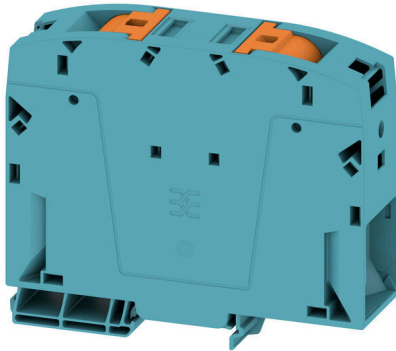


A2C 150/185 BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

More and more components need to be housed within a confined space, in switchgear and panels. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient, and space-saving.

General ordering data

| | |
|------------|---------------------------------------------------------------------------|
| Version | Feed-through terminal, PUSH IN, 150 mm ² , 1000 V, 309 A, blue |
| Order No. | 2728710000 |
| Type | A2C 150/185 BL |
| GTIN (EAN) | 4050118801750 |
| Qty. | 5 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

| | | | |
|------------|----------|-----------------|-------------|
| Depth | 98 mm | Depth (inches) | 3.8583 inch |
| Height | 118 mm | Height (inches) | 4.6457 inch |
| Width | 31 mm | Width (inches) | 1.2205 inch |
| Net weight | 306.96 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -60 °C...85 °C |
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |

Environmental Product Compliance

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

Material data

| | | | |
|--------------------------------|--------|---------------------------|------|
| Basic material | Wemid | Colour | blue |
| Colour of operational elements | orange | UL 94 flammability rating | V-0 |

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 | Mounting rail | TS 35 |
| N-function | No | PE function | No |
| PEN function | No | | |

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

Conductors for clamping (rated connection)

| | | | |
|----------------------|---------------------|-----------------------------------------|--------------------|
| Gauge to IEC 60947-1 | B13 | Wire connection cross section AWG, max. | kcmil 300 |
| Connection direction | on side | Stripping length | 40 mm |
| Type of connection | PUSH IN | Number of connections | 2 |
| Clamping range, max. | 185 mm ² | Clamping range, min. | 50 mm ² |

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| | | | |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|--------------------|
| Blade size | 1.0 x 5.5 mm | Wire connection cross section AWG, min. | AWG 1/0 |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 150 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 50 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 150 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 50 mm ² |
| Wire connection cross section, finely stranded, max. | 185 mm ² | Wire connection cross section, finely stranded, min. | 50 mm ² |
| Connection cross-section, stranded, max. | 185 mm ² | Connection cross-section, stranded, min. | 50 mm ² |
| Wire connection cross-section, solid core, max. | 150 mm ² | Wire connection cross-section, solid core, min. | 50 mm ² |
| Connection cross-section, finely stranded, min. | 50 mm ² | | |

General

| | | | |
|-----------------------------------------|---------------|-----------------------------------------|---------|
| Wire connection cross section AWG, max. | kcmil 300 | Wire connection cross section AWG, min. | AWG 1/0 |
| Standards | IEC 60947-7-1 | Mounting rail | TS 35 |

Rating data

| | | | |
|----------------------------------------------|---------------------|---------------------------------|---------------|
| Rated cross-section | 150 mm ² | Rated voltage | 1000 V |
| Rated DC voltage | 1500 V | Nominal 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 | Surge voltage category | III |
| Pollution severity | 3 | | |

UL rating data

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

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.

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-01 |
| ECLASS 15.0 | 27-25-01-01 | | |

Drawings

