|
| Blade size | 0.4 x 2.0 mm |
| Clamping range, max. | 6 mm² |
| Clamping range, min. | 0.14 mm² |

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## Technical data

| | | | |
|---|---|---|---|
| Connection cross-section, stranded, max. | 6 mm² | | |
| Connection cross-section, stranded, min. | 0.5 mm² | | |
| Connection direction | top | | |
| Gauge to IEC 60947-1 | A1 | | |
| Number of connections | 4 | | |
| Stripping length | 12 mm | | |
| Tube length for twin wire-end ferrule | Cross-section for conductor connection | min. | 0.5 mm² |
| | | max. | 1.5 mm² |
| | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| 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 | min. | 6 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 1.5 mm² |
| | | max. | 2.5 mm² |
| | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 4 mm² |
| | Tube length | min. | 10 mm |
| | | max. | 12 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 | min. | 6 mm |
| | | max. | 10 mm |
| | Cross-section for conductor connection | min. | 1.5 mm² |
| | | max. | 2.5 mm² |
| | Tube length | min. | 7 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 4 mm² |
| | | max. | 6 mm² |
| | Tube length | min. | 9 mm |
| | | max. | 15 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 12 | | |
| Wire connection cross section AWG, min. | AWG 26 | | |
| Wire connection cross section, finely stranded, max. | 6 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. | 6 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. | 4 mm² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm² | | |
| Wire connection cross-section, solid core, max. | 4 mm² | | |

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| | |
|---|---|
| Wire connection cross-section, solid core, min. | 0.5 mm² |

### General

| | | | |
|---|---|---|---|
| Installation advice | Rail | Rail | TS 35 |
| Standards | IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26 | | |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 4 mm² | Rated voltage | 800 V |
| Rated DC voltage | 800 V | Rated current | 32 A |
| Current at maximum wires | 32 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1 mΩ | Rated impulse withstand voltage | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 1.02 W | Pollution severity | 3 |
| Surge voltage category | III | | |

### UL rating data

| | | | |
|---|---|---|---|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 10 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus) | 10 AWG |
| Conductor size Field wiring min. (cURus) | 26 AWG | Current size B (cURus) | 30 A |
| Current size C (cURus) | 30 A | Current size D (cURus) | 5 A |
| Voltage size B (cURus) | 600 V | Voltage size C (cURus) | 600 V |
| Voltage size D (cURus) | 600 V | | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | EC000897 | ETIM 9.0 | 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 | | |

### Environmental Product Compliance

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

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## Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |
| Certificate No. (cURusEX) | E184763 |

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Attestation of Conformity<br>DE PT0101 20171010 037 ISSUE01.pdf<br>UKCA Ex Attestation of Conformity<br>IECEx Certificate<br>ATEX Certificate<br>CB Test Certificate<br>CB Certificate<br>DNVGL certificate<br>CCC Ex Certificate<br>UKCA Ex Certificate<br>20-AV4BO-0269U<br>DNV Certificate<br>UKCA declaration of conformity<br>Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| Tender specification | Klippon® Connect 2534390000 DE<br>Klippon® Connect 2534390000 EN |
| User Documentation | NTI_A4C 4.pdf<br>StorageConditionsTerminalBlocks<br>NTI ALO16<br>User Manual AXC 1.5-16 |
| Catalogues | Catalogues in PDF-format |

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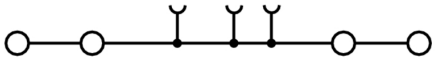
## Drawings