Weidmüller

WP 2.5/1AN/1

Product image

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

Version	Plug (terminal), Screw connection, 2.5 mm², 24 A, 500 V, Number of connections: 1, Number of poles: 1, Width: 6.1 mm
Order No.	1305270000
Type	WP 2.5/1AN/1
GTIN (EAN)	4050118104547
Qty.	50 items

WP 2.5/1AN/1

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Approvals

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

Dimensions and weights

Depth	41 mm	Depth (inches)	1.6142 inch
Height	22.9 mm	Height (inches)	0.9016 inch
Width	6.1 mm	Width (inches)	0.2402 inch
Net weight	5.16 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, Plug	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	1	PE connection	No

Additional technical data

Open sides	closed	Type of mounting	Plugged

CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	20 A	Certificate No. (CSA)	200039-70001233
Voltage size B (CSA)	300 V	Current size B (CSA)	20 A
Voltage size D (CSA)	300 V	Current size D (CSA)	10 A
Wire cross section min. (CSA)	16 AWG		

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A4	Wire connection cross section AWG, max.	AWG 12
Connection direction	top	Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.4 Nm	Stripping length	7 mm
Type of connection	Screw connection	Number of connections	1

Creation date 06.03.2026 02:19:29 MEZ

WP 2.5/1AN/1

Technical data

Clamping range, max.	4 mm²	Clamping range, min.	0.13 mm²
Clamping screw	M 2.5	Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 26	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm²	Wire connection cross section, finely stranded, max.	2.5 mm²
Wire connection cross-section, finely stranded, min.	0.13 mm²	Connection cross-section, stranded, max.	4 mm²
Connection cross-section, stranded, min.	0.13 mm²	Wire connection cross-section, solid core, max.	4 mm²
Wire connection cross-section, solid core, min.	0.13 mm²		

General

Number of poles	1	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 26	Standards	In accordance with IEC 60947-7-1

Rating data

Rated cross-section	2.5 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	24 A
Standards	In accordance with IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Rated impulse withstand voltage	6 kV	Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	12 AWG	Voltage size B (cURus)	300 V
Voltage size D (cURus)	300 V	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	26 AWG	Conductor size Factory wiring min. (cURus)	26 AWG
Current size B (cURus)	20 A	Voltage size C (cURus)	300 V
Current size C (cURus)	20 A	Current size D (cURus)	10 A
Conductor size Field wiring max. (cURus)	12 AWG		

Classifications

ETIM 8.0	EC002848	ETIM 9.0	EC002848
ETIM 10.0	EC002848	ECLASS 14.0	27-25-03-90
ECLASS 15.0	27-25-03-90		

Creation date 06.03.2026 02:19:29 MEZ

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Accessories

Plugs

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General ordering data

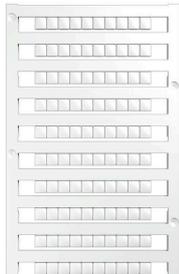| Type	ZVR ZP2.5	Version	
Order No.	1816130000	Z-series, Locking clips, yellow, 3.9 mm	
GTIN (EAN)	4032248370702		
Qty.	25 ST		
Type	KOSF ZT2.5	Version	
Order No.	1816150000	Z-series, Coding element, yellow, 2.9 mm	
GTIN (EAN)	4032248370726		
Qty.	50 ST		
Type	ZZE ZP2.5	Version	
Order No.	1816140000	Z-series, Strain relief, yellow, 9.9 mm	
GTIN (EAN)	4032248370719		
Qty.	25 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 0.6X3.5X100	Version	
Order No.	9008330000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056286		
Qty.	1 ST		

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Accessories

Blank

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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	DEK 5/5 MC NE WS	Version
Order No.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1000 ST	
Type	WS 10/5 MC NE WS	Version
Order No.	1635000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190261948	Allen-Bradley, white
Qty.	720 ST	

Plugs

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General ordering data

Type	ZP 2.5/1AN/1	Version
Order No.	1815430000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248370238	
Qty.	50 ST	
Type	ZP 2.5/1AN/10	Version
Order No.	1815560000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248342624	
Qty.	20 ST	
Type	ZP 2.5/1AN/QV	Version
Order No.	1007900000	Z-series, Plug-in connector, Direct mounting
GTIN (EAN)	4032248711277	
Qty.	50 ST	

Creation date 06.03.2026 02:19:29 MEZ

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Accessories

Type	ZP 2.5/1AN/QV/10	Version	
Order No.	1815280000	Z-series, Plug-in connector, dark beige, Direct mounting	
GTIN (EAN)	4032248342563		
Qty.	20 ST		

Marker holder

The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Type	BZT 1 WS 10/5	Version	
Order No.	1805490000	Accessories, Marker holder	
GTIN (EAN)	4032248270231		
Qty.	100 ST		
Type	BZT 1 ZA WS 10/5	Version	
Order No.	1805520000	Accessories, Marker holder	
GTIN (EAN)	4032248270248		
Qty.	100 ST		