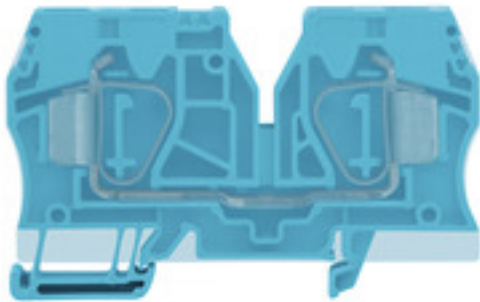


**Z-series
ZEI 16 BL**

Weidmüller Interface GmbH & Co. KG
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Fax: +49 5231 14292083
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	ZEI 16 BL
Order No.	1766240000
Version	Supply terminal, Tension clamp connection, 16 mm ² , 500 V, 76 A, Blue
GTIN (EAN)	4032248064939
Qty.	20 pc(s).

Data sheet

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Technical data

Dimensions and weights

Width	14.7 mm	Width (inches)	0.579 inch
Height	82.5 mm	Height (inches)	3.248 inch
Depth	50.5 mm	Depth (inches)	1.988 inch
Depth including DIN rail	51.5 mm	Net weight	44.19 g

Temperatures

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

Material	Wemid	Colour	Blue
UL 94 flammability rating	V-0		

System specifications

Version	Supply terminal, Tension-clamp connection, for plug-in cross-connector, closed	End cover plate required	No
Number of levels	1	No. of clamping points per level	2
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 35		

Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	closed	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	200039-1152892	Current size B (CSA)	65 A
Current size C (CSA)	65 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)	4 AWG
Wire cross section min. (CSA)	14 AWG		

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Technical data
Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, rated connection, max.	25 mm ²
Clamping range, rated connection, min.	1.5 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.	1.5 mm ²	Gauge to IEC 60947-1	A7
Number of connections	2	Stripping length	18 mm
Type of connection	Tension clamp connection	Wire connection cross section AWG, max.	AWG 4
Wire connection cross section AWG, min.	AWG 14	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	16 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	1.5 mm ²	Wire connection cross section, finely stranded, max.	16 mm ²
Wire connection cross section, solid core max. rated connection	16 mm ²	Wire connection cross section, solid core, min. rated connection	1.5 mm ²
Wire connection cross section, stranded, rated connection, max.	25 mm ²	Wire connection cross section, stranded, rated connection, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	16 mm ²	Wire connection cross-section, finely stranded, min.	1.5 mm ²

Rating data

Rated cross-section	16 mm ²	Rated voltage	500 V
Rated current	76 A	Current at maximum wires	76 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.42 mΩ
Rated impulse withstand voltage	8 kV	Pollution severity	3

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	4 AWG
Conductor size Factory wiring min. (cURus)	14 AWG	Conductor size Field wiring max. (cURus)	4 AWG
Conductor size Field wiring min. (cURus)	14 AWG	Current size C (cURus)	65 A
Voltage size C (cURus)	600 V		

Classifications

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-20
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

Product information

Descriptive text ordering data	Integrated end plate.
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Data sheet**Z-series
ZEI 16 BL****Weidmüller Interface GmbH & Co. KG**
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www.weidmueller.com**Technical data****Approvals**

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	CFAT_EX i_all products DE_PT1101_20160418_1343_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN_WSCAD_Zuken E3.S

Safety note

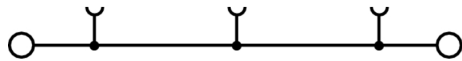
Safety notice	Safety Information
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Data sheet

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Drawings



**Z-series
ZEI 16 BL**

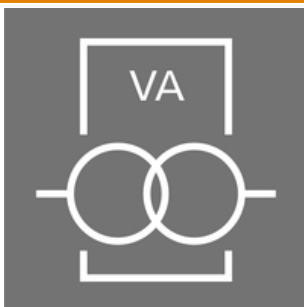
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Accessories**ZQV 4****Spring connection with tension clamp Technology**

