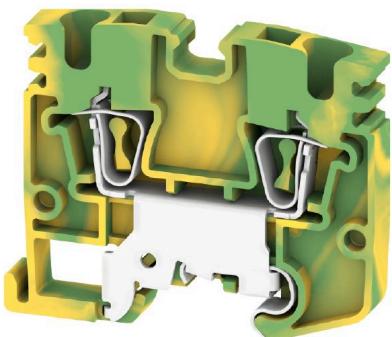


**ZPEA 2.5-2N**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergsstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

**Product image**

A protective feed through terminal block is an electrical conductor for the purpose of safety and is used in many applications. To establish the electrical and mechanical connection between copper conductors and the mounting support plate, PE terminal blocks are used. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

**General ordering data**

Version	Z-series, PE terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension-clamp connection, green
Order No.	<a href="#">1808210000</a>
Type	ZPEA 2.5-2N
GTIN (EAN)	4032248280292
Qty.	50 ST

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## Technical data

## Approvals

## Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (cURus)	E60693

## Dimensions and weights

Depth	35 mm	Depth (inches)	1.378 inch
Depth including DIN rail	35.5 mm	Height	42.5 mm
Height (inches)	1.6732 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	6.13 g

## Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

## Environmental Product Compliance

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

## Material data

Material	Wemid	Colour	Green/yellow
UL 94 flammability rating	V-0		

## System specifications

Version	Tension-clamp connection, With PE connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 15	N-function	No
PE function	Yes	PEN function	No

## Additional technical data

Open sides	right	Explosion-tested version	No
Type of mounting	Snap-on		

## CSA rating data

Wire cross section max. (CSA)	12 AWG	Certificate No. (CSA)	200039-1152892
Wire cross section min. (CSA)	26 AWG		

## Conductors for clamping (additional connection)

Connection type, additional connection Tension-clamp connection

Creation date 06.07.2025 07:13:02 MEZ

Catalogue status / Drawings

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## Technical data

## Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A2	Wire connection cross section AWG, max.	AWG 12
Connection direction	on side	Stripping length	10 mm
Type of connection	Tension-clamp connection	Number of connections	2
Clamping range, max.	4 mm <sup>2</sup>	Clamping range, min.	0.13 mm <sup>2</sup>
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 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>
Connection cross-section, stranded, max.	2.5 mm <sup>2</sup>	Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

## Dimensions

TS 15 offset	22.5 mm	TS 32 offset	34.5 mm
TS 35 offset	34.5 mm		

## General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-2	Rail	TS 15

## PE rating data

Rated short-time current	300 A (2.5 mm <sup>2</sup> )	PEN function	No
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## Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage to adjoining terminal	800 V
Rated DC voltage	800 V	Rated current	24 A
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Rated impulse withstand voltage	8 kV	Rated impulse withstand voltage to adjacent terminal	8 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	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	26 AWG	Conductor size Factory wiring min. (cURus)	26 AWG
Conductor size Field wiring max. (cURus)	12 AWG		

## Classifications

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ETIM 8.0	EC000901	ETIM 9.0	EC000901

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**Technical data**

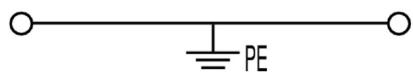
ETIM 10.0	EC000901	ECLASS 9.0	27-14-11-41
ECLASS 9.1	27-14-11-41	ECLASS 10.0	27-14-11-41
ECLASS 11.0	27-14-11-41	ECLASS 12.0	27-14-11-41
ECLASS 13.0	27-25-01-03	ECLASS 14.0	27-25-01-03
ECLASS 15.0	27-25-01-03		

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**Drawings**

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## Accessories

2.5 mm<sup>2</sup>

2.5  
mm<sup>2</sup>

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

## General ordering data

Type	ZAP/TW ZDUA2.5-2N	Version
Order No.	<a href="#">1808170000</a>	Z-series, End plate, Partition plate
GTIN (EAN)	4032248280254	
Qty.	50 ST	

TS 15

TS 15

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

## General ordering data

Type	EW 15	Version
Order No.	<a href="#">0382860000</a>	End bracket, beige, TS 15, V-2, Polyamide 66, Width: 10 mm, 100 °C
GTIN (EAN)	4008190187804	
Qty.	50 ST	
Type	EW 15/2	Version
Order No.	<a href="#">1071900000</a>	End bracket, dark beige, TS 15, HB, Plastic, Width: 8 mm, 100 °C
GTIN (EAN)	4008190462949	
Qty.	50 ST	
Type	ZEW 15	Version
Order No.	<a href="#">7920340000</a>	End bracket, beige, TS 15, V-2, Plastic, Width: 5 mm, 120 °C
GTIN (EAN)	4032248238910	
Qty.	20 ST	

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## Accessories

## Z-Series



Series

## General ordering data

Type	ZAD 1/4	Version
Order No.	<a href="#">1609110000</a>	Z-series, Cover
GTIN (EAN)	4008190190910	
Qty.	20 ST	

## Custom printing



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 SDR	Version
Order No.	<a href="#">1609810000</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190456597	Weidmüller, To customer specification
Qty.	200 ST	

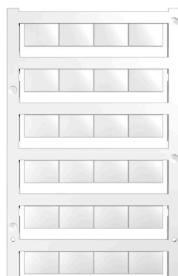
## ZPEA 2.5-2N

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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 10/15 MC NE WS	Version
Order No.	<a href="#">1854090000</a>	WS, Terminal marker, 10 x 15 mm, Pitch in mm (P): 15.00
GTIN (EAN)	4032248390694	Weidmueller, Allen-Bradley, white
Qty.	240 ST	
Type	WS 10/5 M MC NE WS	Version
Order No.	<a href="#">1792000000</a>	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4032248223862	Allen-Bradley, white
Qty.	720 ST	
Type	WS 10/5 MC NE WS	Version
Order No.	<a href="#">1635000000</a>	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190261948	Allen-Bradley, white
Qty.	720 ST	
Type	ZS 10/5 MC NE WS	Version
Order No.	<a href="#">1610000000</a>	ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190263171	Allen-Bradley, white
Qty.	480 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.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 ST	

## ZPEA 2.5-2N

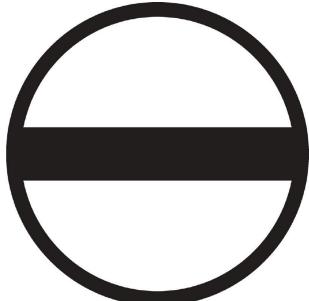
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## Accessories

Type	BZT 1 ZA WS 10/5	Version
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	

## Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

## General ordering data

Type	SDIS SLIM 0.6X3.5X100	Version
Order No.	<a href="#">2749610000</a>	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4050118896350	thickness (A): 0.6 mm
Qty.	1 ST	