ZT 2.5/2AN/1 BL

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 mm², Tension-clamp connection
Order No.	1295550000
Type	ZT 2.5/2AN/1 BL
GTIN (EAN)	4050118091953
Qty.	50 items

ZT 2.5/2AN/1 BL

Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	34.5 mm	Depth (inches)	1.3583 inch
Depth including DIN rail	35 mm	Height	58 mm
Height (inches)	2.2835 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	6.46 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	blue
UL 94 flammability rating	V-0		

System specifications

Version	1 tension-clamp connection - 1 plug-in connection, pluggable	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
Mounting rail	TS 35	PE function	No

Additional technical data

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

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm²	Connection type, additional connection	pluggable

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A2
Wire connection cross section AWG, max.	AWG 26
Connection direction	top

Creation date 17.03.2026 11:54:01 MEZ

Weidmüller ⅀Ε

Technical data

Stripping length	10 mm		
Type of connection 2	Plug-in connection		
Type of connection	Tension-clamp connection		
Number of connections	2		
Clamping range, max.	4 mm²		
Clamping range, min.	0.13 mm²		
Blade size	0.6 x 3.5 mm		
Wire connection cross section AWG, min.	AWG 30		
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.	4 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		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	0.75 mm²
	Tube length	min.	6 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1 mm²
	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm²
	Tube length	min.	8 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	0.5 mm²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	0.75 mm²
	Tube length	nominal	10 mm
	Cross-section for conductor connection	nominal	1 mm²
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	1.5 mm²
	Tube length	min.	10 mm
		max.	12 mm
	Cross-section for conductor connection	nominal	2.5 mm²

Creation date 17.03.2026 11:54:01 MEZ

ZT 2.5/2AN/1 BL

Technical data

General

Wire connection cross section AWG, max.	AWG 26	Wire connection cross section AWG, min.	AWG 30
Mounting rail	TS 35		

Rating data

Rated cross-section	2.5 mm²	Rated voltage	500 V
Max. voltage of clamp support & pluggable system	690 V	Rated DC voltage	500 V
Nominal current	24 A	Current at maximum wires	24 A
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

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		
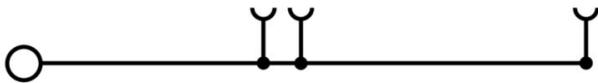
ZT 2.5/2AN/1 BL

Drawings

ZT 2.5/2AN/1 BL

Accessories

Cross-connections

The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	ZQV 2.5N/2 GE	Version
Order No.	1693800000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883621	
Qty.	60 ST	
Type	ZQV 2.5N/3 GE	Version
Order No.	1693810000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883645	
Qty.	60 ST	
Type	ZQV 2.5N/4 GE	Version
Order No.	1693820000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883652	
Qty.	60 ST	
Type	ZQV 2.5N/5 GE	Version
Order No.	1693830000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883669	
Qty.	20 ST	
Type	ZQV 2.5N/6 GE	Version
Order No.	1693840000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883676	
Qty.	20 ST	
Type	ZQV 2.5N/7 GE	Version
Order No.	1693850000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883683	
Qty.	20 ST	
Type	ZQV 2.5N/8 GE	Version
Order No.	1693860000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883690	
Qty.	20 ST	
Type	ZQV 2.5N/9 GE	Version
Order No.	1693870000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883706	
Qty.	20 ST	
Type	ZQV 2.5N/10 GE	Version
Order No.	1693880000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883720	
Qty.	20 ST	
Type	ZQV 2.5N/20 GE	Version
Order No.	1909000000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4032248535613	
Qty.	20 ST	

Creation date 17.03.2026 11:54:01 MEZ

ZT 2.5/2AN/1 BL

Accessories

Type	ZQV 2.5N/50 GE	Version	
Order No.	1693890000	W-Series, Cross-connector, 24 A	
GTIN (EAN)	4008190883737		
Qty.	5 ST		

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 ZT2.5/2AN	Version	
Order No.	1816030000	Z-series, End plate, Partition plate	
GTIN (EAN)	4032248370603		
Qty.	50 ST		
Type	ZAP/TW ZT2.5/2AN OR	Version	
Order No.	1816040000	Z-series, End plate, Partition plate	
GTIN (EAN)	4032248370610		
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		

ZT 2.5/2AN/1 BL

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	KOSF ZT2.5	Version	
Order No.	1816150000	Z-series, Coding element, yellow, 2.9 mm	
GTIN (EAN)	4032248370726		
Qty.	50 ST		

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		

Creation date 17.03.2026 11:54:01 MEZ

ZT 2.5/2AN/1 BL

Accessories

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		
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		

Accessories

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		

Blank
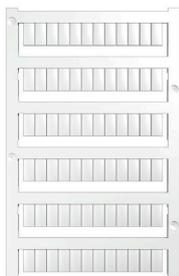
WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text.
WS markers are ideal for labels with long, 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

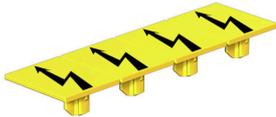| Type	WS 10/5 MC NE WS	Version	
Order No.	1635000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,	
GTIN (EAN)	4008190261948	Allen-Bradley, white	
Qty.	720 ST		
Type	ZS 10/5 MC NE WS	Version	
Order No.	1610000000	ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,	
GTIN (EAN)	4008190263171	Allen-Bradley, white	
Qty.	480 ST		

Weidmüller ⊃⊏

Accessories

Warning cover

Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

Type	ZAD 9/4	Version	
Order No.	1934160000	Z-series, Cover	
GTIN (EAN)	4032248590247		
Qty.	20 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	ZZE ZP2.5/4/K	Version	
Order No.	1059110000	Z-series, Strain relief	
GTIN (EAN)	4032248840922		
Qty.	25 ST		
Type	WP 2.5/1AN/1	Version	
Order No.	1305270000	Plug (terminal), Screw connection, 2.5 mm², 24 A, 500 V, Number of	
GTIN (EAN)	4050118104547	connections: 1, Number of poles: 1, Width: 6.1 mm	
Qty.	50 ST		
Type	WP 2.5/1AN/10	Version	
Order No.	1305280000	Plug (terminal), Screw connection, 2.5 mm², 24 A, 500 V, Number of	
GTIN (EAN)	4050118104530	connections: 10, Number of poles: 10, Width: 52 mm	
Qty.	50 ST		

Creation date 17.03.2026 11:54:01 MEZ

Accessories

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		

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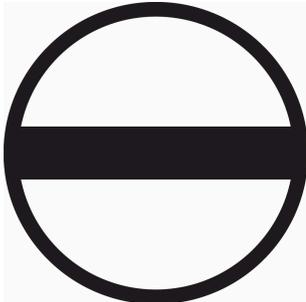
VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

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		