PTDS 4

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

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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

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

Temperatures

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

Approvals

Certificate No. (cURus)	E60693	Institute (cURus)	CURUS

Clamping capacity, IDC connection - PT6

Blade size	3.0 x 0.5 mm	Connection cross-section, finely stranded, max.	4 mm²
Connection cross-section, finely stranded, min.	0.5 mm²	Wire connection cross section, finely stranded, max.	4 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²	Wire cross-section, finely stranded, two clampable wires, max.	4 mm²
Wire cross-section, solid, max.	4 mm²	Wire cross-section, solid, min.	0.5 mm²

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Technical data

Clamping capacity, PUSH IN connection - PT6

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 mm²	Conductor cross-section, flexible AEH 12 mm plus plastic collar DIN 46228/4, rated connection, max.	4 mm²
Conductor cross-section, flexible AEH 12 mm plus plastic collar DIN 46228/4, rated connection, min.	0.5 mm²	Conductor cross-section, flexible AEH 8 mm plus plastic collar DIN 46228/1, rated connection, max.	4 mm²
Conductor cross-section, flexible AEH 8 mm plus plastic collar DIN 46228/1, rated connection, min.	0.5 mm²	Conductor cross-section, flexible AEH 8 mm plus plastic collar DIN 46228/4, rated connection, max.	4 mm²
Conductor cross-section, flexible AEH 8 mm plus plastic collar DIN 46228/4, rated connection, min.	0.5 mm²	Cross-section for connected wire PUSH IN connection, solid, min.	0.5 mm²
Cross-section for connected wire, PUSH IN connection, solid, max.	4 mm²	Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/1, PUSH IN connection, max.	4 mm²
Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/1, PUSH IN connection, min.	0.5 mm²	Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/4, PUSH IN connection, max.	4 mm²
Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/4, PUSH IN connection, min.	0.5 mm²	Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, max.	4 mm²
Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, min.	0.5 mm²	Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/4, PUSH IN connection, max.	4 mm²
Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/4, PUSH IN connection, min.	0.5 mm²	Cross-section for connected wire, flexible, PUSH IN connection, max.	4 mm²
Cross-section for connected wire, flexible, PUSH IN connection, min.	0.5 mm²	Cross-section for connected wire, stranded, two clampable wires, max.	0.5 mm²
Cross-section for connected wire, stranded, two clampable wires, min.	4 mm²	Finely-stranded flexible, max. PUSH IN connection	4 mm²
Finely-stranded flexible, min. PUSH IN connection	0.5 mm²	Stripping length	12 mm
Stripping length, PUSH IN connection	12 mm	Wire connection cross section, stranded, PUSH IN connection, max.	4 mm²
Wire connection cross section, stranded, PUSH IN connection, min.	0.5 mm²		

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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 mm²
Clamping range, min. PUSH IN connection	0.5 mm²	Cross-section for connected wire PUSH IN connection, solid, min.	0.5 mm²
Cross-section for connected wire, PUSH IN connection, solid, max.	4 mm²	Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/1, PUSH IN connection, max.	4 mm²
Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/1, PUSH IN connection, min.	0.5 mm²	Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/4, PUSH IN connection, max.	4 mm²
Cross-section for connected wire, flexible with wire-end ferrules, 12mm with plastic collar, DIN 46228/4, PUSH IN connection, min.	0.5 mm²	Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, max.	4 mm²
Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, min.	0.5 mm²	Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/4, PUSH IN connection, max.	4 mm²
Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/4, PUSH IN connection, min.	0.5 mm²	Cross-section for connected wire, flexible, PUSH IN connection, max.	4 mm²
Cross-section for connected wire, flexible, PUSH IN connection, min.	0.5 mm²	Finely-stranded flexible, max. PUSH IN connection	4 mm²
Finely-stranded flexible, min. PUSH IN connection	0.5 mm²	Stripping length, PUSH IN connection	12 mm
Wire connection cross section, stranded, PUSH IN connection, max.	4 mm²	Wire connection cross section, stranded, PUSH IN connection, min.	0.5 mm²

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	lockable	Yes

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 mm²	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		

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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	ECLASS 12.0	27-44-02-92

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Downloads

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

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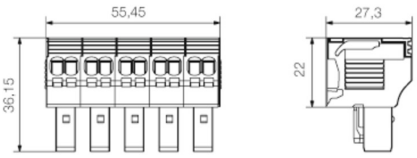
Drawings



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