

**Z-series  
ZDU 4 OR**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Product image****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 4 OR
Order No.	<a href="#">1636830000</a>
Version	Feed-through terminal, Tension-clamp connection, 4 mm <sup>2</sup> , 800 V, 32 A, orange
GTIN (EAN)	4008 190273668
Qty.	100 pc(s).

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

Width	6.1 mm	Width (inches)	0.24 inch
Height	62 mm	Height (inches)	2.441 inch
Depth	43 mm	Depth (inches)	1.693 inch
Depth including DIN rail	43.5 mm	Net weight	11.55 g

**Temperatures**

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	40 °C
Storage temperature, min.	10 °C	Storage temperature	10 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

**Material data**

Material	Wemid	Colour	orange
UL 94 flammability rating	V-0		

**Rating data IECEx/ATEX**

Certificate No. (ATEX)	KEMA97ATEX2521U	Certificate No. (IECEX)	IECEXULD05.0009U
Max. voltage (ATEX)	550 V	Current (ATEX)	28 A
Wire cross section max. (ATEX)	4 mm <sup>2</sup>	Max. voltage (IECEX)	550 V
Current (IECEX)	28 A	Wire cross section max. (IECEX)	4 mm <sup>2</sup>
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

**System specifications**

Version	Tension-clamp connection, for plug-in cross-connector, One end without connector	End cover plate required	Yes
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	Rail	TS 35

**Additional technical data**

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on		

**CSA rating data**

Certificate No. (CSA)	200039-1152892	Current size B (CSA)	35 A
Current size C (CSA)	35 A	Current size D (CSA)	5 A
Voltage size B (CSA)	600 V	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	26 AWG		

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## Technical data

### Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	6 mm <sup>2</sup>
Clamping range, min.	0.13 mm <sup>2</sup>	Connection cross-section, stranded, max.	6 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>	Connection direction	top
Gauge to IEC 60947-1	A4	Number of connections	2
Stripping length	12 mm	Twin wire-end ferrules, max.	1.5 mm <sup>2</sup>
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	6 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	6 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

### Rating data

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	800 V
Rated current	32 A	Current at maximum wires	41 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1 mΩ
Power loss in accordance with IEC 60947-7-x	1.02 W	Rated impulse withstand voltage	8 kV
Pollution severity	3		

### UL rating data

Certificate No. (UR)	E60693	Certificate No. (cURus)	E60693
Conductor size Factory wiring max. (UR)	10 AWG	Conductor size Factory wiring max. (cURus)	10 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Factory wiring min. (cURus)	26 AWG
Conductor size Field wiring max. (UR)	10 AWG	Conductor size Field wiring max. (cURus)	10 AWG
Conductor size Field wiring min. (UR)	26 AWG	Conductor size Field wiring min. (cURus)	26 AWG
Current size B (cURus)	30 A	Current size C (UR)	33 A
Current size C (cURus)	30 A	Voltage size B (cURus)	600 V
Voltage size C (UR)	600 V	Voltage size C (cURus)	600 V

### Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20
eClass 10.0	27-14-11-20	UNSPSC	30-21-18-11

**Data sheet**

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEx Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">CB Test Certificate</a> <a href="#">CB Certificate</a> <a href="#">DE_PT1101_20160418_1252_ISSUE01.pdf</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>
Product Change Notification	<a href="#">PCN ZDU 4 DE</a> <a href="#">PCN ZDU 4 EN</a> <a href="#">PCN - EN</a> <a href="#">PCN - DE</a>
User Documentation	<a href="#">Cross Connection Guide</a> <a href="#">StorageConditionsTerminalBlocks</a>

**Safety note**

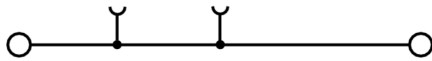
Safety notice	<a href="#">Safety Information</a>
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**Drawings**



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**Accessories**

**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	ZTA 2/ZA ZDU4	Version
Order No.	<a href="#">1609070000</a>	Accessories, Test adapter, 9 A
GTIN (EAN)	4008190466237	
Qty.	25 pc(s).	

Type	ZTA 2 ZDU4	Version
Order No.	<a href="#">1609060000</a>	Accessories, Test adapter, 9 A
GTIN (EAN)	4008190466220	
Qty.	25 pc(s).	

**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**

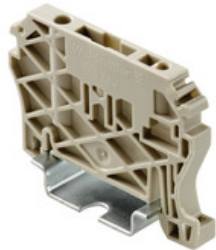
Type	PS 2.3 RT	Version
Order No.	<a href="#">0180400000</a>	Accessories, Test plug
GTIN (EAN)	4008190060121	
Qty.	20 pc(s).	

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**Accessories**

**End brackets**



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**General ordering data**

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

**Reduction Sleeves**



**Spring connection with tension clamp Technology**

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**General ordering data**

Type	ZRH 4/1 WS	Version
Order No.	<a href="#">1636640000</a>	Z-series, Reducing sleeve
GTIN (EAN)	4008190272937	
Qty.	1,000 pc(s).	

