

## PTDS 4 NE

**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, IP20, Polyamide, PUSH IN, Number of poles : 2 x 5
Order No.	<a href="#">2000240000</a>
Type	PTDS 4 NE
GTIN (EAN)	4050118387520
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	4.09 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>
Cross-section for connected wire, flexible, 2 clampable wires, PUSH IN connection, max.	4.00 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, 2 clampable wires, PUSH IN connection, min.	0.50 mm <sup>2</sup>
Cross-section for connected wire, flexible 0.5 mm <sup>2</sup> with wire-end ferrules, 12mm with plastic collar, DIN 46228/4, PUSH IN connection, min.		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 4.00 mm <sup>2</sup> with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, max.	
Cross-section for connected wire, flexible, PUSH IN connection, min.	0.5 mm <sup>2</sup>	Cross-section for connected wire, flexible 4.00 mm <sup>2</sup> with wire-end ferrules, 12mm with plastic collar, DIN 46228/1, PUSH IN connection, max.	
Cross-section for connected wire PUSH IN connection, solid, min.	0.5 mm <sup>2</sup>	Cross-section for connected wire, flexible 0.50 mm <sup>2</sup> with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, min.	
Cross-section for connected wire, flexible 4 mm <sup>2</sup> with wire-end ferrules, 12mm with		Wire connection cross section, stranded, 0.5 mm <sup>2</sup> PUSH IN connection, min.	

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

Cross-section for connected wire, flexible 4.00 mm<sup>2</sup> with wire-end ferrules, 8mm with 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, 12mm with plastic collar, DIN 46228/1, PUSH IN connection, min.

Cross-section for connected wire, flexible 0.50 mm<sup>2</sup> with wire-end ferrules, 8mm with 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 ferrule
	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 ferrule
	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 ferrule	
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

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UL 94 flammability rating	V-0	Type of mounting	Plugged
Can be coded	Yes	Test point	2 mm
Number of poles	2 x 5	Number of connections / pole	2
Wire connection method	PUSH IN	Conductor outlet direction	90°

### Rated data acc. to IEC

Rated data acc. to IEC for plug-in connector	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**

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