

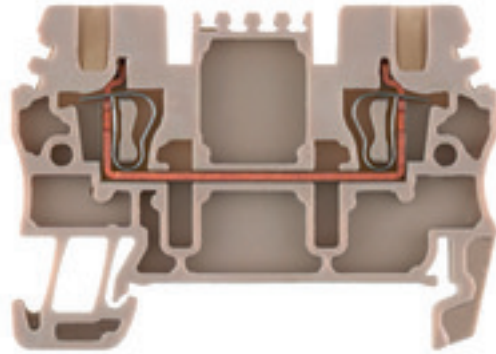
**ZDU 1.5****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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**

Version	Feed-through terminal, Tension-clamp connection, 1.5 mm <sup>2</sup> , 500 V, 17.5 A, dark beige
Order No.	<a href="#">1775480000</a>
Type	ZDU 1.5
GTIN (EAN)	4032248181469
Qty.	100 pc(s).

Creation date January 27, 2022 10:38:56 PM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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

Depth	36.5 mm	Depth (inches)	1.437 inch
Depth including DIN rail	37 mm	Height	51.5 mm
Height (inches)	2.028 inch	Width	3.5 mm
Width (inches)	0.138 inch	Net weight	4.06 g

**Temperatures**

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-50	Continuous operating temp., max.	120

**Material data**

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

**Rating data IECEx/ATEX**

Certificate No. (ATEX)	DEMKO15ATEX1467U	Certificate No. (IECEX)	IECEXULD15.0008U
Max. voltage (ATEX)	550 A	Current (ATEX)	17 A
Wire cross section max. (ATEX)	1.5 mm <sup>2</sup>	Max. voltage (IECEX)	550 V
Current (IECEX)	17 A	Wire cross section max. (IECEX)	1.5 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 2014/34/EU label	II 2 G D		Ex eb II C Gb

**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 C (CSA)	20 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	14 AWG
Wire cross section min. (CSA)	26 AWG		

**Conductors for clamping (rated connection)**

Blade size	0.4 x 2.0 mm
Clamping range, max.	1.5 mm <sup>2</sup>

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## Technical data

Clamping range, min.	0.05 mm <sup>2</sup>			
Connection direction	top			
Gauge to IEC 60947-1	B1			
Number of connections	2			
Stripping length	10 mm			
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	nominal	0.5 mm <sup>2</sup>	
		min.	6 mm	
		max.	10 mm	
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>	
		min.	6 mm	
		max.	12 mm	
	Cross-section for conductor connection	nominal	1 mm <sup>2</sup>	
		min.	6 mm	
		max.	12 mm	
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.5 mm <sup>2</sup>	
		nominal	10 mm	
	Cross-section for conductor connection	nominal	0.75 mm <sup>2</sup>	
		nominal	10 mm	
	Cross-section for conductor connection	nominal	1 mm <sup>2</sup>	
		nominal	10 mm	
	Cross-section for conductor connection	nominal	1.5 mm <sup>2</sup>	
		min.	10 mm	
		max.	12 mm	
	Twin wire-end ferrules, max.	0.75 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 16			
Wire connection cross section AWG, min.	AWG 28			
Wire connection cross section, finely stranded, max.	1.5 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, max.	1.5 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.	1.5 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, solid core, max.	1.5 mm <sup>2</sup>			
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>			

### General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 16
Wire connection cross section AWG, min.	AWG 28		

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

Rated cross-section	1.5 mm <sup>2</sup>	Rated voltage	500 V
Rated current	17.5 A	Current at maximum wires	17.5 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.83 mΩ
Rated impulse withstand voltage	6 kV	Power loss in accordance with IEC 60947-7-x	0.56 W
Pollution severity	3		

**UL rating data**

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	14 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	14 AWG
Conductor size Field wiring min. (UR)	26 AWG	Current size C (UR)	15 A
Voltage size C (UR)	300 V		

