

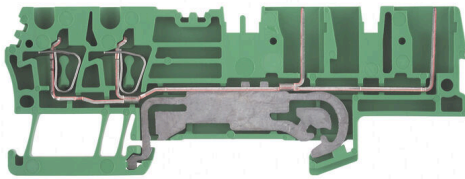
ZTPE 2.5/4AN/2

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



Some applications demand for a pluggable, modular solution to be more flexible or to facilitate the installation. Where complete functional units have to be prefabricated or replaced, modular and flexible connection systems are required. Our pluggable terminal blocks can be quickly assembled and are completely factory tested.

General ordering data

Version	Z-series, Plug-in modular terminals, Rated cross-section: 2.5 mm ² , Tension-clamp connection, Green/yellow
Order No.	1815120000
Type	ZTPE 2.5/4AN/2
GTIN (EAN)	4032248370030
Qty.	50 items

ZTPE 2.5/4AN/2

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

Depth	34.5 mm	Depth (inches)	1.3583 inch
Depth including DIN rail	35 mm	Height	93 mm
Height (inches)	3.6614 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	12.74 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °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	Green/yellow
UL 94 flammability rating	V-0		

System specifications

Version	2 tension-clamp connections - 2 plug-in connections, pluggable, With PE connection	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	4	Levels cross-connected internally	No
PE connection	Yes	Mounting rail	TS 35
PE function	Yes	PEN function	No

Additional technical data

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

CSA rating data

Voltage size C (cCSAus)	300 V	Current size D (cCSAus)	5 A
Wire cross section min. (cCSAusX)	26 AWG	Current size C (cCSAus)	20 A
Certificate number (cCSAus)	154685-1460993	Wire cross section max. (cCSAusX)	12 AWG
Voltage size D (cCSAus)	600 V		

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Technical data

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm ²	Connection type, additional connection	pluggable
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Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A2		
Wire connection cross section AWG, max.	AWG 26		
Connection direction	top		
Stripping length	10 mm		
Type of connection	Tension-clamp connection		
Number of connections	4		
Clamping range, max.	4 mm ²		
Clamping range, min.	0.13 mm ²		
Blade size	0.6 x 3.5 mm		
Wire connection cross section AWG, min.	AWG 12		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm ²		
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm ²		
Wire connection cross section, finely stranded, max.	4 mm ²		
Wire connection cross section, finely stranded, min.	0.13 mm ²		
Connection cross-section, stranded, max.	4 mm ²		
Connection cross-section, stranded, min.	0.13 mm ²		
Wire connection cross-section, solid core, max.	4 mm ²		
Wire connection cross-section, solid core, min.	0.13 mm ²		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	nominal	0.5 mm ²
		min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
		min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1 mm ²
		min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm ²
		min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm ²
		min.	8 mm
		max.	12 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.5 mm ²
		nominal	10 mm

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Technical data

Cross-section for conductor connection	nominal	0.75 mm ²
	nominal	10 mm
Cross-section for conductor connection	nominal	1 mm ²
	nominal	10 mm
Cross-section for conductor connection	nominal	1.5 mm ²
	min.	10 mm
	max.	12 mm
Cross-section for conductor connection	nominal	2.5 mm ²
	min.	10 mm
	max.	12 mm

General

Wire connection cross section AWG, max.	AWG 26	Wire connection cross section AWG, min.	AWG 12
Mounting rail	TS 35		

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated voltage to adjoining terminal	500 V	Max. voltage of clamp support & pluggable system	690 V
Rated DC voltage	500 V	Nominal current	0 A
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3		

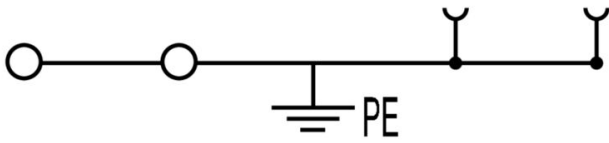
UL rating data

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 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-17
ECLASS 15.0	27-25-01-17		

Drawings



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Accessories

End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	ZAP/TW ZT2.5/4AN/2	Version	
Order No.	1816070000	Z-series, End plate, Partition plate	
GTIN (EAN)	4032248370641		
Qty.	50 ST		
Type	ZAP/TW ZT2.5/4AN/2 OR	Version	
Order No.	1816080000	Z-series, End plate, Partition plate	
GTIN (EAN)	4032248370658		
Qty.	50 ST		

Testadapter and testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	ZTA ZT2.5	Version	
Order No.	1827080000	Accessories, Test adapter, 17.5 A	
GTIN (EAN)	4032248411276		
Qty.	25 ST		
Type	ZTA ZT2.5/ZA	Version	
Order No.	1847600000	Accessories, Test adapter, 17.5 A	
GTIN (EAN)	4032248412679		
Qty.	25 ST		

