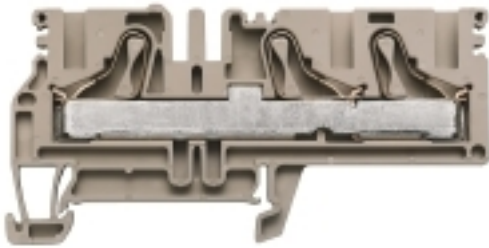


**PDU 6/10/3AN****Weidmüller Interface GmbH & Co. KG**

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, 10 mm <sup>2</sup> , 800 V, 57 A, dark beige |
| Order No.           | <a href="#">1896150000</a>                                                   |
| Type                | PDU 6/10/3AN                                                                 |
| GTIN (EAN)          | 4032248511198                                                                |
| Qty.                | 50 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="#">1991820000</a>                                                   |

Creation date March 26, 2021 5:59:36 AM CET

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 40.5 mm    | Depth (inches) | 1.594 inch |
| Depth including DIN rail | 41.5 mm    | Height         | 82.5 mm    |
| Height (inches)          | 3.248 inch | Net weight     | 19.416 g   |
| Width                    | 8.1 mm     | Width (inches) | 0.319 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 | dark beige |
| UL 94 flammability rating | V-0   |        |            |

## Rating data IECEx/ATEX

|                                 |                        |                                |                                                                                                   |
|---------------------------------|------------------------|--------------------------------|---------------------------------------------------------------------------------------------------|
| Certificate No. (ATEX)          | KEMA06ATEX0177U        | ATEX certificate               | KEMA06ATEX0177U_e.pdf                                                                             |
| ATEX certificate                | IECEXKEM06.0032U       | Certificate No. (IECEX)        | IECEXKEM06.0032U                                                                                  |
| IEC Ex certificate              | IECEXKEM06.0032U_e.pdf | Max. voltage (ATEX)            | 550 V                                                                                             |
| Current (ATEX)                  | 36.5 A                 | Wire cross section max. (ATEX) | 6 mm <sup>2</sup>                                                                                 |
| Max. voltage (IECEX)            | 550 V                  | Current (IECEX)                | 36.5 A                                                                                            |
| Wire cross section max. (IECEX) |                        | Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
|                                 | 6 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 | 3                                                                          | 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 B (CSA)          | 46 A   |
| Current size C (CSA)          | 46 A           | Voltage size B (CSA)          | 600 V  |
| Voltage size C (CSA)          | 600 V          | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 14 AWG         |                               |        |

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## Technical data

## Conductors for clamping (rated connection)

|                                                                                         |                     |                                                                                         |                    |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|--------------------|
| Blade size                                                                              | 0.6 x 3.5 mm        | Clamping range, max.                                                                    | 10 mm <sup>2</sup> |
| Clamping range, min.                                                                    | 1.5 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 10 mm <sup>2</sup> |
| Connection cross-section, stranded, min.                                                | 10 mm <sup>2</sup>  | Connection direction                                                                    | top                |
| Gauge to IEC 60947-1                                                                    | A4                  | Number of connections                                                                   | 3                  |
| Stripping length                                                                        | 14 mm               | Type of connection                                                                      | PUSH IN            |
| Wire connection cross section AWG, max.                                                 | AWG 8               | Wire connection cross section AWG, min.                                                 | AWG 16             |
| Wire connection cross section, finely stranded, max.                                    | 10 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 10 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 6 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.5 mm <sup>2</sup> | Wire connection cross-section, solid core, max.                                         | 10 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.                                         | 1.5 mm <sup>2</sup> |                                                                                         |                    |

## General

|                                         |       |                                         |               |
|-----------------------------------------|-------|-----------------------------------------|---------------|
| Rail                                    | TS 35 | Standards                               | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 8 | Wire connection cross section AWG, min. | AWG 16        |

## Rating data

|                                              |         |                                 |                    |
|----------------------------------------------|---------|---------------------------------|--------------------|
| Power loss in accordance with IEC 60947-7-x  | 1.82 W  | Rated cross-section             | 10 mm <sup>2</sup> |
| Rated voltage                                | 800 V   | Rated current                   | 57 A               |
| Current at maximum wires                     | 57 A    | Standards                       | IEC 60947-7-1      |
| Volume resistance according to IEC 60947-7-x | 0.56 mΩ | Rated impulse withstand voltage | 8 kV               |
| Pollution severity                           | 3       |                                 |                    |

## UL rating data

|                                            |        |                                            |       |
|--------------------------------------------|--------|--------------------------------------------|-------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 8 AWG |
| Conductor size Factory wiring min. (cURus) | 14 AWG | Conductor size Field wiring max. (cURus)   | 8 AWG |
| Conductor size Field wiring min. (cURus)   | 14 AWG | Current size B (cURus)                     | 44 A  |
| Current size C (cURus)                     | 44 A   | UL_current_Print                           | 44 A  |
| UL_voltage_Print                           | 600 V  | UL_wire_max_Print                          | 8 AWG |
| UL_wire_min_Print                          | 14 AWG | Voltage size B (cURus)                     | 600 V |
| Voltage size C (cURus)                     | 600 V  |                                            |       |

## 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

