

**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	Field Power® plug-in connector, DC, IP20, Polyamide, PUSH IN, Number of poles : 2 x 5
Order No.	<a href="#">1009990000</a>
Type	PTDS 4 DC
GTIN (EAN)	4032248715244
Qty.	10 items

## PTDS 4 DC

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## Technical data

### Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

### Dimensions and weights

Depth	36.15 mm	Depth (inches)	1.4232 inch
Height	27.3 mm	Height (inches)	1.0748 inch
Width	55.45 mm	Width (inches)	2.1831 inch
Net weight	46.4 g		

### Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...80 °C
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### Environmental Product Compliance

RoHS Compliance Status Compliant without exemption

REACH SVHC No SVHC above 0.1 wt%

### Approbations

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

Clamping range, max. PUSH IN connection	4 mm <sup>2</sup>	Clamping range, min. PUSH IN connection	0.5 mm <sup>2</sup>
Blade size, PUSH IN connection	3.0 x 0.5 mm	Stripping length, PUSH IN connection	12 mm
Finely-stranded flexible, max. PUSH IN connection	4.00 mm <sup>2</sup>	Finely-stranded flexible, min. PUSH IN connection	0.50 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, PUSH IN connection, max.	4 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, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, max.	4.00 mm <sup>2</sup>
Cross-section for connected wire, flexible, 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 46228/1, PUSH IN connection, max.	4.00 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, flexible with wire-end ferrules, 8mm with plastic collar, DIN 46228/1, PUSH IN connection, min.	0.50 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>	Wire connection cross section, stranded, PUSH IN connection, min.	0.5 mm <sup>2</sup>
Cross-section for connected wire, flexible with wire-end ferrules, 8mm with	4.00 mm <sup>2</sup>	Cross-section for connected wire, flexible with wire-end ferrules, 8mm with	0.50 mm <sup>2</sup>

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plastic collar, DIN 46228/4, PUSH IN connection, max.

Cross-section for connected wire, flexible 0.50 mm<sup>2</sup> with wire-end ferrules, 12mm with plastic collar, DIN 46228/1, PUSH IN connection, min.

plastic collar, DIN 46228/4, PUSH IN connection, min.

Wire connection cross section, stranded, 4 mm<sup>2</sup> PUSH IN connection, max.

### Clamping capacity

Connection data - plug-in connector

Wire connection method	PUSH IN	
Blade size of operating tool	3.0 x 0.5 mm	
Stripping length	12.00 mm	
Number of poles	5	
Conductor connection cross-section, solid, max.	4 mm <sup>2</sup>	
Conductor connection cross-section, solid, min.	0.50 mm <sup>2</sup>	
Conductor connection cross-section, stranded, max.	4.00 mm <sup>2</sup>	
Conductor connection cross-section, stranded, min.	0.50 mm <sup>2</sup>	
Conductor connection cross-section, finely stranded, max.	4.00 mm <sup>2</sup>	
Conductor connection cross-section, finely stranded, min.	0.50 mm <sup>2</sup>	
Conductor connection cross-section, finest stranded, max.	4.00 mm <sup>2</sup>	
Conductor connection cross-section, finest stranded, min.	0.50 mm <sup>2</sup>	
Conductor connection cross-section with wire end ferrule	Type of wire end ferrule	12 mm with plastic collar
	Standard	DIN 46228/1
	Cross-section, min.	0.5 mm <sup>2</sup>
	Cross-section, max.	4 mm <sup>2</sup>
	Type of wire end ferrule	12 mm with plastic collar
	Standard	DIN 46228/4
	Cross-section, min.	0.5 mm <sup>2</sup>
	Cross-section, max.	4 mm <sup>2</sup>
	Type of wire end ferrule	8 mm with plastic collar
	Standard	DIN 46228/1
	Cross-section, min.	0.5 mm <sup>2</sup>
	Cross-section, max.	4 mm <sup>2</sup>
	Type of wire end ferrule	8 mm with plastic collar
	Standard	DIN 46228/4
	Cross-section, min.	0.5 mm <sup>2</sup>
	Cross-section, max.	4 mm <sup>2</sup>
	Type of wire end ferrule	Twin wire-end ferrules
	Cross-section, min.	0.5 mm <sup>2</sup>
	Cross-section, max.	4 mm <sup>2</sup>

### General data

Insulating material	Polyamide	Silicone	No
Colour	black	Protection degree	IP20
UL 94 flammability rating	V-0	Type of mounting	Plugged
Can be coded	Yes, Coded on PE	Test point	2 mm
Voltage type	DC	Number of poles	2 x 5
Number of connections / pole	2	Wire connection method	PUSH IN

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Conductor outlet direction 90°

### Rated data acc. to IEC

Rated data acc. to IEC for plug-in connector	Voltage type	DC
	Standard	IEC 60947-7-1, IEC 60947-7-2, IEC 61984
	Rated voltage	690 V
	Rated impulse withstand voltage	8.00 kV
	Rated current (3 loaded poles)	32 A
	Rated current (4 loaded poles)	25 A

### Rated data acc. to UL

Rated data acc. to UL for plug-in connector	Standard	UL 1059
	Note	for use with UL-listed TC-ER cables
	Conductor connection cross-section, AWG, max.	AWG 12
	Conductor connection cross-section, AWG, min.	AWG 16
	Rated voltage	600 V
	Rated current	20 A

### Classifications

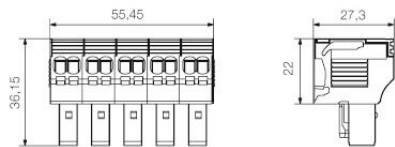
ETIM 8.0	EC002943	ETIM 9.0	EC002943
ETIM 10.0	EC002943	ECLASS 14.0	27-44-02-92
ECLASS 15.0	27-44-02-92		

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**Drawings**

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## Accessories

### Tools



Sheathing stripper for PVC cables

#### General ordering data

Type	AM 16	Version	
Order No.	<a href="#">9204190000</a>	Tools, Sheathing strippers	
GTIN (EAN)	4032248608133		
Qty.	1 ST		

Type	AM 25	Version	
Order No.	<a href="#">9001540000</a>	Tools, Sheathing strippers	
GTIN (EAN)	4008190138271		
Qty.	1 ST		

### Plugs



The plugs for our WeiCoS-System are available for all different connection systems. The product range includes preassembled connectors from 1 to 10 poles and the possibility of an individual assembly. This ensures maximum flexibility for every application. The customized accessories increase the safety and protection against environmental influences.

#### General ordering data

Type	ZVR ZP2.5	Version	
Order No.	<a href="#">1816130000</a>	Z-series, Locking clips, yellow, 3.9 mm	
GTIN (EAN)	4032248370702		
Qty.	25 ST		

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## Accessories

## Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

Type	WS 12/6 MC NE WS	Version
Order No.	<a href="#">1609900000</a>	WS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4008190203467	Allen-Bradley, white
Qty.	600 ST	

## Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

## General ordering data

Type	SDS 0.5X3.0X80	Version
Order No.	<a href="#">2749330000</a>	Screwdriver, Blade width (B): 3 mm, Blade length: 80 mm, Blade
GTIN (EAN)	4050118895551	thickness (A): 0.5 mm
Qty.	1 ST	