

PDU 16 BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Feed-through terminal, PUSH IN, 16 mm ² , 800 V, 76 A, blue
Order No.	1896220000
Type	PDU 16 BL
GTIN (EAN)	4032248511341
Qty.	10 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2023-03-31
Alternative product	2494100000

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Technical data

Dimensions and weights

Depth	47.5 mm	Depth (inches)	1.87 °C
Depth including DIN rail	48 mm	Height	80.5 mm
Height (inches)	3.169 °C	Width	12.1 mm
Width (inches)	0.476 °C	Net weight	37.4 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	blue
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)	59 A
Wire cross section max. (ATEX)	16 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	59 A	Wire cross section max. (IECEX)	16 mm ²
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	Yes
PE function	No	PEN function	No

Additional technical data

Explosion-tested version	No	Installation advice	Direct mounting
Open sides	right	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	200039-1751332	Current size B (CSA)	78 A
Current size C (CSA)	78 A	Voltage size B (CSA)	600 V
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	4 AWG
Wire cross section min. (CSA)	14 AWG		

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Technical data

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	16 Nm
Clamping range, min.	2.5 Nm	Connection cross-section, finely stranded, max.	16 Nm
Connection cross-section, stranded, max.	16 Nm	Connection cross-section, stranded, min.	10 Nm
Connection direction	top	Gauge to IEC 60947-1	B6
Number of connections	2	Stripping length	18 mm
Type of connection	PUSH IN	Wire connection cross section, finely stranded, max.	16 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 Nm	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 Nm	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 Nm
Wire connection cross-section, solid core, max.	16 Nm	Wire connection cross-section, solid core, min.	2.5 Nm

General

Installation advice	Direct mounting	Rail	TS 35
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Rating data

Rated cross-section	16 Nm	Rated voltage	800 V
Rated current	76 A	Volume resistance according to IEC 60947-7-x	0.42 °C
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	2.43 W
Pollution severity	3		

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	4 AWG
Conductor size Factory wiring min. (cURus)	14 AWG	Conductor size Field wiring max. (cURus)	4 AWG
Conductor size Field wiring min. (cURus)	14 AWG	Current size B (cURus)	75 A
Current size C (cURus)	75 A	UL_current_Print	75 A
UL_voltage_Print	600 V	UL_wire_max_Print	4 A / 6 A / 10 A / 13 A / 15 A
UL_wire_min_Print	14 A / 6 A / 10 A / 13 A / 15 A	Voltage size B (cURus)	600 V
Voltage size C (cURus)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEx Certificate ATEX Certificate EAC certificate DNVGL certificate Declaration of Conformity Declaration of Conformity all terminals
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Beipackzettel_PDU.pdf Cross Connection Guide Usage of terminals in EXi atmospheres StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