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Accessories

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.	1816130000	Z-series, Locking clips, yellow, 3.9 mm
GTIN (EAN)	4032248370702	
Qty.	25 ST	
Type	ZVR ZPS2.5	Version
Order No.	1878620000	Z-series, Locking clips, yellow, 15 mm
GTIN (EAN)	4032248471591	
Qty.	20 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	
Type	ZZE ZP2.5/4	Version
Order No.	1866220000	Z-series, Strain relief, yellow, 19.9 mm
GTIN (EAN)	4032248480845	
Qty.	25 ST	
Type	ZVLA SC ZPS2.5	Version
Order No.	1866240000	Z-series, Plug-in modular terminals, yellow, 15 mm
GTIN (EAN)	4032248513376	
Qty.	20 ST	
Type	ZVLA DF CL ZPS2.5	Version
Order No.	1878610000	Z-series, Plug-in modular terminals, yellow
GTIN (EAN)	4032248471584	
Qty.	20 ST	
Type	ZVLA RC ZPS2.5	Version
Order No.	1866260000	Z-series, Plug-in modular terminals, yellow, 8.8 mm
GTIN (EAN)	4032248524754	
Qty.	20 ST	
Type	ZVLA1 ZPS2.5	Version
Order No.	1866250000	Z-series, Plug-in modular terminals, yellow, 8.8 mm
GTIN (EAN)	4032248524761	
Qty.	20 ST	
Type	ZAD ZT/ZPS2.5	Version
Order No.	1861030000	Z-series, Cover plate, yellow, 4.2 mm
GTIN (EAN)	4032248418428	
Qty.	25 ST	

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Accessories

Type	ZP 2.5/1AN/QV/1	Version
Order No.	1815190000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248370061	
Qty.	50 ST	
Type	ZP 2.5/1AN/QV/1 GN	Version
Order No.	1820570000	Z-series, Plug-in connector, green, Direct mounting
GTIN (EAN)	4032248370078	
Qty.	50 ST	
Type	ZP 2.5/1AN/QV/2	Version
Order No.	1815200000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248370085	
Qty.	25 ST	
Type	ZP 2.5/1AN/QV/3	Version
Order No.	1815210000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248370092	
Qty.	25 ST	
Type	ZP 2.5/1AN/QV/4	Version
Order No.	1815220000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248370108	
Qty.	25 ST	
Type	ZP 2.5/1AN/QV/5	Version
Order No.	1815230000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248342518	
Qty.	25 ST	
Type	ZP 2.5/1AN/QV/6	Version
Order No.	1815240000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248342525	
Qty.	25 ST	
Type	ZP 2.5/1AN/QV/7	Version
Order No.	1815250000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248342532	
Qty.	25 ST	
Type	ZP 2.5/1AN/QV/8	Version
Order No.	1815260000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248342549	
Qty.	20 ST	
Type	ZP 2.5/1AN/QV/9	Version
Order No.	1815270000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248342556	
Qty.	20 ST	
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	
Type	ZP 2.5/1AN/QV/11	Version
Order No.	1815290000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248342570	
Qty.	20 ST	
Type	ZP 2.5/1AN/QV/12	Version
Order No.	1815300000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248342587	
Qty.	20 ST	

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Accessories

Type	ZP 2.5/1AN/QV/13	Version
Order No.	1815310000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248370115	
Qty.	10 ST	
Type	ZP 2.5/1AN/QV/14	Version
Order No.	1815320000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248370122	
Qty.	10 ST	
Type	ZP 2.5/1AN/QV/15	Version
Order No.	1815330000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248370139	
Qty.	10 ST	
Type	ZP 2.5/1AN/QV/16	Version
Order No.	1815340000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248370146	
Qty.	10 ST	
Type	ZP 2.5/1AN/QV/17	Version
Order No.	1815350000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248370153	
Qty.	10 ST	
Type	ZP 2.5/1AN/QV/20	Version
Order No.	1815380000	Rail components, Plug-in connector
GTIN (EAN)	4032248370184	
Qty.	10 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.	1609810000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190456597	Weidmueller, To customer specification
Qty.	200 ST	

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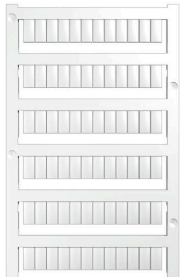
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Accessories

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 10/5 M MC NE WS	Version
Order No.	1792000000	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.	1635000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190261948	Allen-Bradley, white
Qty.	720 ST	
Type	WS 10/15 MC NE WS	Version
Order No.	1854090000	WS, Terminal marker, 10 x 15 mm, Pitch in mm (P): 15.00
GTIN (EAN)	4032248390694	Weidmueller, Allen-Bradley, white
Qty.	240 ST	
Type	ZS 10/5 MC NE WS	Version
Order No.	1610000000	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 snapped 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	

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Accessories

Type	BZT 1 ZA WS 10/5	Version	
Order No.	1805520000	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.	2749610000	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade	
GTIN (EAN)	4050118896350	thickness (A): 0.6 mm	
Qty.	1 ST		