

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.

Version	PE terminal, Tension-clamp connection, 10 mm², 1200 A (10 mm²), Green/yellow
Order No.	<u>1767670000</u>
Туре	ZPE 10/3AN
GTIN (EAN)	4032248122769
Qty.	20 pc(s).



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Technical data

-			
Dim	ensions	and	weights

Depth	49.5 mm	Depth (inches)	1.949 inch
Depth including DIN rail	50.5 mm	Height	99 mm
Height (inches)	3.898 inch	Width	10.1 mm
Width (inches)	0.398 inch	Net weight	41.663 g

Temperatures

Storage temperature	-25 °C55 °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	Green/yellow
UL 94 flammability rating	V-0	<u> </u>	

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO15ATEX1467U	Certificate No. (IECEX)	IECEXULD15.0008U
Wire cross section max. (ATEX)	16 mm²	Wire cross section max. (IECEX)	16 mm²
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, With PE connection, One	End cover plate required	
	end without connector		Yes
Number of levels	1	Number of clamping points per level	3
Levels cross-connected internally	No	PE connection	Yes
Rail	TS 35	PE function	Yes
PEN function	Yes		

Additional technical data

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

CSA rating data

Certificate No. (CSA)	200039-1152892	Wire cross section max. (CSA)	6 AWG	
Wire cross section min. (CSA)	16 AWG			



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Technical data

Conductors for clamping (rated connection)

Diada dia	10 5.5	Olamania a manana	10 3
Blade size	1.0 x 5.5 mm	Clamping range, max.	16 mm ²
Clamping range, min.	1.31 mm ²	Connection cross-section, stranded, max.	16 mm²
Connection cross-section, stranded, mir		Connection direction	top
Gauge to IEC 60947-1	A6	Number of connections	3
Stripping length	18 mm	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 16
Wire connection cross section, finely stranded, max.	10 mm²	Wire connection cross section, finely stranded, min.	1.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	10 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm ²
Wire connection cross-section, solid core, max.	16 mm²	Wire connection cross-section, solid core, min.	1.5 mm²
General			
Installation advice	Busbar	Rail	TS 35
Standards	IEC 60947-7-2	Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 16		
PE rating data			
Rated short-time current	1200 A (10 mm²)	PEN function	Yes
Rating data			
Rated cross-section	10 mm²	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.56 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Power loss in accordance with IEC 60947-7-x	1.82 W
Pollution severity	3		
UL rating data			
Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	16 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	16 AWG		
Classifications			
ETIM 6.0	EC000901	ETIM 7.0	EC000901
	F0000004	ECLASS 9.0	27-14-11-41
	EC000901		
ETIM 8.0 ECLASS 9.1 ECLASS 11.0	27-14-11-41 27-14-11-41	ECLASS 10.0	27-14-11-41



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Technical data

Approvals

Approvals











ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of	Attestation of Conformity
Conformity	IECEx Certificate
	CB Test Certificate
	<u>CB Certificate</u>
	EAC certificate
	EAC EX Certificate
	CCC Ex Certificate
	ATEX Certificate
	Declaration of Conformity
	CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Product Change Notification	PCN_ZPE_Q3_2020
	PCN - EN
	PCN - DE
	PCN ZDU10 3AN ZPE10 3AN ATEX IECEx change
User Documentation	<u>StorageConditionsTerminalBlocks</u>
	NTI ZDU/ZPE 10/3AN
	BPZL Z-Series
Catalogues	Catalogues in PDF-format
Brochures	

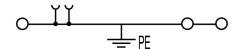


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Drawings





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Accessories

Z-Series

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

Туре	ZEW 35/2	Version
Order No.	<u>8630740000</u>	Z-series, End bracket
GTIN (EAN)	4032248348916	
Qty.	20 pc(s).	
Туре	ZEW 35	Version
Type Order No.	ZEW 35 9540000000	Version Z-series, End bracket

DEK 5/8



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

Туре	DEK 5/8 MM WS	Version
Order No.	2007130000	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012	
Qty.	500 pc(s).	



