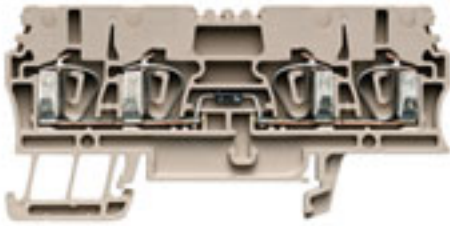


**Z-series  
ZDU 2.5/2X2AN/D-**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 1429-0  
Fax: +49 5231 14292083  
www.weidmueller.com

**Spring connection with tension clamp Technology**

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

**General ordering data**

Type	ZDU 2.5/2X2AN/D-
Order No.	<a href="#">1650350000</a>
Version	Z-series, Component terminal, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Tension clamp connection, Beige
GTIN (EAN)	4008190297404
Qty.	20 pc(s).

**Z-series**  
**ZDU 2.5/2X2AN/D-**

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

Width	5.1 mm	Width (inches)	0.201 inch
Height	79.5 mm	Height (inches)	3.13 inch
Depth	38.5 mm	Depth (inches)	1.516 inch
Depth including DIN rail	39.5 mm	Net weight	13.5 g

**Temperatures**

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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**Material data**

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

**System specifications**

Version	Tension-clamp connection, with diode, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
No. of clamping points per level	4	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

**Additional technical data**

Electronic component	Diode	Explosion-tested version	Yes
Open sides	right	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 mm<sup>2</sup>

**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, rated connection, max.	4 mm <sup>2</sup>
Clamping range, rated connection, min.	0.5 mm <sup>2</sup>	Connection direction	top
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	1.5 mm <sup>2</sup>	Gauge to IEC 60947-1	A3
Number of connections	4	Stripping length	10 mm
Type of connection	Tension clamp connection	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 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, max.	4 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	4 mm <sup>2</sup>	Wire connection cross section, solid core, min. rated connection	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, finely stranded, min.	0.5 mm <sup>2</sup>

Creation date December 31, 2017 7:32:51 PM CET

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**Technical data****Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	400 V
Rated current	1 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	2.66 mΩ	Rated impulse withstand voltage	6 kV
Pollution severity	3		

**Classifications**

ETIM 3.0	EC000903	ETIM 4.0	EC000903
ETIM 5.0	EC000903	ETIM 6.0	EC000903
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-27
eClass 6.2	27-14-11-27	eClass 7.1	27-14-11-27
eClass 8.1	27-14-11-27	eClass 9.0	27-14-11-27
eClass 9.1	27-14-11-47		

**Product information**

Descriptive text ordering data      Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A

**Approvals**

Approvals



ROHS      Conform

**Downloads**

Approval/Certificate/Document of Conformity      [DE\\_PT1181\\_20160418\\_1192\\_ISSUE01.pdf](#)  
 Brochure/Catalogue      [CAT 1 TERM 16/17 EN](#)  
 Engineering Data      [EPLAN\\_WSCAD](#)

**Safety note**

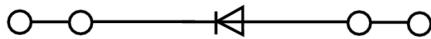
Safety notice      [Safety Information](#)

**Data sheet**

**Z-series**  
**ZDU 2.5/2X2AN/D-**

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**Drawings**



## Z-series ZDU 2.5/2X2AN/D-

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# Accessories

## Test adapter



### Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
TA 1	<a href="#">0535860000</a>	SAK Series, Test adapter	400819011191520	20 pc(s).

## Group tag holders for S10



The various terminal markers from Weidmüller enable users to solve virtually every labelling task on all types of lines. Whether several lines of labelling, ready-to-use markers with standard printing, or individual labelling, whether white or coloured markers or common designations at the clamping points, the comprehensive range of products represent the easy, quick and clear answer to every marking task.

### General ordering data

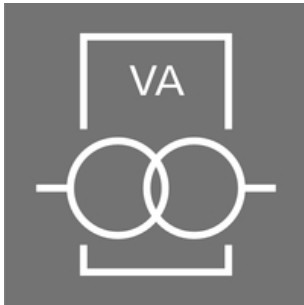
Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
Discontinued	2014-01-01T00:00:00+01:00	WT 4 F.S10	<a href="#">1341060000</a>	Group marker, Terminal marker, 4.5 x 5 mm, Pitch in mm (P): 5.00 White	4008190163648	100 pc(s).
Discontinued	2015-09-12T00:00:00+02:00	WT 6 F.S10	<a href="#">1058960000</a>	Group marker, Terminal marker, 4.5 x 5 mm, Pitch in mm (P): 6.00 White	4008190095468	100 pc(s).
Discontinued	2015-07-24T00:00:00+02:00	WT 5 F.S10	<a href="#">1579330000</a>	Group marker, Terminal marker, 4.5 x 5 mm, Pitch in mm (P): 5.00 White	4008190029609	100 pc(s).

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## Accessories

### Test plug



#### Current and voltage transformer wiring

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

#### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
PS 2.0 OR	<a href="#">0293800000</a>	Accessories, Test plug	4008190042356	20 pc(s).
PS 4 F.STB 4	<a href="#">0299600000</a>	Accessories, Test plug	4008190074043	20 pc(s).
PS 2.3 RT	<a href="#">0180400000</a>	Accessories, Test plug	4008190060121	20 pc(s).

