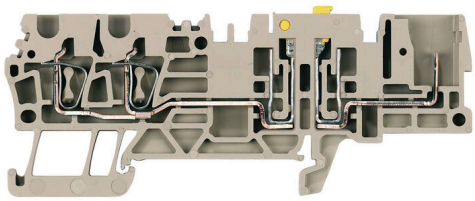
Data sheet

ZTTR 2.5

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, Test-disconnect terminal, Rated cross-section: 2.5 mm², Tension-clamp connection, dark beige
Order No.	1865510000
Type	ZTTR 2.5
GTIN (EAN)	4032248434466
Qty.	50 items

Data sheet

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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 mm	Depth (inches)	1.4173 inch
Depth including DIN rail	36.5 mm	Height	87 mm
Height (inches)	3.4252 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	10.03 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	2 tension-clamp connections - 1 plug-in connection, pluggable, for plug-in cross-connector, Spacer	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	3	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35

Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	12 AWG	Certificate No. (CSA)	200039-1720292
Voltage size B (CSA)	300 V	Current size B (CSA)	16 A
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Tension-clamp connection

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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	top
Stripping length	10 mm
Type of connection 2	Tension-clamp connection
Type of connection	Tension-clamp connection
Number of connections	3
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 26
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
Connection cross-section, finely stranded, min.	0.13 mm²

Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	nominal	0.5 mm²
	Cross-section for conductor connection	nominal	0.75 mm²
	Cross-section for conductor connection	nominal	1 mm²
	Cross-section for conductor connection	nominal	1.5 mm²
	Cross-section for conductor connection	nominal	2.5 mm²
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.5 mm²
	Cross-section for conductor connection	nominal	0.75 mm²
	Cross-section for conductor connection	nominal	1 mm²
	Cross-section for conductor connection	nominal	1.5 mm²
	Cross-section for conductor connection	nominal	2.5 mm²

Dimensions

TS 35 offset	41 mm

General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 61984, In accordance with IEC 60947-7-1	Mounting rail	TS 35

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Technical data

Rating data

Rated cross-section	2.5 mm²	Rated voltage	400 V
Rated DC voltage	400 V	Nominal current	16 A
Current at maximum wires	18 A	Standards	IEC 61984, 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	Surge voltage category	III
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
Voltage size C (cURus)	600 V	Current size C (cURus)	16 A
Conductor size Field wiring max. (cURus)	12 AWG		

Classifications

ETIM 8.0	EC000902	ETIM 9.0	EC000902
ETIM 10.0	EC000902	ECLASS 14.0	27-25-01-09
ECLASS 15.0	27-25-01-09		

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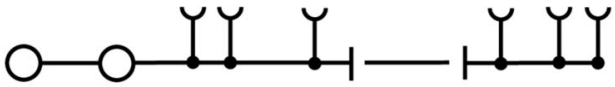
Drawings



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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/20 GE	Version
Order No.	1909000000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4032248535613	
Qty.	20 ST	

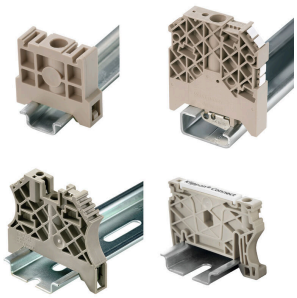
End plates and partition plates

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 ZTTR2.5	Version
Order No.	1865520000	Z-series, End plate, Partition plate
GTIN (EAN)	4032248434473	
Qty.	50 ST	

End bracket



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	ZEW 35	Version
Order No.	9540000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 °C
GTIN (EAN)	4008190956264	
Qty.	20 ST	

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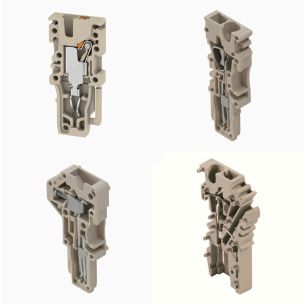
Accessories

Type	ZEW 35/2	Version
Order No.	8630740000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4032248348916	
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	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	
Type	ZZE ZP2.5/4	Version
Order No.	1866220000	Z-series, Strain relief, yellow, 19.9 mm
GTIN (EAN)	4032248480845	
Qty.	25 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	PS 2.3 RT	Version
Order No.	0180400000	Test adapter (terminal), 230 V, 20 mA
GTIN (EAN)	4008190060121	
Qty.	20 ST	

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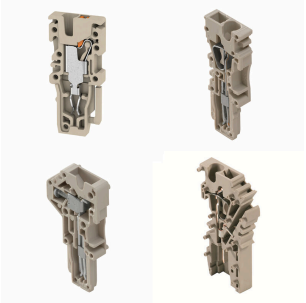
Accessories

Plugs



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General ordering data

Type	ZP 2.5/1AN	Version
Order No.	1875150000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248465163	
Qty.	50 ST	
Type	ZP 2.5/1AN GN	Version
Order No.	1875180000	Z-series, Plug-in connector, Direct mounting
GTIN (EAN)	4032248500260	
Qty.	50 ST	
Type	ZP 2.5/1AN ZA	Version
Order No.	1875190000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248500253	
Qty.	50 ST	
Type	ZP 2.5/1AN ZA GN	Version
Order No.	1875200000	Z-series, Plug-in connector, Direct mounting
GTIN (EAN)	4032248501038	
Qty.	50 ST	
Type	ZP 2.5/1AN ZA O.RA	Version
Order No.	1875210000	Z-series, Plug-in connector, dark beige, Direct mounting
GTIN (EAN)	4032248500277	
Qty.	50 ST	
Type	ZP 2.5/1AN ZA O.RA GN	Version
Order No.	1875220000	Z-series, Plug-in connector, Direct mounting
GTIN (EAN)	4032248501045	
Qty.	50 ST	

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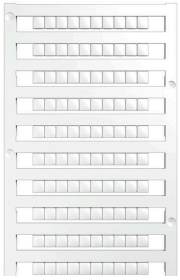
Accessories

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.

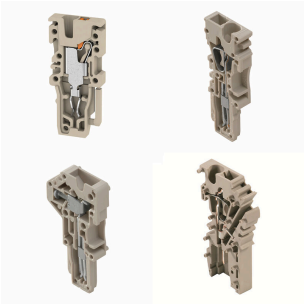
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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	

Plugs



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General ordering data

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	

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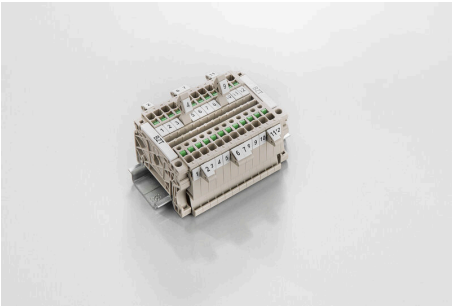
Accessories

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	