

PTSI 4/LD 400V AC**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®, Field Power® plug-in connector, PUSH IN, 0.5 mm ² - 4 mm ²
Order No.	1961770000
Type	PTSI 4/LD 400V AC
GTIN (EAN)	4032248641765
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	55 mm	Depth (inches)	2.165 inch
Height	85 mm	Height (inches)	3.346 inch
Width	57 mm	Width (inches)	2.244 inch
Net weight	100 g		

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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Clamping capacity, IDC connection - PT6

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, solid, max.	4 mm ²
Wire cross-section, solid, min.	0.5 mm ²		

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Clamping capacity, PUSH IN connection - PT6

Blade size		Blade size, PUSH IN connection	
3.0 x 0.5 mm		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		

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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

General information #96 connectors

Can be coded	Yes, Coded on PE	Cartridge fuse	6.3 x 32 mm (1/4 x 1 1/4")
Colour of insulating material	black	Conductor outlet direction	90°
Continuous operating temp., max.	120 °C	Continuous operating temp., min.	-50 °C
Failure indicator	Red LED	Fuse holder (cartridge holder)	Pivoting
Number of connections / pole	1	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 mm ²	Rated current	12 A
Rated impulse withstand voltage	6 kV	Rated voltage	500
Standards	IEC 60947-7-3, UL 1059		

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Technical data

Rated data acc. to UL

Rated current (Use group D / UL 1059) 20 A

Standards

IEC 60947-7-3, UL 1059

Wire connection cross section AWG,
min.

AWG 16

Rated voltage (Use group D / UL 1059) 600 V

Wire connection cross section AWG,
max.

AWG 12

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



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Approval/Certificate/Document of
Conformity[UL Certificate FieldPower® terminals and plug-in connectors](#)[Manufacturer's Declaration FieldPower® plug-in connectors and HQ adapters](#)

Engineering Data

[CAD data – STEP](#)

Catalogues

[Catalogues in PDF-format](#)

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Drawings

