

AAP22 4 LI-FS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

The unique modular concept can be tailored to every type of machine. The potential distribution terminal blocks AAP are successful thanks to their uniform design with two possible constructions – alternating or grouped. With the alternating design of the control voltage distribution, both potentials are located on only one terminal block.

General ordering data

| | |
|------------|----------------------------------------------------------------------------------------|
| Version | Distribution terminal with fuse, PUSH IN, 4 mm ² , 500 V, 6.3 A, dark beige |
| Order No. | 2429010000 |
| Type | AAP22 4 LI-FS |
| GTIN (EAN) | 4050118438406 |
| Qty. | 50 pc(s). |

AAP22 4 LI-FS

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 82 mm | Depth (inches) | 3.228 inch |
| Depth including DIN rail | 82.5 mm | Height | 129 mm |
| Height (inches) | 5.079 inch | Width | 6.1 mm |
| Width (inches) | 0.24 inch | Net weight | 25.16 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 | red, blue | 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 2 G D |

System specifications

| | | | |
|-------------------------------------|-------------|-------------------------------|-----|
| Version | Without LED | End cover plate required | Yes |
| Number of potentials | 2 | Number of levels | 1 |
| Number of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | No | PE connection | 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 | | |

Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

Conductors for clamping (rated connection)

| | |
|------------------------------------------|----------------------|
| Blade size | 0.6 x 3.5 mm |
| Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.14 mm ² |
| Connection cross-section, stranded, max. | 4 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² |
| Connection direction | top |
| Gauge to IEC 60947-1 | A4 |
| Number of connections | 2 |
| Stripping length | 12 mm |

Creation date May 1, 2024 10:13:07 AM CEST

AAP22 4 LI-FS

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

| | | | |
|-----------------------------------------------------------------------------------------|----------------------------------------|---------|---------------------|
| Tube length for twin wire-end ferrule | Tube length | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | min. | 0.5 mm ² |
| | | max. | 1.5 mm ² |
| 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 |
| | Tube length | min. | 10 mm |
| | | max. | 12 mm |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Tube length | min. | 6 mm |
| | | 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 | nominal | 4 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. | 4 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. | 4 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 | | |

AAP22 4 LI-FS

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

General

| | | | |
|-----------------------------------------|--------------------------------------------------------------------|-----------------------------------------|--------|
| Installation advice | Rail | Rail | TS 35 |
| Standards | In accordance with IEC 60947-7-1, In accordance with IEC 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 | 500 V |
| Rated voltage to adjoining terminal | 500 V | Rated DC voltage | 500 V |
| Rated current | 6.3 A | Current at maximum wires | 6.3 A |
| Standards | In accordance with IEC 60947-7-1, In accordance with IEC 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 D (cURus) | 10 A | Voltage size B (cURus) | 300 V |
| Voltage size D (cURus) | 300 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 |

Important note

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

AAP22 4 LI-FS

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Approvals

Approvals



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

Downloads

| | |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | IECEX_TUR_17.0030U.pdf ATEX Certificate Attestation of Conformity DNVGL certificate CCC Ex Certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| Tender specification | Klippon® Connect 2429010000 DE Klippon® Connect 2429010000 EN |
| User Documentation | NTI AAP22 4 LO-LO NTI AAP22 LI-FS StorageConditionsTerminalBlocks AAP Terminal Blocks for control voltage distribution User Manual AFS |
| Catalogues | Catalogues in PDF-format |

AAP22 4 LI-FS

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

www.weidmueller.com

Drawings

