

**P-series  
PDU 6/10/3AN BL**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
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Fon: +49 5231 14-0  
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Turn five into three – that's the winning formula of the new P series with the PUSH IN connection system in which the pitches for 2.5, 4, 6 and 10 mm<sup>2</sup> are each combined in one terminal block. That means you now need only three rows of terminals for wiring five pitches up to 16 mm<sup>2</sup>.

This innovative concept unites the efficiency of the wide pitch with the compactness of the narrow one. The result is a maximum rated current and minimum size at the same time. That eases the workload in purchasing, logistics and design.

**General ordering data**

Type	PDU 6/10/3AN BL
Order No.	<a href="#">1896280000</a>
Version	P-series, Feed-through terminal, Rated cross-section: 10 mm <sup>2</sup> , PUSH IN
GTIN (EAN)	4032248511396
Qty.	50 pc(s).

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**Technical data****Dimensions and weights**

Width	8.1 mm	Height	82.5 mm
Height of lowest version	41.5 mm	Depth	40.5 mm
Net weight	20.72 g		

**Temperatures**

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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**Rated 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)	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)	6 mm <sup>2</sup>	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Marking ATEX Directive 94/9/EC	II 2 G D		Ex e II

**Additional technical data**

Explosion-tested version	Yes	Open sides	right
Type of mounting	Snap-on	Version	PUSH IN connection, for plug-in cross-connector, One end without connector

**CSA ratings data**

Certificate No. (CSA)	200039-1751332	Voltage size B (CSA)	600 V
Voltage size C (CSA)	600 V	Current size B (CSA)	46 A
Current size C (CSA)	46 A	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	14 AWG		

**Clampable wires (rated connection)**

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

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# Data sheet

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# Technical data

### Rated data

Rated cross-section	10 mm <sup>2</sup>	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	57 A
Current at maximum wires	57 A	Standards	IEC 60947-7-1
Pollution severity	3		

### UL ratings 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	Voltage size B (cURus)	600 V
Voltage size C (cURus)	600 V		

### Material data

Material	Wemid	Colour	Blue
UL 94 flammability rating	V-0		

### System specifications

Product family	P-series	Type of connection	PUSH IN
Connection direction	top	Number of levels	1
Number of connections	3	No. of clamping points per level	3
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	Yes		

### Classifications

ETIM 3.0	EC000897	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-20	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20		

### Product information

Descriptive text ordering data For 10 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203620000).

### Approvals

Approvals



ROHS Conform

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**Drawings**