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.
ZQV 4/8 GE	1609010000	Accessories, Cross-connector, 32 A	4008190263287	20 pc(s).
ZQV 4/20 GE	1909010000	Z-series, Cross-connector, For the terminals, No. of poles: 20	4032248535637	20 pc(s).
ZQV 4/4 GE	1608970000	Accessories, Cross-connector, 32 A	4008190263249	60 pc(s).
ZQV 4/10 GE	1609030000	Accessories, Cross-connector, 32 A	4008190263300	20 pc(s).
ZQV 4/3 GE	1608960000	Accessories, Cross-connector, 32 A	4008190263232	60 pc(s).
ZQV 4/2 GE	1608950000	Accessories, Cross-connector, 32 A	4008190263225	60 pc(s).
ZQV 4/5 GE	1608980000	Accessories, Cross-connector, 32 A	4008190263256	20 pc(s).
ZQV 4/7 GE	1609000000	Accessories, Cross-connector, 32 A	4008190263270	20 pc(s).
ZQV 4/9 GE	1609020000	Accessories, Cross-connector, 32 A	4008190263294	20 pc(s).
ZQV 4/6 GE	1608990000	Accessories, Cross-connector, 32 A	4008190263263	20 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	Order No.	Version	GTIN (EAN)	Qty.
PS 2.3 RT	0180400000	Accessories, Test plug	4008190060121	20 pc(s).

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Accessories

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	400819018131450	pc(s).
EW 35 GR 7032	0383530000	Accessories, End bracket	400819002732250	pc(s).
EW 35/ SCHA/M3	0258660000	Accessories, End bracket	400819003347720	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 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 15/5 MC NE WS	1609880000	WS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, Allen-Bradley, White	4008190203504480	pc(s).

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Accessories
ZQV 6

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.
ZQV 6/4 GE	1627870000	Accessories, Cross-connector, 41 A	4008190200442	60 pc(s).
ZQV 6/24 GE	1908990000	Accessories, Cross-connector, 41 A	4032248535309	10 pc(s).
ZQV 6/2 GE	1627850000	Accessories, Cross-connector, 41 A	4008190200428	60 pc(s).
ZQV 6/32 GE	1733640000	Accessories, Cross-connector, 41 A	4008190994334	10 pc(s).
ZQV 6/3 GE	1627860000	Accessories, Cross-connector, 41 A	4008190200435	60 pc(s).

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	Order No.	Version	GTIN (EAN)	Qty.
WEW 35/1	1059000000	W-Series, End bracket	4008190172282	50 pc(s).
WEW 35/2	1061200000	W-Series, End bracket	4008190030230	100 pc(s).

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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

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		

ZQV 2.5**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.
ZQV 2.5/4	1608880000	Accessories, Cross-connector, 24 A	4008190082208	60 pc(s).
ZQV 2.5/6	1608900000	Accessories, Cross-connector, 24 A	4008190149840	20 pc(s).
ZQV 2.5/9	1608930000	Accessories, Cross-connector, 24 A	4008190117009	20 pc(s).
ZQV 2.5/5	1608890000	Accessories, Cross-connector, 24 A	4008190065713	20 pc(s).
ZQV 2.5/50	1697540000	Accessories, Cross-connector, 24 A	4008190883256	10 pc(s).
ZQV 2.5/2	1608860000	Accessories, Cross-connector, 24 A	4008190123680	60 pc(s).
ZQV 2.5/3	1608870000	Accessories, Cross-connector, 24 A	4008190061630	60 pc(s).
ZQV 2.5/7	1608910000	Accessories, Cross-connector, 24 A	4008190159665	20 pc(s).
ZQV 2.5/10	1608940000	Accessories, Cross-connector, 24 A	4008190099060	20 pc(s).

Data sheet

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Accessories

ZQV 2.5/8	1608920000	Accessories, Cross-connector, 24 A	4008190061531 20 pc(s).
ZQV 2.5/20	1908960000	Z-series, Cross-connector, For the terminals, No. of poles: 20	4032248535293 20 pc(s).

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).

Covers



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

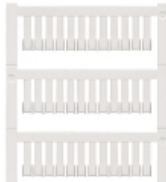
Type	Order No.	Version	GTIN (EAN)	Qty.
ZAD 5/5	1745210000	Z-series, Cover	4008190071448	20 pc(s).

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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	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 1.0X5.5X150	9008350000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm	4032248056316	1 pc(s).

**Z-series
ZEI 16 BL**

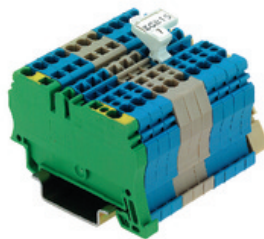
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Accessories
STR transparent strips


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 30	1611930000	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 White	4008190002251	20 pc(s).