

AFS 4 2C BK**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

In some applications it is useful to protect the feed through connection with a separate fuse. Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.

General ordering data

| | |
|------------|---|
| Version | Fuse terminal, PUSH IN, 4 mm ² , 400 V, 6.3 A, black |
| Order No. | 2429860000 |
| Type | AFS 4 2C BK |
| GTIN (EAN) | 4050118439717 |
| Qty. | 50 pc(s). |

Creation date September 22, 2023 8:54:19 AM CEST

Catalogue status 15.09.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 68 mm | Depth (inches) | 2.677 inch |
| Depth including DIN rail | 69 mm | Height | 74 mm |
| Height (inches) | 2.913 inch | Width | 6.1 mm |
| Width (inches) | 0.24 inch | Net weight | 17.5 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 | black |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|-------------------|---------------------------------|-------------------|
| Certificate No. (ATEX) | TUEV17ATEX8064U | Certificate No. (IECEX) | IECEXTUR17.0030U |
| Max. voltage (ATEX) | 250 V | Current (ATEX) | 6.3 A |
| Wire cross section max. (ATEX) | 4 mm ² | Max. voltage (IECEX) | 250 V |
| Current (IECEX) | 6.3 A | Wire cross section max. (IECEX) | 4 mm ² |
| Marking EN 60079-7 | Ex ec II C Gc | Ex 2014/34/EU label | II 3 G D |

System specifications

| | | | |
|-------------------------------|-------|-------------------------------------|----|
| End cover plate required | Yes | Number of potentials | 1 |
| Number of levels | 1 | Number of clamping points per level | 2 |
| 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) | 10 A |
| Current size C (CSA) | 10 A | Current size D (CSA) | 10 A |
| Voltage size B (CSA) | 300 V | Voltage size C (CSA) | 150 V |
| Voltage size D (CSA) | 300 V | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Conductors for clamping (rated connection)

| | |
|--|----------------------|
| Blade size | 0.6 x 3.5 mm |
| Clamping range, max. | 6 mm ² |
| Clamping range, min. | 0.14 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 | A4 |

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| | | | |
|---|---|-------------|---------------------|
| Number of connections | 2 | | |
| Stripping length | 12 mm | | |
| Tube length for twin wire-end ferrule | Cross-section for conductor connection | min. | 0.5 mm ² |
| | | max. | 1.5 mm ² |
| | 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 mm ² |
| | | max. | 1 mm ² |
| | Tube length | min. | 6 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 1.5 mm ² |
| | | max. | 2.5 mm ² |
| | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 4 mm ² |
| | | min. | 10 mm |
| | | max. | 12 mm |
| | Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Tube length | min. |
| max. | | | 10 mm |
| Cross-section for conductor connection | | min. | 0.5 mm ² |
| | | max. | 1 mm ² |
| Tube length | | min. | 7 mm |
| | | max. | 12 mm |
| Cross-section for conductor connection | | min. | 1.5 mm ² |
| | | max. | 2.5 mm ² |
| Tube length | | min. | 9 mm |
| | | max. | 15 mm |
| Cross-section for conductor connection | | min. | 4 mm ² |
| | | max. | 6 mm ² |
| 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 12 | | |
| Wire connection cross section AWG, min. | AWG 26 | | |
| 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. | 4 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. | 4 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

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Fuse terminals

| | | | |
|--|-------------------------|--|-------------------------|
| Cartridge fuse | G-Si. 5 x 20 | Leakage current, max. | 0.5 mA |
| Operating voltage, max. | 250 V | Power loss for overload and short-circuit protection for a composite arrangement | 1.6 W at 6.3 A @ 34°C |
| Power loss for overload and short-circuit protection for an individual arrangement | 1,6 W bei 6,3 A @ 31 °C | Power loss for short-circuit protection only for a composite arrangement | 2,5 W bei 6,3 A @ 32 °C |
| Power loss for short-circuit protection only for an individual arrangement | 4,0 W bei 6,3 A @ 41 °C | | |

General

| | | | |
|---|------------------|---|--------|
| Installation advice | Rail | Rail | TS 35 |
| Standards | DIN EN 60947-7-3 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26 | | |

Rating data

| | | | |
|-------------------------------------|-------------------|--|--------|
| Rated cross-section | 4 mm ² | Rated voltage | 400 V |
| Rated voltage to adjoining terminal | 500 V | Rated DC voltage | 400 V |
| Rated current | 6.3 A | Current at maximum wires | 6.3 A |
| Standards | DIN EN 60947-7-3 | Volume resistance according to IEC 60947-7-x | 1 mΩ |
| Rated impulse withstand voltage | 4 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) | 10 A |
| Current size C (cURus) | 10 A | Current size D (cURus) | 10 A |
| Voltage size B (cURus) | 300 V | Voltage size C (cURus) | 150 V |
| Voltage size D (cURus) | 300 V | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000899 | ETIM 7.0 | EC000899 |
| ETIM 8.0 | EC000899 | ETIM 9.0 | EC000899 |
| ECLASS 9.0 | 27-14-11-16 | ECLASS 9.1 | 27-14-11-16 |
| ECLASS 10.0 | 27-14-11-16 | ECLASS 11.0 | 27-14-11-16 |
| ECLASS 12.0 | 27-14-11-16 | ECLASS 13.0 | 27250113 |

Important note

Product information The voltage depends on the selected fuse element or the selected indicator light

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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 IECEX_TUR_17.0030U.pdf ATEX Certificate DNVGL certificate CCC Ex Certificate CB Testreport CB Certificate CE Declaration of Conformity UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| Tender specification | Klippon® Connect 2429860000 DE Klippon® Connect 2429860000 EN |
| User Documentation | NTI_AFS 4 2C BK.pdf StorageConditionsTerminalBlocks BPZL AFS |
| Catalogues | Catalogues in PDF-format |

Data sheet

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Drawings

