

PTDS 4 DC

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Power distribution using uncut cables with cross-sections from 1.5 to 6 mm².

Power supply / T-branch tap via PUSH IN connection (0.5 to 10 mm²) and/or plug-in connection (0.5 to 4 mm²).

Coloured markings provide clear assignment of wires.

- Power supply
- Power distribution
- Power branching

General ordering data

Version	Field Power® plug-in connector, DC, IP20, Polyamide, PUSH IN, Number of poles : 2 x 5
Order No.	1009990000
Type	PTDS 4 DC
GTIN (EAN)	4032248715244
Qty.	10 items

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Technical data

Approvals

Approvals



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

Dimensions and weights

Depth	36.15 mm	Depth (inches)	1.4232 inch
Height	27.3 mm	Height (inches)	1.0748 inch
Width	55.45 mm	Width (inches)	2.1831 inch
Net weight	46.4 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...80 °C
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Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Approbations

Certificate No. (cURus)	E60693	Institute (cURus)	CURUS
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Clamping capacity, PUSH IN connection

Clamping range, max. PUSH IN connection	4 mm ²	Clamping range, min. PUSH IN connection	0.5 mm ²
Blade size, PUSH IN connection	3.0 x 0.5 mm	Stripping length, PUSH IN connection	12 mm
Finely-stranded flexible, max. PUSH IN connection	4.00 mm ²	Finely-stranded flexible, min. PUSH IN connection	0.50 mm ²
Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/4, PUSH IN connection, min.	0.5 mm ²	Cross-section for connected wire, flexible, PUSH IN connection, max.	4 mm ²
Cross-section for connected wire, PUSH IN connection, solid, max.	4 mm ²	Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, max.	4.00 mm ²
Cross-section for connected wire, flexible, PUSH IN connection, min.	0.5 mm ²	Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/1, PUSH IN connection, max.	4.00 mm ²
Cross-section for connected wire PUSH IN connection, solid, min.	0.5 mm ²	Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, min.	0.50 mm ²
Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/4, PUSH IN connection, max.	4 mm ²	Wire connection cross section, stranded, 0.5 mm ² PUSH IN connection, min.	0.50 mm ²
Cross-section for connected wire, flexible with wire-end ferrules, 8mm with	4.00 mm ²	Cross-section for connected wire, flexible with wire-end ferrules, 8mm with	0.50 mm ²

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plastic collar, DIN 46228/4, PUSH IN connection, max.

Cross-section for connected wire, flexible 0.50 mm² with wire-end ferrules, 12mm with plastic collar, DIN 46228/1, PUSH IN connection, min.

plastic collar, DIN 46228/4, PUSH IN connection, min.

Wire connection cross section, stranded, 4 mm² PUSH IN connection, max.

Clamping capacity

Connection data - plug-in connector	Wire connection method	PUSH IN																																						
	Blade size of operating tool	3.0 x 0.5 mm																																						
	Stripping length	12.00 mm																																						
	Number of poles	5																																						
	Conductor connection cross-section, solid, max. 4 mm ²																																							
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	Conductor connection cross-section, stranded, 4.00 mm ² max.																																							
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General data

Insulating material	Polyamide	Silicone	No
Colour	black	Protection degree	IP20
UL 94 flammability rating	V-0	Type of mounting	Plugged
Can be coded	Yes, Coded on PE	Test point	2 mm
Voltage type	DC	Number of poles	2 x 5
Number of connections / pole	2	Wire connection method	PUSH IN

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Conductor outlet direction 90°

Rated data acc. to IEC

Rated data acc. to IEC for plug-in connector	Voltage type	DC
	Standard	IEC 60947-7-1, IEC 60947-7-2, IEC 61984
	Rated voltage	690 V
	Rated impulse withstand voltage	8.00 kV
	Rated current (3 loaded poles)	32 A
	Rated current (4 loaded poles)	25 A

Rated data acc. to UL

Rated data acc. to UL for plug-in connector	Standard	UL 1059
	Note	for use with UL-listed TC-ER cables
	Conductor connection cross-section, AWG, max.	AWG 12
	Conductor connection cross-section, AWG, min.	AWG 16
	Rated voltage	600 V
	Rated current	20 A

Classifications

ETIM 8.0	EC002943	ETIM 9.0	EC002943
ETIM 10.0	EC002943	ECLASS 14.0	27-44-02-92
ECLASS 15.0	27-44-02-92		

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Drawings

