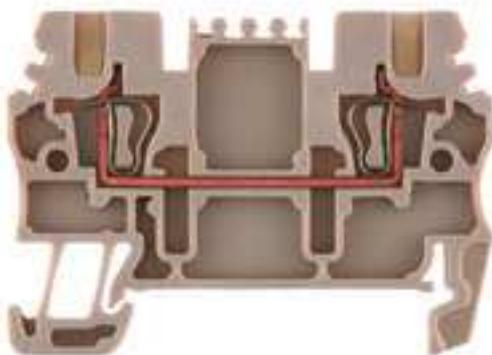


ZDU 1.5

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Feed-through terminal, Tension-clamp connection, 1.5 mm ² , 500 V, 17.5 A, dark beige
Order No.	1775480000
Type	ZDU 1.5
GTIN (EAN)	4032248181469
Qty.	100 pc(s)

ZDU 1.5

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 D-32758 Detmold
 Germany

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

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 ²	Max. voltage (IECEx)	550 V
Current (IECEx)	17 A	Wire cross section max. (IECEx)	1.5 mm ²
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
Number of levels	1	Yes
Number of potentials per tier	1	Number of clamping points per level
PE connection	No	Levels cross-connected internally
		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 ²

Creation date October 11, 2023 8:38:09 AM CEST

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Technical data

Clamping range, min.	0.05 mm ²																											
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	<table border="1"> <tr> <td>Cross-section for conductor connection</td> <td>nominal</td> <td>0.5 mm²</td> </tr> <tr> <td>Tube length</td> <td>max.</td> <td>10 mm</td> </tr> <tr> <td></td> <td>min.</td> <td>6 mm</td> </tr> <tr> <td>Cross-section for conductor connection</td> <td>nominal</td> <td>0.75 mm²</td> </tr> <tr> <td>Tube length</td> <td>max.</td> <td>12 mm</td> </tr> <tr> <td></td> <td>min.</td> <td>6 mm</td> </tr> <tr> <td>Cross-section for conductor connection</td> <td>nominal</td> <td>1 mm²</td> </tr> <tr> <td>Tube length</td> <td>max.</td> <td>12 mm</td> </tr> <tr> <td></td> <td>min.</td> <td>6 mm</td> </tr> </table>	Cross-section for conductor connection	nominal	0.5 mm ²	Tube length	max.	10 mm		min.	6 mm	Cross-section for conductor connection	nominal	0.75 mm ²	Tube length	max.	12 mm		min.	6 mm	Cross-section for conductor connection	nominal	1 mm ²	Tube length	max.	12 mm		min.	6 mm
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Tube length for wire-end ferrule without plastic collar DIN 46228/1	<table border="1"> <tr> <td>Tube length</td> <td>nominal</td> <td>10 mm</td> </tr> <tr> <td>Cross-section for conductor connection</td> <td>nominal</td> <td>0.5 mm²</td> </tr> <tr> <td>Tube length</td> <td>nominal</td> <td>10 mm</td> </tr> <tr> <td>Cross-section for conductor connection</td> <td>nominal</td> <td>0.75 mm²</td> </tr> <tr> <td>Tube length</td> <td>nominal</td> <td>10 mm</td> </tr> <tr> <td>Cross-section for conductor connection</td> <td>nominal</td> <td>1 mm²</td> </tr> <tr> <td>Tube length</td> <td>max.</td> <td>12 mm</td> </tr> <tr> <td></td> <td>min.</td> <td>10 mm</td> </tr> <tr> <td>Cross-section for conductor connection</td> <td>nominal</td> <td>1.5 mm²</td> </tr> </table>	Tube length	nominal	10 mm	Cross-section for conductor connection	nominal	0.5 mm ²	Tube length	nominal	10 mm	Cross-section for conductor connection	nominal	0.75 mm ²	Tube length	nominal	10 mm	Cross-section for conductor connection	nominal	1 mm ²	Tube length	max.	12 mm		min.	10 mm	Cross-section for conductor connection	nominal	1.5 mm ²
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Cross-section for conductor connection	nominal	1.5 mm ²																										
Twin wire-end ferrules, max.	0.75 mm ²																											
Twin wire-end ferrules, min.	0.5 mm ²																											
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 ²																											
Wire connection cross section, finely stranded, min.	0.5 mm ²																											
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 mm ²																											
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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1 mm ²																											
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²																											
Wire connection cross-section, solid core, max.	1.5 mm ²																											
Wire connection cross-section, solid core, min.	0.5 mm ²																											