### End bracket



#### Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

#### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
EW 35	<a href="#">0383560000</a>	Accessories, End bracket	4008190181314	50 pc(s).
EW 35 GR 7032	<a href="#">0383530000</a>	Accessories, End bracket	4008190027322	50 pc(s).
EW 35/ SCHA/M3	<a href="#">0258660000</a>	Accessories, End bracket	4008190033477	20 pc(s).

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**Accessories**

**End brackets**



**Klippon® Connect with clamping yoke Technology**  
 The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
WEW 35/1	<a href="#">1059000000</a>	W-Series, End bracket	4008190172282	50 pc(s).
WEW 35/2	<a href="#">1061200000</a>	W-Series, End bracket	4008190030230	100 pc(s).

**End brackets**



**Spring connection with tension clamp Technology**  
 Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
ZEW 35/2	<a href="#">8630740000</a>	Z-series, End bracket	4032248348916	20 pc(s).
ZEW 35	<a href="#">9540000000</a>	Z-series, End bracket	4008190956264	20 pc(s).

**Test adapter**



**Spring connection with tension clamp Technology**  
 Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
ZTA 1/ZA	<a href="#">1609050000</a>	Accessories, Test adapter, 9 A	4008190206543	25 pc(s).

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## Accessories

ZTA 1 [1609040000](#) Accessories, Test adapter, 400819019685 1 25 pc(s).  
 9 A

## End plates



**Spring connection with tension clamp Technology**  
 Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZAP/TW 3 GN	<a href="#">1683840000</a>	Z-series, End plate, Seperation plate	400819047756 1 50 pc(s).	
ZAP/TW 3 RT	<a href="#">1683820000</a>	Z-series, End plate, Seperation plate	4008190477547 50 pc(s).	
ZAP/TW 3 GR	<a href="#">1683870000</a>	Z-series, End plate, Seperation plate	4008190477592 50 pc(s).	
ZAP/TW 3 WS	<a href="#">1683880000</a>	Z-series, End plate, Seperation plate	4008190477608 50 pc(s).	
ZAP/TW 3	<a href="#">1608800000</a>	Z-series, Accessories, End plate, Seperation plate	4008190190927 50 pc(s).	
ZAP/TW 3 BL	<a href="#">1608810000</a>	Z-series, End plate, Seperation plate	4008190190934 50 pc(s).	
ZAP/TW 3 OR	<a href="#">1608820000</a>	Z-series, End plate, Seperation plate	4008190190941 50 pc(s).	
ZAP/TW 3 SW	<a href="#">1683890000</a>	Z-series, End plate, Seperation plate	4008190477615 50 pc(s).	

## Covers



**Spring connection with tension clamp Technology**  
 Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

### General ordering data

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



## Z-series ZDU 2.5/2X2AN/D-

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# 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

### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC SDR	<a href="#">1609810000</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, To customer specification	4008190456597	200 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>	ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, White	4008190263171	480 pc(s).

**Data sheet**

**Z-series  
ZDU 2.5/2X2AN/D-**

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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 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 10/15 MC NE WS	<a href="#">1854090000</a>	WS, Terminal marker, 10 x 15 mm, Pitch in mm (P): 15.00 Weidmueller, Allen- Bradley, White	4032248390694	240 pc(s).

**Tools**



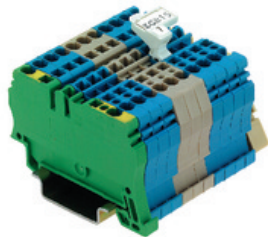
Tools for removing the sheathing of uncut power cables and outgoing feeders, plus screwdrivers for installing FieldPower components.

**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).

**Z-series  
ZDU 2.5/2X2AN/D-**

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**Accessories**
**ZGB pivotable group tag holder**


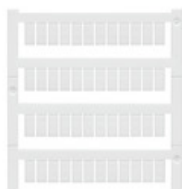
The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.

The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
ZGB 15	<a href="#">1636530000</a>	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 White	4008190297053	20 pc(s).
ZGB 30	<a href="#">1611930000</a>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 White	4008190002251	20 pc(s).
ZGB 30/3.5	<a href="#">1778290000</a>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 3.50 White	4032248161065	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 M MC NE WS	<a href="#">1792000000</a>	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, White	4032248223862	720 pc(s).
WS 10/5 MC NE WS	<a href="#">1635000000</a>	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, White	4008190261948	720 pc(s).

**Z-series  
ZDU 2.5/2X2AN/D-**

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**Accessories**

**Reduction Sleeves**



**Spring connection with tension clamp Technology**

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**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
ZRH 2.5/1 WS	<a href="#">1614300000</a>	Z-series, Reducing sleeve	4008190206789	1,000 pc(s).
ZRH 2.5/3	<a href="#">1614280000</a>	Z-series, Reducing sleeve	4008190206796	1,000 pc(s).
ZRH 2.5/2 GR/V0	<a href="#">1614290000</a>	Z-series, Reducing sleeve	4008190072476	1,000 pc(s).