**Classifications**

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	E60693

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEx Certificate</a> <a href="#">EAC certificate</a> <a href="#">Lloyds Register Certificate</a> <a href="#">EAC EX Certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">CE Declaration of Conformity</a> <a href="#">CE Declaration of Conformity all terminals</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a> <a href="#">NTI ZDU/ZPE 1.5</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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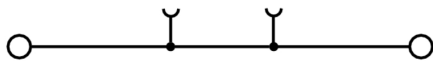
**Data sheet**

**ZDU 1.5**

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**Drawings**



**ZDU 1.5**

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**Accessories**

**W-Series**

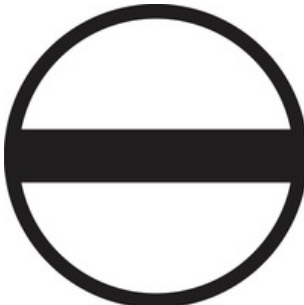


Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

**General ordering data**

Type	WEW 35/2	Version
Order No.	<a href="#">1061200000</a>	W-Series, End bracket
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	
Type	WEW 35/1	Version
Order No.	<a href="#">1059000000</a>	W-Series, End bracket
GTIN (EAN)	4008190172282	
Qty.	50 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 0.4X2.0X60	Version
Order No.	<a href="#">2749260000</a>	Screwdriver, Blade width (B): 2 mm, Blade length: 60 mm, Blade thickness (A): 0.4 mm
GTIN (EAN)	4050118895537	
Qty.	1 pc(s).	

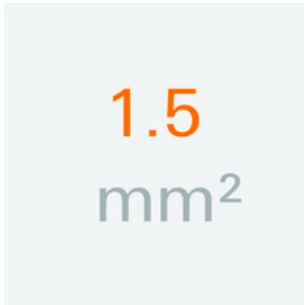
## ZDU 1.5

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# Accessories

## 1.5 mm<sup>2</sup>

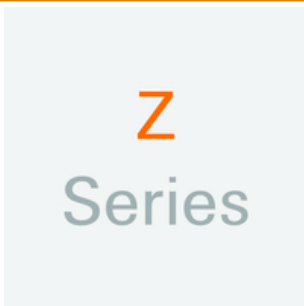


End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

### General ordering data

Type	ZAP/TW ZDU1.5/2AN OR	Version
Order No.	<a href="#">1776050000</a>	Z-series, End plate, Partition plate
GTIN (EAN)	4032248188130	
Qty.	20 pc(s).	
Type	ZAP/TW ZDU1.5/2AN	Version
Order No.	<a href="#">1776030000</a>	Z-series, End plate, Partition plate
GTIN (EAN)	4032248188116	
Qty.	20 pc(s).	
Type	ZAP/TW ZDU1.5/2AN BL	Version
Order No.	<a href="#">1776040000</a>	Z-series, End plate, Partition plate
GTIN (EAN)	4032248188123	
Qty.	20 pc(s).	

## Z-Series



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 7/4	Version
Order No.	<a href="#">1781940000</a>	Z-series, Cover
GTIN (EAN)	4032248193431	
Qty.	20 pc(s).	

**ZDU 1.5**

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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 PrintJet CONNECT oder/or Plotter is possible.

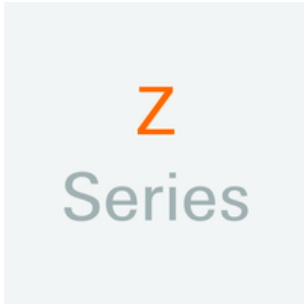
- Can be fitted in strips or individually
- Markers in proven MultiCard format

**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 12/3.5 MC NE WS	Version
Order No.	<a href="#">1778270000</a>	WS, Terminal marker, 12 x 3.5 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4032248161041	Weidmueller, Allen-Bradley, white
Qty.	600 pc(s).	

