

A2C 1.5 WT**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

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, 1.5 mm ² , 500 V, 17.5 A, white |
| Order No. | 2508160000 |
| Type | A2C 1.5 WT |
| GTIN (EAN) | 4050118525632 |
| Qty. | 100 pc(s). |

A2C 1.5 WT

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 33.5 mm | Depth (inches) | 1.319 inch |
| Depth including DIN rail | 34 mm | Height | 55 mm |
| Height (inches) | 2.165 inch | Width | 3.5 mm |
| Width (inches) | 0.138 inch | Net weight | 4.04 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 | white |
| 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) | 15 A |
| Wire cross section max. (ATEX) | 1.5 mm ² | Max. voltage (IECEX) | 550 V |
| Current (IECEX) | 15 A | Wire cross section max. (IECEX) | 1.5 mm ² |
| 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 | 2 |
| Levels cross-connected internally | No | Rail | TS 35 |
| N-function | No | PE function | No |
| PEN function | No | | |

Additional technical data

| | | | |
|---------------------|-------|-------------------|---------|
| 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) | 13 A |
| Current size C (CSA) | 13 A | Current size D (CSA) | 5 A |
| Voltage size B (CSA) | 300 V | Voltage size C (CSA) | 300 V |
| Voltage size D (CSA) | 600 V | Wire cross section max. (CSA) | 14 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Conductors for clamping (rated connection)

| | |
|--|----------------------|
| Blade size | 0.4 x 2.0 mm |
| Clamping range, max. | 1.5 mm ² |
| Clamping range, min. | 0.14 mm ² |
| Connection cross-section, stranded, max. | 1.5 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² |
| Connection direction | top |
| Gauge to IEC 60947-1 | A1 |

Creation date March 13, 2023 9:05:26 AM CET

A2C 1.5 WT

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

Technical data

info@weidmueller.com

| | | | |
|---|--|---------|----------------------|
| Number of connections | 2 | | |
| Stripping length | 8 mm | | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Cross-section for conductor connection | min. | 0.14 mm ² |
| | | max. | 0.95 mm ² |
| | Tube length | min. | 6 mm |
| | | max. | 8 mm |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Cross-section for conductor connection | nominal | 0.25 mm ² |
| | Tube length | min. | 5 mm |
| | Cross-section for conductor connection | min. | 0.5 mm ² |
| | | max. | 1 mm ² |
| | Tube length | nominal | 6 mm |
| | Cross-section for conductor connection | nominal | 1.5 mm ² |
| nominal | | 10 mm | |
| Type of connection | PUSH IN | | |
| Wire connection cross section AWG, max. | AWG 14 | | |
| Wire connection cross section AWG, min. | AWG 26 | | |
| Wire connection cross section, finely stranded, max. | 1.5 mm ² | | |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | | |
| Wire connection cross-section, solid core, max. | 1.5 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

General

| | | | |
|---|---------------|---|--------|
| Installation advice | Rail | Rail | TS 35 |
| Standards | IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 14 |
| Wire connection cross section AWG, min. | AWG 26 | | |

Rating data

| | | | |
|---------------------------------|---------------------|--|---------|
| Rated cross-section | 1.5 mm ² | Rated voltage | 500 V |
| Rated current | 17.5 A | Current at maximum wires | 17.5 A |
| Standards | IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 1.83 mΩ |
| | | Power loss in accordance with IEC 60947-7-x | 0.56 W |
| Rated impulse withstand voltage | 6 kV | Surge voltage category | III |
| Pollution severity | 3 | | |

Creation date March 13, 2023 9:05:26 AM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

3

A2C 1.5 WT

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

Technical data

UL rating data

| | | | |
|--|--------|--|--------|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 14 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus) | 14 AWG |
| Conductor size Field wiring min. (cURus) | 26 AWG | Current size B (cURus) | 13 A |
| Current size C (cURus) | 13 A | Current size D (cURus) | 5 A |
| Voltage size B (cURus) | 300 V | Voltage size C (cURus) | 300 V |
| Voltage size D (cURus) | 600 V | | |

Classifications

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

Approvals

Approvals



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

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity DE PT0101 2017 1010 006 ISSUE01.pdf IECEx Certificate ATEX Certificate DNVGL certificate MARITREG certificate CCC Ex Certificate CB Testreport CB Certificate UKCA Ex Certificate UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| Tender specification | Klippon® Connect 2508 160000 DE Klippon® Connect 2508 160000 EN |
| User Documentation | NTI_A2C 1,5.pdf NTI_ALO 6 StorageConditionsTerminalBlocks NTI_ALO16 BPZL_AXC 1.5-16 |
| Catalogues | Catalogues in PDF-format |

Creation date March 13, 2023 9:05:26 AM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

Data sheet

A2C 1.5 WT

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

Drawings

