

PTDS 4 NE

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 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, IP20, Polyamide, PUSH IN, Number of poles : 2 x 5
Order No.	2000240000
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 ²	Clamping range, min. PUSH IN connection	0.5 mm ²
Cross-section for connected wire, flexible, 2 clampable wires, PUSH IN connection, max.	4.00 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, 2 clampable wires, PUSH IN connection, min.	0.50 mm ²
Cross-section for connected wire, flexible 0.5 mm ² 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 ²
Cross-section for connected wire, PUSH IN connection, solid, max.	4 mm ²	Cross-section for connected wire, flexible 4.00 mm ² 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 ²	Cross-section for connected wire, flexible 4.00 mm ² 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 ²	Cross-section for connected wire, flexible 0.50 mm ² with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, min.	
Cross-section for connected wire, flexible 4 mm ² with wire-end ferrules, 12mm with		Wire connection cross section, stranded, 0.5 mm ² 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 mm² with wire-end ferrules, 8mm with 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.

Cross-section for connected wire, flexible 0.50 mm² with wire-end ferrules, 8mm with 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	
Conductor connection cross-section, solid, min.	0.50 mm ²	
Conductor connection cross-section, stranded, max.	4.00 mm ²	
Conductor connection cross-section, stranded, min.	0.50 mm ²	
Conductor connection cross-section, finely stranded, max.	4.00 mm ²	
Conductor connection cross-section, finely stranded, min.	0.50 mm ²	
Conductor connection cross-section, finest stranded, max.	4.00 mm ²	
Conductor connection cross-section, finest stranded, min.	0.50 mm ²	
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 ²
	Cross-section, max.	4 mm ²
	Type of wire end ferrule	12 mm with plastic collar
	Standard	DIN 46228/4
	Cross-section, min.	0.5 mm ²
	Cross-section, max.	4 mm ²
	Type of wire end ferrule	8 mm with plastic collar ferrule
	Standard	DIN 46228/1
	Cross-section, min.	0.5 mm ²
	Cross-section, max.	4 mm ²
	Type of wire end ferrule	8 mm with plastic collar ferrule
	Standard	DIN 46228/4
	Cross-section, min.	0.5 mm ²
	Cross-section, max.	4 mm ²
Type of wire end ferrule	Twin wire-end ferrules ferrule	
Cross-section, min.	0.5 mm ²	
Cross-section, max.	4 mm ²	

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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