**Z-Series**



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 5/ZA	Version
Order No.	<a href="#">1776220000</a>	Accessories, Test adapter, 13.5 A
GTIN (EAN)	4032248190683	
Qty.	25 pc(s).	
Type	ZTA 5	Version
Order No.	<a href="#">1776210000</a>	Accessories, Test adapter, 13.5 A
GTIN (EAN)	4032248190676	
Qty.	25 pc(s).	



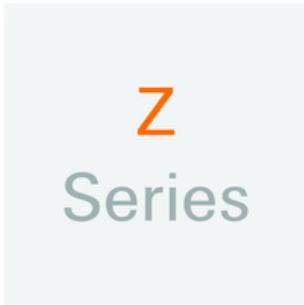
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 Klingenbergstraße 26  
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 Germany

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**Accessories**

**Z-Series**



The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections. Conductors can be reliably inserted into the clamping point without the strands fraying. The use of a reducing sleeve centres the conductor in the entry point.

**General ordering data**

Type	ZRH 1.5S/1	Version	
Order No.	<a href="#">1781950000</a>	Accessories, Reducing sleeve	
GTIN (EAN)	4032248199525		
Qty.	500 pc(s).		

**DEK 5/3.5**



**WS/ DEK**

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

**Your benefits with MultiMark**

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

**General ordering data**

Type	DEK 5/3.5 MM WS	Version	
Order No.	<a href="#">2007100000</a>	Dekafix, Terminal marker, 5 x 3.5 mm, Weidmueller, white	
GTIN (EAN)	4050118391992		
Qty.	1,000 pc(s).		

**ZDU 1.5**

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**Accessories**

**WS 12/3.5**



**WS/ DEK**

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**Your benefits with MultiMark**

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

**General ordering data**

Type	WS 12/3.5 MM WS	Version	
Order No.	<a href="#">2007180000</a>		WS, Terminal marker, 12 x 3.5 mm, Weidmueller, white
GTIN (EAN)	4050118392203		
Qty.	1,000 pc(s).		

## ZDU 1.5

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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.

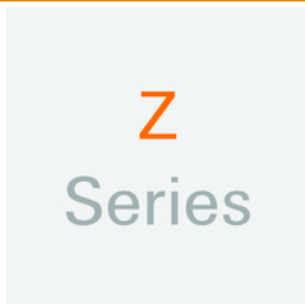
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**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 5/3.5 MC NE WS	Version
Order No.	<a href="#">1755270000</a>	Dekafix, Terminal marker, 5 x 3.5 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4032248017348	Weidmueller, white
Qty.	500 pc(s).	

## Z-Series



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

## ZDU 1.5

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## Accessories

## SAK-Series



## SAK Series

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	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).	

1.5 mm<sup>2</sup>


## 1.5 mm<sup>2</sup>

The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

## General ordering data

Type	ZQV 1.5/3	Version
Order No.	<a href="#">1776130000</a>	Accessories, Cross-connector, 17.5 A
GTIN (EAN)	4032248200153	
Qty.	60 pc(s).	
Type	ZQV 1.5/5	Version
Order No.	<a href="#">1776150000</a>	Accessories, Cross-connector, 17.5 A
GTIN (EAN)	4032248236336	
Qty.	20 pc(s).	
Type	ZQV 1.5/2	Version
Order No.	<a href="#">1776120000</a>	Accessories, Cross-connector, 17.5 A
GTIN (EAN)	4032248200139	
Qty.	60 pc(s).	

**Data sheet****ZDU 1.5**

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**Accessories**

Type	ZQV 1.5/10	Version
Order No.	<a href="#">1776200000</a>	Accessories, Cross-connector, 17.5 A
GTIN (EAN)	4032248200177	
Qty.	20 pc(s).	

Type	ZQV 1.5/4	Version
Order No.	<a href="#">1776140000</a>	Accessories, Cross-connector, 17.5 A
GTIN (EAN)	4032248200160	
Qty.	60 pc(s).	

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