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		

ZDU 1.5

Weidmüller Interface GmbH & Co. KG
 Klingenbergsstraße 26
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Technical data**Rating data**

Rated cross-section	1.5 mm ²
Rated DC voltage	500 V
Current at maximum wires	17.5 A
Volume resistance according to IEC 60947-7-x	1.83 mΩ
Power loss in accordance with IEC 60947-7-x	0.56 W

Rated voltage	500 V
Rated current	17.5 A
Standards	IEC 60947-7-1
Rated impulse withstand voltage	6 kV
Pollution severity	3

UL rating data

Certificate No. (UR)	E60693
Conductor size Factory wiring min. (UR)	26 AWG
Conductor size Field wiring min. (UR)	26 AWG
Voltage size C (UR)	300 V

Conductor size Factory wiring max. (UR)	14 AWG
Conductor size Field wiring max. (UR)	14 AWG
Current size C (UR)	15 A

Classifications

ETIM 6.0	EC000897
ETIM 8.0	EC000897
ECLASS 9.0	27-14-11-20
ECLASS 10.0	27-14-11-20
ECLASS 12.0	27-14-11-20

ETIM 7.0	EC000897
ETIM 9.0	EC000897
ECLASS 9.1	27-14-11-20
ECLASS 11.0	27-14-11-20
ECLASS 13.0	27250101

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEx Certificate Lloyds Register Certificate CCC Ex Certificate UKCA Ex Certificate CE Declaration of Conformity UKCA declaration of conformity
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Engineering Data	CAD data – STEP
Engineering Data	Zuken E3.S

User Documentation	Storage Conditions TerminalBlocks NTI ZDU/ZPE 1.5
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Catalogues	Catalogues in PDF-format
Brochures	

Creation date October 11, 2023 8:38:09 AM CEST



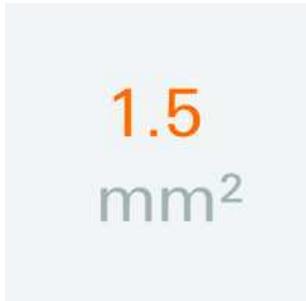
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Accessories

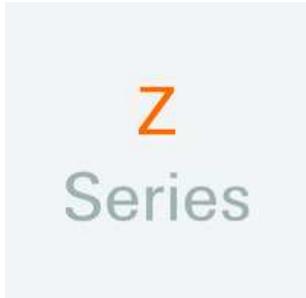
1.5 mm²



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 1.5/10	Version
Order No.	1776200000	Accessories, Cross-connector, 17.5 A
GTIN (EAN)	4032248200177	
Qty.	20 pc(s).	
Type	ZQV 1.5/5	Version
Order No.	1776150000	Accessories, Cross-connector, 17.5 A
GTIN (EAN)	4032248236336	
Qty.	20 pc(s).	
Type	ZQV 1.5/2	Version
Order No.	1776120000	Accessories, Cross-connector, 17.5 A
GTIN (EAN)	4032248200139	
Qty.	60 pc(s).	
Type	ZQV 1.5/3	Version
Order No.	1776130000	Accessories, Cross-connector, 17.5 A
GTIN (EAN)	4032248200153	
Qty.	60 pc(s).	
Type	ZQV 1.5/4	Version
Order No.	1776140000	Accessories, Cross-connector, 17.5 A
GTIN (EAN)	4032248200160	
Qty.	60 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	Version
Order No.	1776210000	Accessories, Test adapter, 13.5 A
GTIN (EAN)	4032248190676	
Qty.	25 pc(s).	

