

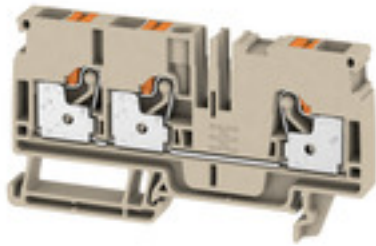
A3C 6**Weidmüller Interface GmbH & Co. KG**

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, 6 mm ² , 800 V, 41 A, dark beige |
| Order No. | 1991820000 |
| Type | A3C 6 |
| GTIN (EAN) | 4050118376630 |
| Qty. | 50 pc(s). |

Creation date September 17, 2022 8:55:14 PM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

A3C 6

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 45.5 mm | Depth (inches) | 1.791 inch |
| Depth including DIN rail | 46 mm | Height | 84.5 mm |
| Height (inches) | 3.327 inch | Width | 8.1 mm |
| Width (inches) | 0.319 inch | Net weight | 21.995 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) | 550 V | Current (ATEX) | 36 A |
| Wire cross section max. (ATEX) | 6 mm ² | Max. voltage (IECEX) | 550 V |
| Current (IECEX) | 36 A | Wire cross section max. (IECEX) | 6 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 | 3 |
| Number of potentials per tier | 1 | PE connection | 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) | 38 A |
| Current size C (CSA) | 38 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) | 8 AWG |
| Wire cross section min. (CSA) | 22 AWG | | |

Conductors for clamping (rated connection)

| | |
|--|----------------------|
| Blade size | 1.0 x 5.5 mm |
| Clamping range, max. | 6 mm ² |
| Clamping range, min. | 0.34 mm ² |
| Connection cross-section, stranded, max. | 6 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² |
| Connection direction | top |
| Gauge to IEC 60947-1 | A5 |

Creation date September 17, 2022 8:55:14 PM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

A3C 6

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

www.weidmueller.com

Technical data

| | | | | |
|---|---|--|--|--|
| Number of connections | 3 | | | |
| Stripping length | 12 mm | | | |
| Tube length for twin wire-end ferrule | Cross-section for conductor connection | nominal | 0.5 mm ² | |
| | | Tube length | max. 12 mm min. 10 mm | |
| | Cross-section for conductor connection | nominal | 0.75 mm ² | |
| | | Tube length | max. 18 mm min. 10 mm | |
| | Cross-section for conductor connection | min. | 1 mm ² | |
| | | max. | 1.5 mm ² | |
| | Tube length | max. | 18 mm | |
| | | min. | 12 mm | |
| | Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Cross-section for conductor connection | min. | 0.5 mm ² |
| | | | max. | 1 mm ² |
| | | Tube length | max. | 12 mm |
| | | | min. | 10 mm |
| Cross-section for conductor connection | | nominal | 1.5 mm ² | |
| | | Tube length | max. 18 mm min. 10 mm | |
| Cross-section for conductor connection | | nominal | 2.5 mm ² | |
| | | Tube length | max. 18 mm min. 12 mm | |
| Cross-section for conductor connection | | min. | 4 mm ² | |
| | | max. | 6 mm ² | |
| 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 mm ² |
| | | | max. | 1 mm ² |
| | | Tube length | nominal | 10 mm |
| | | | Cross-section for conductor connection | min. 1.5 mm ² max. 2.5 mm ² |
| | | Tube length | max. | 18 mm ² |
| | | | min. | 10 mm |
| | Cross-section for conductor connection | nominal | 4 mm ² | |
| | | Tube length | max. 18 mm min. 12 mm | |
| | Cross-section for conductor connection | nominal | 6 mm ² | |
| | | Tube length | max. 18 mm min. 10 mm | |
| | Twin wire-end ferrules, max. | 1.5 mm ² | | |
| | Twin wire-end ferrules, min. | 0.5 mm ² | | |
| | 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. | 6 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. | 6 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. | 6 mm ² | | | |

Creation date September 17, 2022 8:55:14 PM CEST

A3C 6

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

www.weidmueller.com

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

| | | | |
|---|---------------|---|-------|
| Installation advice | Rail | Rail | TS 35 |
| Standards | IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 8 |
| Wire connection cross section AWG, min. | AWG 22 | | |

Rating data

| | | | |
|---------------------------------|-------------------|--|---------|
| Rated cross-section | 6 mm ² | Rated voltage | 800 V |
| Rated current | 41 A | Current at maximum wires | 41 A |
| Standards | IEC 60947-7-1 | 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 | Current size B (cURus) | 38 A |
| Current size C (cURus) | 38 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 | 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



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

Creation date September 17, 2022 8:55:14 PM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

A3C 6

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

www.weidmueller.com

Technical data

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity UKCA Ex Attestation of Conformity UKCA Ex Attestation of Conformity IECEx Certificate ATEX Certificate CB Test Certificate CB Certificate EAC certificate DNVGL certificate BV certificate MARITREG certificate CCC Ex Certificate UKCA Ex Certificate CE Declaration of Conformity CE Declaration of Conformity all terminals UKCA Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Tender specification | Klippon® Connect 1991820000 EN Klippon® Connect 1991820000 DE |
| User Documentation | NTI_A3C 6.pdf StorageConditionsTerminalBlocks NTI ALO 16 BPZL AXC 1.5-16 |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

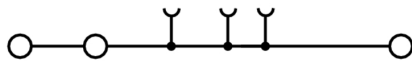
Data sheet

A3C 6

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

www.weidmueller.com

Drawings



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Weidmuller:](#)

[1991820000](#)