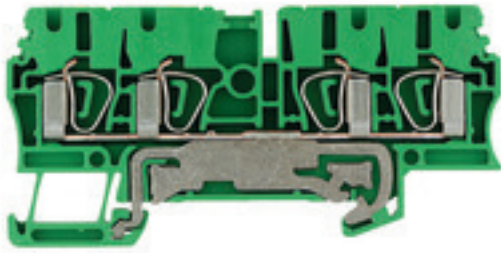


**Z-series
ZPE 2.5/4AN**

Weidmüller Interface GmbH & Co. KG
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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	ZPE 2.5/4AN
Order No.	1608660000
Version	PE terminal, Tension clamp connection, 2.5 mm ² , 300 A (2.5 mm ²), green / yellow
GTIN (EAN)	4008190076290
Qty.	100 pc(s).

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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	15.2 g

Temperatures

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

Material	Wemid	Colour	green / yellow
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA97ATEX2521U	Certificate No. (IECEX)	IECEXULDO5.0009U
Wire cross section max. (ATEX)	2.5 mm ²	Wire cross section max. (IECEX)	2.5 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex e II
Ex 2014/34/EU label	II 2 G D		

System specifications

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

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	Wire cross section max. (CSA)	12 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, rated connection, max.	4 mm ²
Clamping range, rated connection, min.	0.05 mm ²	Connection direction	top
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²	Gauge to IEC 60947-1	A3
Number of connections	4	Stripping length	10 mm
Type of connection	Tension clamp connection	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross section, solid core max. rated connection	4 mm ²	Wire connection cross section, solid core, min. rated connection	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²

PE rating data

Rated short-time current	300 A (2.5 mm ²)	PEN function	No
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Rating data

Rated cross-section	2.5 mm ²	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	30 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	30 AWG		

Classifications

ETIM 3.0	EC000901	ETIM 4.0	EC000491
ETIM 5.0	EC000491	ETIM 6.0	EC000901
UNSPSC	30-21-18-11	eClass 5.1	27-14-03-05
eClass 6.2	27-14-03-05	eClass 7.1	27-14-03-05
eClass 8.1	27-14-11-41	eClass 9.0	27-14-11-41
eClass 9.1	27-14-11-41		

Data sheet

**Z-series
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Technical data

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	CFAT_ZPE 2.5_4AN.pdf DE_PT1102_20160418_1389_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S

Safety note

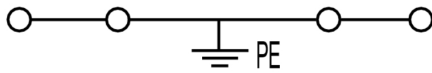
Safety notice [Safety Information](#)

Data sheet

Z-series
ZPE 2.5/4AN

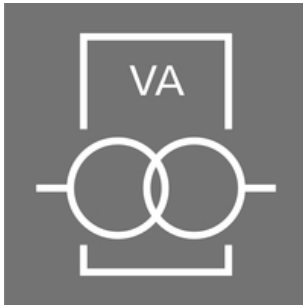
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Drawings



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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 2.3 RT	0180400000	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	0383560000	Accessories, End bracket	4008190181314	50 pc(s).
EW 35 GR 7032	0383530000	Accessories, End bracket	4008190027322	50 pc(s).
EW 35/ SCHA/M3	0258660000	Accessories, End bracket	4008190033477	20 pc(s).

End brackets

Klippon® Connect with clamping yoke Technology

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General ordering data

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

Z-series ZPE 2.5/4AN

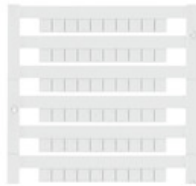
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Accessories

WEW 35/2 [106120000](#)

W-Series, End bracket 4008190030230 100 pc(s).

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC	1609801044	Dekafix, Terminal marker,	4008190397111	1,000 pc(s).
NE WS		5 x 5 mm, Pitch in mm (P):		
		5.00 Weidmueller, White		

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	8630740000	Z-series, End bracket	4032248348916	20 pc(s).
ZEW 35	9540000000	Z-series, End bracket	4008190956264	20 pc(s).

Z-series ZPE 2.5/4AN

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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	Order No.	Version	GTIN (EAN)	Qty.
ZTA 1/ZA	1609050000	Accessories, Test adapter, 9 A	4008190206543	25 pc(s).
ZTA 1	1609040000	Accessories, Test adapter, 9 A	4008190196851	25 pc(s).

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

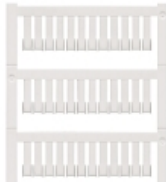
Type	Order No.	Version	GTIN (EAN)	Qty.
ZAP/TW 3 GN	1683840000	Z-series, End plate, Seperation plate	4008190477561	50 pc(s).
ZAP/TW 3 RT	1683820000	Z-series, End plate, Seperation plate	4008190477547	50 pc(s).
ZAP/TW 3 GR	1683870000	Z-series, End plate, Seperation plate	4008190477592	50 pc(s).
ZAP/TW 3 WS	1683880000	Z-series, End plate, Seperation plate	4008190477608	50 pc(s).
ZAP/TW 3	1608800000	Z-series, Accessories, End plate, Seperation plate	4008190190927	50 pc(s).
ZAP/TW 3 BL	1608810000	Z-series, End plate, Seperation plate	4008190190934	50 pc(s).
ZAP/TW 3 OR	1608820000	Z-series, End plate, Seperation plate	4008190190941	50 pc(s).
ZAP/TW 3 SW	1683890000	Z-series, End plate, Seperation plate	4008190477615	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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZS 15/5 MC NE WS	1646630000	ZS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, White	4008190401214480	480 pc(s).

Blank



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

General ordering data

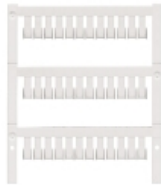
Type	Order No.	Version	GTIN (EAN)	Qty.
ZS 12/6 MC NE WS	1610020000	ZS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, Allen-Bradley, White	4008190444600400	400 pc(s).

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Accessories

Blank



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- 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	1610000000	ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, White	4008190263171	480 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	Order No.	Version	GTIN (EAN)	Qty.
SDS 0.6X3.5X200	9010110000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 200 mm, Blade thickness (A): 0.6 mm	4032248300754	1 pc(s).

Z-series ZPE 2.5/4AN

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Accessories

STR transparent strips



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

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

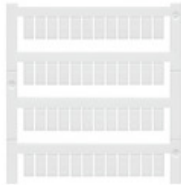
Type	Order No.	Version	GTIN (EAN)	Qty.
ZGB 15	1636530000	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 White	4008190297053 20 pc(s).	
ZGB 30	1611930000	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 White	4008190002251 20 pc(s).	
ZGB 30/3.5	1778290000	Terminal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

Z-series ZPE 2.5/4AN

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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 10/5 M MC NE WS	1792000000	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	1635000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, White	4008190261948	720 pc(s).

Reduction Sleeves



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.
ZRH 2.5/1 WS	1614300000	Z-series, Reducing sleeve	4008190206789	1,000 pc(s).
ZRH 2.5/3	1614280000	Z-series, Reducing sleeve	4008190206796	1,000 pc(s).
ZRH 2.5/2 GR/V0	1614290000	Z-series, Reducing sleeve	4008190072476	1,000 pc(s).