

**Z-series**  
**ZDU 2.5/3AN BL****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

Terminal blocks in tension clamp system and the Z Series are specially customised to the customers' requirements. Less space, spacious labelling area, integrated test point, cross-connection functionality within the Z Series and another family of terminals by Weidmüller. Z-Series terminals have a large clamping range and one or two cross-connection slots. Plug-in standard cross-connections enable potentials to be distributed over any number of terminals.

**General ordering data**

Type	ZDU 2.5/3AN BL
Order No.	<a href="#">1608550000</a>
Version	Z-series, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension clamp connection, Wemid, Blue
GTIN (EAN)	4008190077310
Qty.	100 pc(s).

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**Technical data**
**Dimensions and weights**

Length	64.5 mm	Width	5.1 mm
Height	38.5 mm	Height of lowest version	39.5 mm
Net weight	9.23 g		

**Temperatures**

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

**Rated data IECEx/ATEX**

Certificate No. (ATEX)	KEMA97ATEX2521U	ATEX certificate	KEMA97ATEX2521U_d.pdf
ATEX certificate	KEMA97ATEX2521U_e.pdf	IEC Ex certificate	IECEXULD05.0009U_e.pdf
Max. voltage (ATEX)	550 V	Current (ATEX)	21 A
Wire cross section max. (ATEX)	2.5 mm <sup>2</sup>	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Marking ATEX Directive 94/9/EC	II 2 G D		Ex e II

**Additional technical data**

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on
Version	Tension-clamp connection, for plug-in cross-connector, One end without connector		

**CSA ratings data**

Certificate No. (CSA)	200039-1152892	Voltage size B (CSA)	600 V
Voltage size C (CSA)	600 V	Voltage size D (CSA)	600 V
Current size B (CSA)	27 A	Current size C (CSA)	27 A
Current size D (CSA)	5 A	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

**Clampable wires (additional connection)**

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>
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**Technical data****Clampable wires (rated connection)**

Type of connection	Tension clamp connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Connection direction	top
Number of connections	3	Clamping range, rated connection, min.	0.05 mm <sup>2</sup>
Clamping range, rated connection, max.	4 mm <sup>2</sup>	Gauge to IEC 60947-1	A3
Wire connection cross section, solid core, max. rated connection	0.5 mm <sup>2</sup>	Wire connection cross section, solid core max. rated connection	4 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm <sup>2</sup>
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 12

**Rated data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	24 A
Current at maximum wires	31 A	Standards	IEC 60947-7-1
Pollution severity	3		

**UL ratings data**

Certificate No. (UR)	E60693	Voltage size C (UR)	600 V
Current size C (UR)	25 A	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	30 AWG	Conductor size Field wiring max. (UR)	12 AWG

**Material data**

Insulating material	Wemid	Material	Wemid
Colour	Blue	UL 94 flammability rating	V-0

**System specifications**

Product family	Z-series	Type of connection	Tension clamp connection
Connection direction	top	Number of levels	1
Number of connections	3	No. of clamping points per level	3
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	Yes		

**Classifications**

ETIM 3.0	EC000897	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-20	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20		

**Product information**

Descriptive text ordering data      Rated voltage is reduced to 400 V when using the cross-connector.

**Data sheet**

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**Technical data**

**Approvals**

Approvals



ROHS

Conform

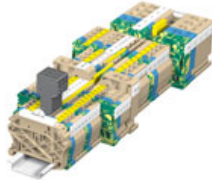
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**Accessories**

**Cross-connection**

A plug-in cross-connection system (ZQV) is available for all modular terminals of the P-series.



**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 2.5/20	<a href="#">1908960000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 20	4032248535293	20 pc(s).

**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 laser printer, PrintJet ADVANCED, plotter or MC-Mobilo is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WS 10/5 MC M NE WS	<a href="#">1792000000</a>	Terminal markers, MultiCard, 10 x 5 mm, Polyamide 66, Colour: White	4032248223862	720 pc(s).
WS 10/5 MC NE WS	<a href="#">1635000000</a>	Terminal markers, MultiCard, 10 x 5 mm, Polyamide 66, Colour: White	4008190261948	720 pc(s).

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- Can be fitted in strips or individually
- Markers in proven MultiCard format

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WS 10/15	<a href="#">1854090000</a>	Terminal markers,	4032248390694	240 pc(s).
MC NE WS		MultiCard, 10 x 15 mm, Polyamide 66, Colour: White		

**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 large range of ready-printed markers.

Strips for fast installation in one work step. The printing is easy to read, rich in contrast, and is available in five widths.

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

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC	<a href="#">1609810000</a>	Terminal markers,	4008190456597	200 pc(s).
SDR		MultiCard, 5 x 5 mm, Polyamide 66, Colour: To customer specification		

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**Accessories**
**ZAP/TW 2**


Weidmüller offers users of modular terminals of the Z-Series a comprehensive range of accessories that render possible appropriate solutions for all - even non-standard - tasks.