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Accessories

10 mm²

10 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 10/2
Order No. 1739680000
GTIN (EAN) 4008190957131
Qty. 25 pc(s).

Version

Accessories, Cross-connector, 57 A

10 mm²

10 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.

Туре	ZAP/TW 10/16 BL	Version
Order No.	<u>1768520000</u>	Z-series, End plate, Partition plate
GTIN (EAN)	4032248110421	
Qty.	20 pc(s).	
Туре	ZAP/TW 10/16	Version
Type Order No.	ZAP/TW 10/16 1749580000	Version Z-series, End plate, Partition plate
	' '	



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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 5/5 MC NE WS
 Version

 Order No.
 1609801044
 Dekafix

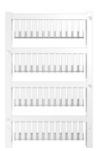
1609801044 Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00

GTIN (EAN) 4008190397111 Weidmueller, white

Qty. 1,000 pc(s).

Blank

Qty.



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

480 pc(s).

 Type
 ZS 15/5 MC NE WS
 Version

 Order No.
 1646630000
 ZS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,

 GTIN (EAN)
 4008190401214
 Allen-Bradley, white



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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

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

Test plugs



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.

Туре	PS 2.3 RT	Version
Order No.	0180400000	Accessories, Test plug
GTIN (EAN)	4008190060121	
Qty.	20 pc(s).	



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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 10/8 PLUS MC NE WS Version

Order No. 1905950000 WS, Terminal marker, 10 x 8 mm, Pitch in mm (P): 8.00 Weidmueller,

GTIN (EAN) 4032248528103 white

Oty. 420 pc(s).

Custom printing



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 10/8 PLUS MC SDR
 Version

 Order No.
 1906030000
 WS, Terminal marker, 10 x 8 mm, Pitch in mm (P): 8.00 Weidmueller,

 GTIN (EAN)
 4032248528196
 To customer specification

 Qty.
 84 pc(s).



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Accessories

Blank



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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

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General ordering data

 Type
 DEK 5/8 MC NE WS
 Version

 Order No.
 1856740000
 Dekafix,

1856740000 Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00

GTIN (EAN) 4032248400850 Weidmueller, white

Qty. 800 pc(s).

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.

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

Туре	ZGB 30	Version
Order No.	<u>1611930000</u>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190002251	Weidmueller, white
Qty.	20 pc(s).	
Туре	ZGB 30/3.5	Version
Order No.	<u>1778290000</u>	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 3.50
GTIN (EAN)	4032248161065	white
Qty.	20 pc(s).	
Туре	ZGB 15	Version
Order No.	1636530000	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190297053	Weidmueller, white
Qty.	20 pc(s).	

Plus



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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.

Туре	DEK 5/8 PLUS MC NE WS	Version
Order No.	1046350000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782055	Weidmueller, white
Qty.	800 pc(s).	



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Accessories

Z-Series

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 4/5
Order No. 1746730000
GTIN (EAN) 4008190996758
Oty. 20 pc(s).

Version Z-series, Cover

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 1.0X5.5X150
Order No. 2749380000
GTIN (EAN) 4050118895605
Oty. 1 pc(s).

Version

Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade

thickness (A): 1 mm



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Accessories

Custom printing



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- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
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General ordering data

Туре	DEK 5/8 PLUS MC SDR	Version
Order No.	1046370000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782079	Weidmueller, To customer specification
Qty.	160 pc(s).	
Туре	DEK 5/8 MC SDR	Version
Type Order No.	DEK 5/8 MC SDR 1856750000	Version Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
• •	,	

STR transparent strips



Туре	STR 7 F.SCHT 7	Version
Order No.	0515300000	Terminal markers, Protective cap, 27 x 6.3 mm, Transparent
GTIN (EAN)	4008190182175	
Qty.	20 pc(s).	

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