

**PTDS 4 DC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Power distribution using uncut cables with cross-sections from 1.5 to 6 mm<sup>2</sup>.

Power supply / T-branch tap via PUSH IN connection (0.5 to 10 mm<sup>2</sup>) and/or plug-in connection (0.5 to 4 mm<sup>2</sup>).

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.	<a href="#">1009990000</a>
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 <sup>2</sup>	Clamping range, min. PUSH IN connection	0.5 mm <sup>2</sup>
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 <sup>2</sup>	Finely-stranded flexible, min. PUSH IN connection	0.50 mm <sup>2</sup>
Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/4, PUSH IN connection, min.	0.5 mm <sup>2</sup>	Cross-section for connected wire, flexible, PUSH IN connection, max.	4 mm <sup>2</sup>
Cross-section for connected wire, PUSH IN connection, solid, max.	4 mm <sup>2</sup>	Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, max.	4.00 mm <sup>2</sup>
Cross-section for connected wire, flexible, PUSH IN connection, min.	0.5 mm <sup>2</sup>	Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/1, PUSH IN connection, max.	4.00 mm <sup>2</sup>
Cross-section for connected wire PUSH IN connection, solid, min.	0.5 mm <sup>2</sup>	Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, min.	0.50 mm <sup>2</sup>
Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/4, PUSH IN connection, max.	4 mm <sup>2</sup>	Wire connection cross section, stranded, PUSH IN connection, min.	0.5 mm <sup>2</sup>
Cross-section for connected wire, flexible with wire-end ferrules, 8mm with	4.00 mm <sup>2</sup>	Cross-section for connected wire, flexible with wire-end ferrules, 8mm with	0.50 mm <sup>2</sup>

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

Cross-section for connected wire, flexible 0.50 mm<sup>2</sup>  
with wire-end ferrules, 12 mm 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 mm<sup>2</sup>  
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 <sup>2</sup>
	Conductor connection cross-section, solid, min.		0.50 mm <sup>2</sup>
	Conductor connection cross-section, stranded, max.		4.00 mm <sup>2</sup>
	Conductor connection cross-section, stranded, min.		0.50 mm <sup>2</sup>
	Conductor connection cross-section, finely stranded, max.		4.00 mm <sup>2</sup>
	Conductor connection cross-section, finely stranded, min.		0.50 mm <sup>2</sup>
	Conductor connection cross-section, finest stranded, max.		4.00 mm <sup>2</sup>
	Conductor connection cross-section, finest stranded, min.		0.50 mm <sup>2</sup>
	Conductor connection cross-section with wire end ferrule	Type of wire end ferrule	12 mm with plastic collar
		Standard	DIN 46228/1
		Cross-section, min.	0.5 mm <sup>2</sup>
		Cross-section, max.	4 mm <sup>2</sup>
		Type of wire end ferrule	12 mm with plastic collar
		Standard	DIN 46228/4
		Cross-section, min.	0.5 mm <sup>2</sup>
		Cross-section, max.	4 mm <sup>2</sup>
		Type of wire end ferrule	8 mm with plastic collar
		Standard	DIN 46228/1
		Cross-section, min.	0.5 mm <sup>2</sup>
		Cross-section, max.	4 mm <sup>2</sup>
		Type of wire end ferrule	8 mm with plastic collar
		Standard	DIN 46228/4
		Cross-section, min.	0.5 mm <sup>2</sup>
		Cross-section, max.	4 mm <sup>2</sup>
		Type of wire end ferrule	Twin wire-end ferrules
		Cross-section, min.	0.5 mm <sup>2</sup>
		Cross-section, max.	4 mm <sup>2</sup>

## 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		

## PTDS 4 DC

## Drawings