The accessories must comply with the same quality standards as the modular terminals themselves.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
ZAP/TW 2 DB	<a href="#">1608770000</a>	Z-series, Accessories, End plate, Partition plate	4008190190880	50 pc(s).
ZAP/TW 2 GN	<a href="#">1683760000</a>	Z-series, End plate, Partition plate	4008190477257	50 pc(s).
ZAP/TW 2 BL	<a href="#">1608780000</a>	Z-series, End plate, Partition plate	4008190190897	50 pc(s).
ZAP/TW 2 OR	<a href="#">1608790000</a>	Z-series, End plate, Partition plate	4008190190903	50 pc(s).

**ZQV 2.5**


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The accessories must comply with the same quality standards as the modular terminals themselves.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 2.5/7	<a href="#">1608910000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 7	4008190159665	20 pc(s).
ZQV 2.5/2	<a href="#">1608860000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 2	4008190123680	60 pc(s).
ZQV 2.5/3	<a href="#">1608870000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 3	4008190061630	60 pc(s).
ZQV 2.5/9	<a href="#">1608930000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 9	4008190117009	20 pc(s).
ZQV 2.5/6	<a href="#">1608900000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 6	4008190149840	20 pc(s).

## Data sheet

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## Accessories

ZQV 2.5/8	<a href="#">1608920000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 8	4008190061531 20 pc(s).
ZQV 2.5/50	<a href="#">1697540000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 50	4008190883256 10 pc(s).
ZQV 2.5/5	<a href="#">1608890000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 5	4008190065713 20 pc(s).
ZQV 2.5/4	<a href="#">1608880000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 4	4008190082208 60 pc(s).
ZQV 2.5/10	<a href="#">1608940000</a>	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 10	4008190099060 20 pc(s).

## Blank



ZS markers - in proven MultiCard-format - have been developed specifically for the Z-series. They have a large printing area. The hinged mechanism even allows access to cross-connectors without dismantling. Quick installation is guaranteed by the fact that the single tags are clipped on in strips. The single tags are easy to separate.

- Hinged marker area
- Can be fitted in strips or individually
- Markers in proven MultiCard format

## General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZS 10/5 MC NE WS	<a href="#">1610000000</a>	Terminal markers, MultiCard, 10 x 5 mm, Polyamide 66, Colour: White	4008190263171	480 pc(s).

## Test plugs



The solution with Weidmüller test plugs and sockets guarantees a proper test of the installation.

## General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
PS 2.3 RT	<a href="#">0180400000</a>	Accessories, Test plug	4008190060121	20 pc(s).



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**Accessories**

**ZTA 1**



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**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
ZTA 1/ZA	<a href="#">1609050000</a>	Test adapter, Rated control voltage:	4008190206543	25 pc(s).
ZTA 1	<a href="#">1609040000</a>	Test adapter, Rated control voltage:	4008190196851	25 pc(s).

**Screwdrivers**



**Always the right tools:**

Weidmüller screwdrivers are the result of a consistent grip concept which takes into account both the human hand and the different requirements when working. The right blade for every screw - with four different handle sizes

The advantages are obvious:

- User-friendly: ergonomic handle arrangement for effortless working progress
- Optimised connections: compatible blade and perfect handle size for maximum torque
- Reliable: even easier operation for even quicker wiring

The result: efficient, professional working progress.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
SDS 0.6X3.5X100	<a href="#">9008330000</a>	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm	4032248056286	1 pc(s).

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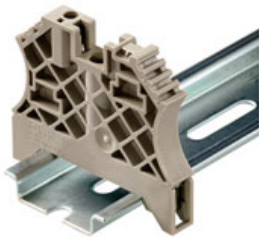
**Accessories**
**ZAD**


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**General ordering data**

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

**for TS 35 terminal rail**


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	Order No.	Version	GTIN (EAN)	Qty.
EW 35 GR 7032	<a href="#">0383530000</a>	Accessories, End bracket	4008190027322	50 pc(s).
ZEW 35/2	<a href="#">8630740000</a>	Accessories, End bracket	4032248348916	20 pc(s).
EW 35	<a href="#">0383560000</a>	Accessories, End bracket	4008190181314	50 pc(s).
ZEW 35	<a href="#">9540000000</a>	Accessories, End bracket	4008190956264	20 pc(s).
WEW 35/2	<a href="#">1061200000</a>	Accessories, End bracket	4008190030230	100 pc(s).
WEW 35/1	<a href="#">1059000000</a>	Accessories, End bracket	4008190172282	50 pc(s).
EW 35/ SCHA/M3	<a href="#">0258660000</a>	Accessories, End bracket	4008190033477	20 pc(s).