

P-series PDU 2.5/4 SW

Weidmüller Interface GmbH & Co. KG
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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	PDU 2.5/4 SW
Order No.	1950590000
Version	Feed-through terminal, PUSH IN, 4 mm², 800 V, 32 A, Black
GTIN (EAN)	4032248628810
Qty.	100 pc(s).

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Technical data
Dimensions and weights

Width	5.1 mm	Width (inches)	0.201 inch
Height	52 mm	Height (inches)	2.047 inch
Depth	38 mm	Depth (inches)	1.496 inch
Depth including DIN rail	39 mm	Net weight	7.35 g

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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Material data

Material	Wemid	Colour	Black
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)	29 A
Wire cross section max. (ATEX)	4 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	29 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	1	Number of levels	1
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	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, rated connection, max.	6 mm ²
Clamping range, rated connection, min.	0.13 mm ²	Connection direction	top
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²	Finely stranded, max. (rated connection)	4 mm ²
Finely stranded, min. (rated connection)	0.21 mm ²	Gauge to IEC 60947-1	A3
Number of connections	2	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 with wire-end ferrules DIN 46228/1, rated connection, max.	4 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross section, solid core max. rated connection	6 mm ²	Wire connection cross section, solid core, min. rated connection	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	4 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²

Rating data

Rated cross-section	4 mm ²	Rated voltage	800 V
Rated current	32 A	Standards	IEC 60947-7-1
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
Voltage size C (cURus)	600 V	Wire cross section max. (cURus)	10 AWG
Wire cross section min. (cURus)	26 AWG		

Classifications

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-01	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20	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 use with 4 mm ² conductors, with wire-end ferrules and cross-section-optimized plastic collars (order no. 9203630000)
Descriptive text technical data	4 mm ² conductors should be processed after crimp, in compliance with Euro-Norm EN 60947-1, for example with the PZ6/5 (order no. 9011460000).
Descriptive text accessories	Detailed information for working with twin ferrules can be found in the P Series Accessories section.

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	CFAT_PDU 2.5_4.pdf DE_PT1701_20160415_044_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Beipackzettel_PDU.pdf

Safety note

Safety notice	Safety Information
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Data sheet**P-series
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Drawings