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**Accessories****ZQV 4****Spring connection with tension clamp Technology**

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**General ordering data**

Type	ZQV 4/4 GE	Version
Order No.	<a href="#">1608970000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263249	
Qty.	60 pc(s).	
Type	ZQV 4/7 GE	Version
Order No.	<a href="#">1609000000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263270	
Qty.	20 pc(s).	
Type	ZQV 4/20 GE	Version
Order No.	<a href="#">1909010000</a>	Z-series, Cross-connector, For the terminals, Number of poles: 20
GTIN (EAN)	4032248535637	
Qty.	20 pc(s).	
Type	ZQV 4/6 GE	Version
Order No.	<a href="#">1608990000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263263	
Qty.	20 pc(s).	
Type	ZQV 4/9 GE	Version
Order No.	<a href="#">1609020000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263294	
Qty.	20 pc(s).	
Type	ZQV 4/8 GE	Version
Order No.	<a href="#">1609010000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263287	
Qty.	20 pc(s).	
Type	ZQV 4/10 GE	Version
Order No.	<a href="#">1609030000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263300	
Qty.	20 pc(s).	
Type	ZQV 4/2 GE	Version
Order No.	<a href="#">1608950000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263225	
Qty.	60 pc(s).	
Type	ZQV 4/3 GE	Version
Order No.	<a href="#">1608960000</a>	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263232	
Qty.	60 pc(s).	



## Data sheet

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## Accessories

Type	ZQV 4/5 GE	Version	
Order No.	<a href="#">1608980000</a>	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263256		
Qty.	20 pc(s).		

### Slotted screwdriver

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip



### General ordering data

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

### PicoPak



#### PicoPak: the robust one

- Space-saving in the control cabinet thanks to the slim 6 mm width
- Passive isolator, loop-powered at the input and output
- Increased operating temperature range: -40°C ...+70°C
- Zero and Span adjustment possible

### General ordering data

Type	WS 12/6 MC NE WS	Version	
Order No.	<a href="#">1609900000</a>	WS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, Allen-Bradley, white	
GTIN (EAN)	4008190203467		
Qty.	600 pc(s).		

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# Accessories

## Covers



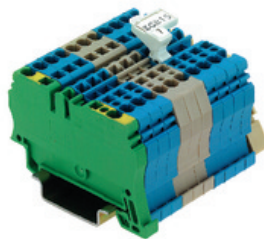
### Spring connection with tension clamp Technology

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### General ordering data

Type	ZAD 2/4	Version
Order No.	<a href="#">1609080000</a>	Z-series, Cover
GTIN (EAN)	4008190263317	
Qty.	20 pc(s).	

## 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	ZGB 15	Version
Order No.	<a href="#">1636530000</a>	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190297053	Weidmueller, white
Qty.	20 pc(s).	
Type	ZGB 30	Version
Order No.	<a href="#">1611930000</a>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190002251	white
Qty.	20 pc(s).	

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**Accessories**

**End plates**



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**General ordering data**

Type	ZAP/TW 4	Version
Order No.	<a href="#">1632090000</a>	Z-series, Accessories, End plate, Separation plate
GTIN (EAN)	4008190263348	
Qty.	50 pc(s).	
Type	ZAP/TW 4 OR	Version
Order No.	<a href="#">1632110000</a>	Z-series, End plate, Separation plate
GTIN (EAN)	4008190263362	
Qty.	50 pc(s).	
Type	ZAP/TW 4 BL	Version
Order No.	<a href="#">1632100000</a>	Z-series, End plate, Separation plate
GTIN (EAN)	4008190263355	
Qty.	50 pc(s).	
Type	ZAP/TW 4 GN	Version
Order No.	<a href="#">1683920000</a>	Z-series, End plate, Separation plate
GTIN (EAN)	4008190477738	
Qty.	50 pc(s).	

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# Accessories

## 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

**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	ZS 12/6 MC NE WS	Version
Order No.	<a href="#">1610020000</a>	ZS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4008190444600	Allen-Bradley, white
Qty.	400 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	EW 35	Version
Order No.	<a href="#">0383560000</a>	Accessories, End bracket
GTIN (EAN)	4008190181314	
Qty.	50 pc(s).	
Type	EW 35 GR 7032	Version
Order No.	<a href="#">0383530000</a>	Accessories, End bracket
GTIN (EAN)	4008190027322	
Qty.	50 pc(s).	
Type	EW 35/SCHA/M3	Version
Order No.	<a href="#">0258660000</a>	Accessories, End bracket
GTIN (EAN)	4008190033477	
Qty.	20 pc(s).	

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# Accessories

## End brackets



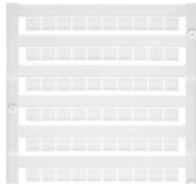
### Klippon® Connect with clamping yoke Technology

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

## 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 5/6 MC SDR	Version
Order No.	<a href="#">1609830000</a>	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190456603	Weidmueller, To customer specification
Qty.	200 pc(s).	