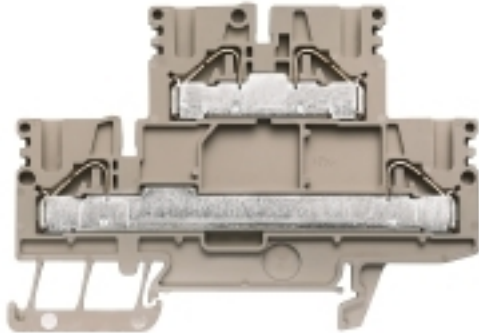


**P-series
PDK 2.5/4**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

**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

| | |
|------------|---|
| Type | PDK 2.5/4 |
| Order No. | 1918770000 |
| Version | Feed-through terminal, Double-tier terminal, PUSH IN, 4 mm ² , 800 V, 24 A, Dark Beige |
| GTIN (EAN) | 4032248554638 |
| Qty. | 50 pc(s). |

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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 | 16.08 g |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| 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 | Certificate No. (IECEX) | IECEXKEM06.0032U |
| Max. voltage (ATEX) | 550 V | Current (ATEX) | 28 A |
| Wire cross section max. (ATEX) | 4 mm ² | Max. voltage (IECEX) | 550 V |
| Current (IECEX) | 28 A | 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 e II |
| 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 | 2 | Number of levels | 2 |
| No. of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | No | PE connection | No |
| Mounting rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

| | | | |
|--------------------------|---------|------------|-------|
| Explosion-tested version | No | Open sides | right |
| Type of mounting | Snap-on | | |

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1751332 | Current size B (CSA) | 30 A |
| Current size C (CSA) | 30 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) | 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 ² |
| Clamping range, min. | 0.13 mm ² | 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 | | |

Rating data

| | | | |
|---------------------------------|-------------------|--|-------|
| Rated cross-section | 4 mm ² | Rated voltage | 800 V |
| Rated current | 24 A | Current at maximum wires | 32 A |
| Standards | IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 2 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 B (cURus) | 30 A |
| Current size C (cURus) | 30 A | Current size D (cURus) | 5 A |
| Voltage size B (cURus) | 600 V | Voltage size C (cURus) | 600 V |
| Voltage size D (cURus) | 600 V | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000898 | ETIM 4.0 | EC000898 |
| ETIM 5.0 | EC000898 | ETIM 6.0 | EC000897 |
| UNSPSC | 30-21-18-11 | eClass 5.1 | 27-14-11-31 |
| eClass 6.2 | 27-14-11-90 | eClass 7.1 | 27-14-11-90 |
| eClass 8.1 | 27-14-11-20 | eClass 9.0 | 27-14-11-20 |
| eClass 9.1 | 27-14-11-20 | | |

Product information

| | |
|---------------------------------|---|
| Descriptive text ordering data | For 4 mm ² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000). |
| Descriptive text technical data | For 2.5 mm ² 24 A |
| Descriptive text accessories | Detailed information for working with twin ferrules can be found in the P Series Accessories section. |

Data sheet

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | CFAT_PDK 2.5_4.pdf DE_PT1701_20160415_001_ISSUE01.pdf |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| User Documentation | Cross Connection Guide |

Safety note

| | |
|---------------|------------------------------------|
| Safety notice | Safety Information |
|---------------|------------------------------------|

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Drawings

