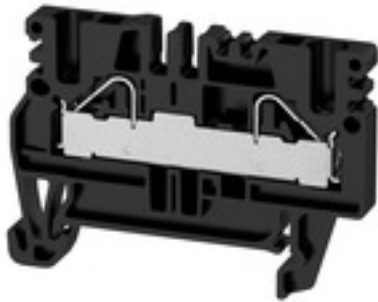


**PDU 2.5/4 SW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****Spring connection with PUSH IN Technology**

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

**General ordering data**

|                     |                                                                        |
|---------------------|------------------------------------------------------------------------|
| Version             | Feed-through terminal, PUSH IN, 4 mm <sup>2</sup> , 800 V, 32 A, black |
| Order No.           | <a href="#">1950590000</a>                                             |
| Type                | PDU 2.5/4 SW                                                           |
| GTIN (EAN)          | 4032248628810                                                          |
| Qty.                | 100 pc(s).                                                             |
| Delivery status     | <b>This article will no longer be available in the future.</b>         |
| Available until     | 2023-03-31                                                             |
| Alternative product | <a href="#">1521980000</a>                                             |

Creation date March 26, 2021 2:16:22 PM CET

## PDU 2.5/4 SW

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 38 mm      | Depth (inches) | 1.496 inch |
| Depth including DIN rail | 39 mm      | Height         | 52 mm      |
| Height (inches)          | 2.047 inch | Net weight     | 7.33 g     |
| Width                    | 5.1 mm     | Width (inches) | 0.201 inch |

## Temperatures

|                                  |                |                                  |                                                                                                   |
|----------------------------------|----------------|----------------------------------|---------------------------------------------------------------------------------------------------|
| Storage temperature              |                | Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|                                  | -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   |        |       |

## Rating data IECEx/ATEX

|                                 |                        |                                |                                                                                                   |
|---------------------------------|------------------------|--------------------------------|---------------------------------------------------------------------------------------------------|
| Certificate No. (ATEX)          | KEMA06ATEX0177U        | ATEX certificate               | IECEXKEM06.0032U                                                                                  |
| ATEX certificate                | KEMA06ATEX0177U_e.pdf  | Certificate No. (IECEX)        | IECEXKEM06.0032U                                                                                  |
| IEC Ex certificate              | IECEXKEM06.0032U_e.pdf | Max. voltage (ATEX)            | 550 V                                                                                             |
| Current (ATEX)                  | 29 A                   | Wire cross section max. (ATEX) | 4 mm <sup>2</sup>                                                                                 |
| Max. voltage (IECEX)            | 550 V                  | Current (IECEX)                | 29 A                                                                                              |
| Wire cross section max. (IECEX) |                        | Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|                                 | 4 mm <sup>2</sup>      |                                |                                                                                                   |
| Marking EN 60079-7              | Ex eb II C Gb          | Ex 2014/34/EU label            | II 2 G D                                                                                          |

## System specifications

|                                     |                                                                            |                               |     |
|-------------------------------------|----------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | PUSH IN connection, 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 | 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     | Open sides | right |
| Type of mounting         | Snap-on |            |       |

## CSA rating data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1751332 | Current size C (CSA)          | 30 A   |
| Voltage size C (CSA)          | 600 V          | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

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## Technical data

## Conductors for clamping (rated connection)

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 3.0 x 0.5 mm         | Clamping range, max.                                                                    | 6 mm <sup>2</sup>   |
| Clamping range, min.                                                                    | 0.13 mm <sup>2</sup> | Connection cross-section, finely stranded, max.                                         | 4 mm <sup>2</sup>   |
| Connection cross-section, finely stranded, min.                                         | 0.21 mm <sup>2</sup> | Connection direction                                                                    | top                 |
| Gauge to IEC 60947-1                                                                    | A3                   | Number of connections                                                                   | 2                   |
| Stripping length                                                                        | 12 mm                | Twin wire-end ferrules, max.                                                            | 1.5 mm <sup>2</sup> |
| Twin wire-end ferrules, min.                                                            | 0.5 mm <sup>2</sup>  | 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 <sup>2</sup>    | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm <sup>2</sup>   |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm <sup>2</sup>   |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>  | Wire connection cross-section, solid core, max.                                         | 6 mm <sup>2</sup>   |
| Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup>  |                                                                                         |                     |

## 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

|                                             |               |                                              |                   |
|---------------------------------------------|---------------|----------------------------------------------|-------------------|
| Power loss in accordance with IEC 60947-7-x | 1.02 W        | Rated cross-section                          | 4 mm <sup>2</sup> |
| 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          | 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   |
| UL_current_Print                           | 30 A   | UL_voltage_Print                           | 600 V  |
| UL_wire_max_Print                          | 10 AWG | UL_wire_min_Print                          | 26 AWG |
| 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    |
| 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 |

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## Technical data

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

## Downloads

|                                             |                                                                                                                                                                                                                                                                                      |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">IECEx Certificate</a><br><a href="#">ATEX Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">DNVGL certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                                                                                                 |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                                                                                                                             |
| User Documentation                          | <a href="#">Beipackzettel_PDU.pdf</a><br><a href="#">Cross Connection Guide</a><br><a href="#">StorageConditionsTerminalBlocks</a>                                                                                                                                                   |

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## Drawings

