

## PDU 2.5/4 SW

**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

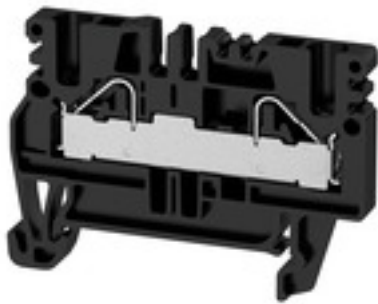
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### Product image



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

### General ordering data

Version	Feed-through terminal, PUSH IN, 4 mm <sup>2</sup> , 800 V, 32 A, black
Order No.	<a href="#">1950590000</a>
Type	PDU 2.5/4 SW
GTIN (EAN)	4032248628810
Qty.	100 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="#">1521980000</a>

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## Technical data

## Dimensions and weights

Depth	38 mm	Depth (inches)	1.496 inch
Depth including DIN rail	39 mm	Height	52 mm
Height (inches)	2.047 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	7.33 g

## 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	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 <sup>2</sup>	Max. voltage (IECEX)	550 V
Current (IECEX)	29 A	Wire cross section max. (IECEX)	4 mm <sup>2</sup>
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

## 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	2	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)	200039-175 1332	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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Connection cross-section, finely stranded, max. 4 mm<sup>2</sup>

Connection direction top

Number of connections 2

Twin wire-end ferrules, max. 1.5 mm<sup>2</sup>

Type of connection PUSH IN

Wire connection cross section AWG, min. AWG 26

Wire connection cross section, finely stranded, min. 0.5 mm<sup>2</sup>Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. 0.5 mm<sup>2</sup>Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. 0.5 mm<sup>2</sup>Wire connection cross-section, solid core, min. 0.5 mm<sup>2</sup>

## Conductors for clamping (rated connection)

Blade size 3.0 x 0.5 mm

Clamping range, min. 0.13 mm<sup>2</sup>Connection cross-section, finely stranded, min. 0.21 mm<sup>2</sup>

Gauge to IEC 60947-1 A3

Stripping length 12 mm

Twin wire-end ferrules, min. 0.5 mm<sup>2</sup>

Wire connection cross section AWG, max. AWG 10

Wire connection cross section, finely stranded, max. 4 mm<sup>2</sup>Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. 4 mm<sup>2</sup>Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. 4 mm<sup>2</sup>Wire connection cross-section, solid core, max. 6 mm<sup>2</sup>

## General

Rail TS 35

Wire connection cross section AWG, max. AWG 10

Standards IEC 60947-7-1

Wire connection cross section AWG, min. AWG 26

## Rating data

Rated cross-section 4 mm<sup>2</sup>

Rated current 32 A

Volume resistance according to IEC 60947-7-x 1 mΩ

Power loss in accordance with IEC 60947-7-x 1.02 W

Rated voltage 800 V

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 min. (cURus) 26 AWG

Conductor size Field wiring min. (cURus) 26 AWG

Voltage size C (cURus) 600 V

Wire cross section min. (cURus) 26 AWG

Conductor size Factory wiring max. (cURus) 10 AWG

Conductor size Field wiring max. (cURus) 10 AWG

Current size C (cURus) 30 A

Wire cross section max. (cURus) 10 AWG

## Classifications

ETIM 6.0 EC000897

ETIM 8.0 EC000897

ECLASS 9.1 27-14-11-20

ECLASS 11.0 27-14-11-20

ETIM 7.0 EC000897

ECLASS 9.0 27-14-11-20

ECLASS 10.0 27-14-11-20

ECLASS 12.0 27-14-11-20

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**Technical data**

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">EAC certificate</a> <a href="#">DNVGL certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">CE Declaration of Conformity all terminals</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">Beipackzettel_PDU.pdf</a> <a href="#">Cross Connection Guide</a> <a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**Data sheet**

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**Drawings**

