

**PTDS 4 DC****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 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	FieldPower®, Field Power® plug-in connector, PUSH IN, 0.5 mm <sup>2</sup> - 4 mm <sup>2</sup>
Order No.	<a href="#">1009990000</a>
Type	PTDS 4 DC
GTIN (EAN)	4032248715244
Qty.	10 pc(s).

Creation date May 2, 2022 9:14:05 AM CEST

Catalogue status 22.04.2022 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

Depth	36.15 mm	Depth (inches)	1.423 inch
Height	27.3 mm	Height (inches)	1.075 inch
Width	55.45 mm	Width (inches)	2.183 inch
Net weight	46.4 g		

### Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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### Approvals

Certificate No. (cURus)	E60693	Institute (cURus)	CURUS
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### Clamping capacity, PUSH IN connection - PT6

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

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## Technical data

## Clamping capacity, PUSH IN connection

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

## General information #96 connectors

Can be coded	Yes, Coded on PE	Colour of insulating material	black
Conductor outlet direction	90°	Continuous operating temp., max.	120 °C
Continuous operating temp., min.	-50 °C	Number of connections / pole	2
Plug insulation material	PA	Test point	2 mm
Type of mounting	Plugged	UL 94 flammability rating	V-0
Wire connection method	PUSH IN		

## General data

Can be coded	Yes, Coded on PE	Insulating material	PA
UL 94 flammability rating	V-0		

## Rated data acc. to IEC

Rated cross-section	4 mm <sup>2</sup>	Rated current	32 A
Rated impulse withstand voltage	8 kV	Rated voltage	690
Standards	IEC 60947-7-1, UL 1059		

## Rated data acc. to UL

Rated current (Use group D / UL 1059)	20 A	Rated voltage (Use group D / UL 1059)	600 V
Standards	IEC 60947-7-1, UL 1059	Wire connection cross section AWG, max.	AWG 16
Wire connection cross section AWG, min.	AWG 12		

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**Technical data****Classifications**

ETIM 6.0	EC002943	ETIM 7.0	EC002943
ETIM 8.0	EC002943	ECLASS 9.0	27-44-02-92
ECLASS 9.1	27-44-03-90	ECLASS 10.0	27-44-02-92
ECLASS 11.0	27-44-02-92		

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	E60693

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">UL Certificate FieldPower® terminals and plug-in connectors</a> <a href="#">Manufacturer's Declaration FieldPower® plug-in connectors and HQ adapters</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Manual FieldPower® PTS 4 and PTDS 4</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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**Drawings**

