

PDU 2.5/4/4AN SW**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, 4 mm ² , 800 V, 32 A, black |
| Order No. | 1529440000 |
| Type | PDU 2.5/4/4AN SW |
| GTIN (EAN) | 4050118334173 |
| Qty. | 100 pc(s). |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2023-03-31 |
| Alternative product | 1521820000 |

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 38 mm | Depth (inches) | 1.496 inch |
| Depth including DIN rail | 39 mm | Height | 78.5 mm |
| Height (inches) | 3.091 inch | Width | 5.1 mm |
| Width (inches) | 0.201 inch | Net weight | 10.82 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C | | |

Material data

| | | | |
|---------------------------|-------|--------|-------|
| Material | Wemid | Colour | black |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|-----|
| Version | PUSH IN connection, 4 connections, for plug-in cross-connector, One end without connector | End cover plate required | Yes |
| Number of potentials | 1 | Number of levels | 1 |
| Number of clamping points per level | 4 | 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 | Open sides | right |
| Type of mounting | Snap-on | | |

Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|---------------------|
| Blade size | 3.0 x 0.5 mm | Clamping range, max. | 6 mm ² |
| Clamping range, min. | 0.13 mm ² | Connection cross-section, finely stranded, max. | 4 mm ² |
| Connection cross-section, finely stranded, min. | 0.21 mm ² | Connection direction | top |
| Gauge to IEC 60947-1 | A3 | Number of connections | 4 |
| Stripping length | 12 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 10 | 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. | 6 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

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Technical data

General

| | | | |
|---|--------|---|---------------|
| Rail | TS 35 | Standards | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 10 | Wire connection cross section AWG, min. | AWG 26 |

Rating data

| | | | |
|--|-------------------|---------------------------------|---------------|
| Rated cross-section | 4 mm ² | Rated voltage | 800 V |
| Rated current | 32 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1 mΩ | Rated impulse withstand voltage | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 1.02 W | Pollution severity | 3 |

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 C (cURus) | 30 A |
| Voltage size C (cURus) | 600 V | Wire cross section max. (cURus) | 10 AWG |
| Wire cross section min. (cURus) | 26 AWG | | |

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 |

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEX Certificate ATEX Certificate 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 |
| User Documentation | Beipackzettel_PDU.pdf StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |

Data sheet

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Drawings