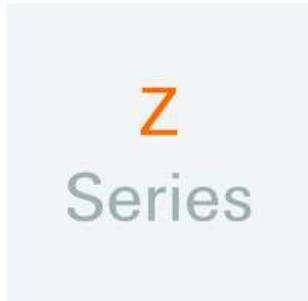
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Accessories

Type	ZTA 5/ZA	Version
Order No.	1776220000	Accessories, Test adapter, 13.5 A
GTIN (EAN)	4032248190683	
Qty.	25 pc(s).	

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.	1781950000	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.	2007100000	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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www.weidmueller.com

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 35/1	Version
Order No.	1059000000	W-Series, End bracket
GTIN (EAN)	4008190172282	
Qty.	50 pc(s).	
Type	WEW 35/2	Version
Order No.	1061200000	W-Series, End bracket
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	

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 snapped 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 pc(s).	
Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	
Type	BZT 2 WS 10/5	Version
Order No.	1805480000	Accessories, Marker holder
GTIN (EAN)	4032248270224	
Qty.	100 pc(s).	

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.	1755270000	Dekafix, Terminal marker, 5 x 3.5 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4032248017348	Weidmüller, white
Qty.	500 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 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.	1778270000	WS, Terminal marker, 12 x 3.5 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4032248161041	Weidmüller, Allen-Bradley, white
Qty.	600 pc(s).	

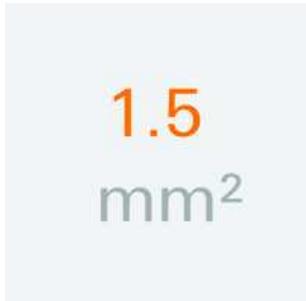
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Accessories

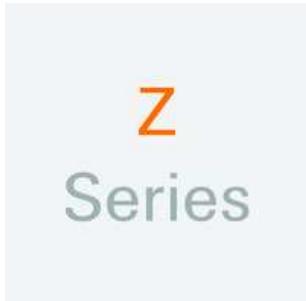
1.5 mm²



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.	1776050000	Z-series, End plate, Partition plate
GTIN (EAN)	4032248188130	
Qty.	20 pc(s).	
Type	ZAP/TW ZDU1.5/2AN	Version
Order No.	1776030000	Z-series, End plate, Partition plate
GTIN (EAN)	4032248188116	
Qty.	20 pc(s).	
Type	ZAP/TW ZDU1.5/2AN BL	Version
Order No.	1776040000	Z-series, End plate, Partition plate
GTIN (EAN)	4032248188123	
Qty.	20 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 35/2	Version
Order No.	8630740000	Z-series, End bracket
GTIN (EAN)	4032248348916	
Qty.	20 pc(s).	
Type	ZEW 35	Version
Order No.	9540000000	Z-series, End bracket
GTIN (EAN)	4008190956264	
Qty.	20 pc(s).	

ZDU 1.5

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Accessories

SAK-Series

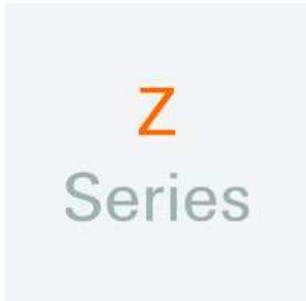


Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

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

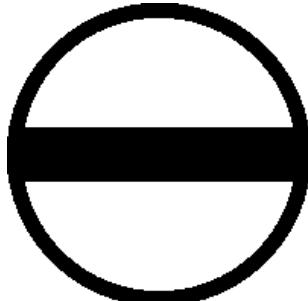
General ordering data

Type	ZAD 7/4	Version
Order No.	1781940000	Z-series, Cover
GTIN (EAN)	4032248193431	
Qty.	20 pc(s).	

ZDU 1.5

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Accessories**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.	2749260000	Screwdriver, Blade width (B): 2 mm, Blade length: 60 mm, Blade
GTIN (EAN)	4050118895537	thickness (A): 0.4 mm
Qty.	10 pc(s).	

WS 12/3.5**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	WS 12/3.5 MM WS	Version
Order No.	2007180000	WS, Terminal marker, 12 x 3.5 mm, Weidmueller, white
GTIN (EAN)	4050118392203	
Qty.	1,000 pc(s).	