

PTDS 4**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	FieldPower®, Plug-in connector, PUSH IN, 0.5 mm ² - 4 mm ²
Order No.	1952130000
Type	PTDS 4
GTIN (EAN)	4032248632084
Qty.	10 pc(s).

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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
Net weight	45.9 g	Width	55.45 mm
Width (inches)	2.183 inch		

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, distribution

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

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IDC connection clamping capacity, power cable

Blade size	3.0 x 0.5 mm	Connection cross-section, finely stranded, max.	4 mm ²
Connection cross-section, finely stranded, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross section, finely stranded, min.	0.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	4 mm ²
Wire cross-section, solid, max.	4 mm ²	Wire cross-section, solid, min.	0.5 mm ²

Clamping capacity, PUSH IN connection

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

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 GF	Test point	2 mm
Type of mounting	Plugged	UL 94 flammability rating	V-0
Wire connection method	PUSH IN	lockable	Yes

General data

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

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Rated data acc. to IEC

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

Rated data acc. to UL

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

Classifications

ETIM 6.0	EC002943	ETIM 7.0	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	Herstellererklärung_DE Herstellererklärung_DE
Engineering Data	FieldPower
	STEP

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Drawings

