

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.	<u>1131730000</u>
Туре	PTS 4 DC
GTIN (EAN)	4032248912117
Qty.	10 pc(s).



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# **Technical data**

Dim	oneione	and	weights
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Difficition and Worging			
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	34.71 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 con	nection - PT6		
Blade size	0.0 0.5	Connection cross-section, finely	0.5
	3.0 x 0.5 mm	stranded, max.	0.5 mm <sup>2</sup>
Connection cross-section, finely	1 2	Wire cross-section, finely stranded, tw	
stranded, min.	4 mm <sup>2</sup>	clampable wires, max.	4 mm <sup>2</sup>
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

Dia da aina	2 0 v 0 5 mm	Plada siza PHCH IN compaction	2.0 v 0.5 mans
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	Conductor cross-section, flexible AEH 12 mm plus plastic collar DIN 46228/4	ı
rated connection, min.	0.5 mm <sup>2</sup>	rated connection, max.	4 mm <sup>2</sup>
Conductor cross-section, flexible AEH	0.0 11111	Conductor cross-section, flexible AEH	711111
12 mm plus plastic collar DIN 46228/	4.	8 mm plus plastic collar DIN 46228/1,	
rated connection, min.	0.5 mm <sup>2</sup>	rated connection, max.	4 mm <sup>2</sup>
Conductor cross-section, flexible AEH		Conductor cross-section, flexible AEH	
8 mm plus plastic collar DIN 46228/1	,	8 mm plus plastic collar DIN 46228/4,	
rated connection, min.	0.5 mm <sup>2</sup>	rated connection, max.	4 mm <sup>2</sup>
Conductor cross-section, flexible AEH		Cross-section for connected wire PUSH	
8 mm plus plastic collar DIN 46228/4		IN connection, solid, min.	
rated connection, min.	0.5 mm <sup>2</sup>		0.5 mm <sup>2</sup>
Cross-section for connected wire, PUSI	1	Cross-section for connected wire, flexib	le
IN connection, solid, max.		with wire-end ferrules, 12mm with	
	4 mm <sup>2</sup>	plastic collar, DIN 46228/1, PUSH IN connection, max.	4 mm <sup>2</sup>
Cross-section for connected wire, flexib		Cross-section for connected wire, flexible	
with wire-end ferrules, 12mm with	ne -	with wire-end ferrules, 12mm with	e
plastic collar, DIN 46228/1, PUSH IN		plastic collar, DIN 46228/4, PUSH IN	
connection, min.	0.5 mm <sup>2</sup>	connection, max.	4 mm <sup>2</sup>
Cross-section for connected wire, flexib	ble	Cross-section for connected wire, flexib	le
with wire-end ferrules, 12mm with		with wire-end ferrules, 8mm with	
plastic collar, DIN 46228/4, PUSH IN		plastic collar, DIN 46228/1, PUSH IN	
connection, min.	0.5 mm <sup>2</sup>	connection, max.	4 mm <sup>2</sup>
Cross-section for connected wire, flexib	ble	Cross-section for connected wire, flexib	le
with wire-end ferrules, 8mm with		with wire-end ferrules, 8mm with	
plastic collar, DIN 46228/1, PUSH IN connection, min.	0.5 mm <sup>2</sup>	plastic collar, DIN 46228/4, PUSH IN connection, max.	4 mm <sup>2</sup>
Cross-section for connected wire, flexib		Cross-section for connected wire.	4 111111-
with wire-end ferrules. 8mm with	ne	flexible, PUSH IN connection, max.	
plastic collar, DIN 46228/4, PUSH IN		nexible, i doi i ill connection, max.	
connection, min.	0.5 mm <sup>2</sup>		4 mm <sup>2</sup>
Cross-section for connected wire,		Cross-section for connected wire,	
flexible, PUSH IN connection, min.	0.5 mm <sup>2</sup>	stranded, two clampable wires, max.	4 mm²
Cross-section for connected wire,		Finely-stranded flexible, max. PUSH IN	
stranded, two clampable wires, min.	0.5 mm <sup>2</sup>	connection	4 mm <sup>2</sup>
Finely-stranded flexible, min. PUSH IN		Stripping length	
connection	0.5 mm <sup>2</sup>		12 mm
Stripping length, PUSH IN connection		Wire connection cross section, stranded	
	12 mm	PUSH IN connection, max.	4 mm <sup>2</sup>
Wire connection cross section, strande	•		
PUSH IN connection, min.	0.5 mm²		



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#### PTS 4 DC

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# **Technical data**

### **Clamping capacity, PUSH IN connection**

Blade size, PUSH IN connection		Clamping range, max. PUSH IN	
	3.0 x 0.5 mm	connection	4 mm <sup>2</sup>
Clamping range, min. PUSH IN		Cross-section for connected wire PUSH	
connection	0.5 mm <sup>2</sup>	IN connection, solid, min.	0.5 mm <sup>2</sup>
Cross-section for connected wire, PUSH IN connection, solid, max.		Cross-section for connected wire, flexib with wire-end ferrules, 12mm with plastic collar, DIN 46228/1, PUSH IN	le
	4 mm <sup>2</sup>	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.	e 0.5 mm²	Cross-section for connected wire, flexib with wire-end ferrules, 12mm with plastic collar, DIN 46228/4, PUSH IN connection, max.	le 4 mm²
Cross-section for connected wire, flexible with wire-end ferrules, 12mm with		Cross-section for connected wire, flexib with wire-end ferrules, 8mm with	
plastic collar, DIN 46228/4, PUSH IN connection, min.	0.5 mm <sup>2</sup>	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.	e 0.5 mm²	Cross-section for connected wire, flexib with wire-end ferrules, 8mm with plastic collar, DIN 46228/4, PUSH IN connection, max.	le 4 mm²
Cross-section for connected wire, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/4, PUSH IN	9	Cross-section for connected wire, flexible, PUSH IN connection, max.	
connection, min.	0.5 mm <sup>2</sup>		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 mm²
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 mm²	Wire connection cross section, stranded PUSH IN connection, min.	d, 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	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 <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 10	59) 20 A	Rated voltage (Use gro	oup D / UL 1059) 600 V
Standards		Wire connection cross	s section AWG,
	IEC 60947-7-1, UL 1059	max.	AWG 16
Wire connection cross section AWG	i,		
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	UL Certificate FieldPower® terminals and plug-in connectors
Conformity	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**





