

**P-series
PDK 2.5/4 PE**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 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

| | |
|---------------------|--|
| Delivery status | This article will no longer be available in the future. |
| Available until | 2021-12-31 |
| Type | PDK 2.5/4 PE |
| Order No. | 1918710000 |
| Version | PE terminal, Double-tier terminal, PUSH IN, 4 mm ² , 480 A (4 mm ²), Green/yellow |
| GTIN (EAN) | 4032248554577 |
| Qty. | 50 pc(s). |
| Alternative product | 1547680000 |

Creation date July 8, 2020 10:53:40 AM CEST

Catalogue status 08.07.2020 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

| | | | |
|--------------------------|---------|-----------------|------------|
| Width | 5.1 mm | Width (inches) | 0.201 inch |
| Height | 82.5 mm | Height (inches) | 3.248 inch |
| Depth | 58 mm | Depth (inches) | 2.283 inch |
| Depth including DIN rail | 58.5 mm | Net weight | 21.8 g |

Temperatures

| | | | |
|----------------------------------|---|----------------------------------|---------------|
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Storage temperature, max. | 40 °C |
| Storage temperature, min. | 10 °C | Storage temperature | 10 °C...40 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Material data

| | | | |
|---------------------------|-------|--------|--------------|
| Material | Wemid | Colour | Green/yellow |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---|---------------------------------|-------------------|
| Certificate No. (ATEX) | KEMA06ATEX0177U | Certificate No. (IECEX) | IECEXKEM06.0032U |
| Wire cross section max. (ATEX) | 4 mm ² | Wire cross section max. (IECEX) | 4 mm ² |
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7 | Ex eb II C Gb |
| Ex 2014/34/EU label | II 2 G D | | |

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|-----|
| Version | PUSH IN connection, With PE connection, Vertically cross-connected, One end without connector | End cover plate required | Yes |
| Number of potentials | 1 | Number of levels | 2 |
| Number of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | Yes | PE connection | Yes |
| Rail | TS 35 | N-function | No |
| PE function | Yes | PEN function | No |

Additional technical data

| | | | |
|--------------------------|---------|------------|-------|
| Explosion-tested version | Yes | Open sides | right |
| Type of mounting | Snap-on | | |

CSA rating data

| | | | |
|-------------------------------|-----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-175 1332 | 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)**

| | | | |
|---|---------------------|---|----------------------|
| Clamping range, max. | 6 mm ² | Clamping range, min. | 0.13 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 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, finely stranded, 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 | | |

PE rating data

| | | | |
|--------------------------|----------------------------|--------------|----|
| Rated short-time current | 480 A (4 mm ²) | PEN function | No |
|--------------------------|----------------------------|--------------|----|

Rating data

| | | | |
|---|-------------------|--|-------|
| Rated cross-section | 4 mm ² | Rated voltage to adjoining terminal | 800 V |
| Standards | IEC 60947-7-2 | Volume resistance according to IEC 60947-7-x | 1 mΩ |
| Power loss in accordance with IEC 60947-7-x | 1.02 W | Rated impulse withstand voltage to adjacent terminal | 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 | | |

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 | UNSPSC | 30-21-18-11 |

Data sheet

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEX Certificate ATEX Certificate EAC certificate DNVGL certificate DE_PT1702_20160415_004_ISSUE01.pdf Declaration of Conformity Terminals |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Engineering Data | STEP |
| User Documentation | Cross Connection Guide StorageConditionsTerminalBlocks |

Safety note

Safety notice [Safety Information](#)

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Drawings

