ZEI 16 BL

Product image

Our feed-in terminal blocks in combination with cross-connections offer the possibility of flexible potential distribution on terminal blocks with a different rated cross-section.

General ordering data

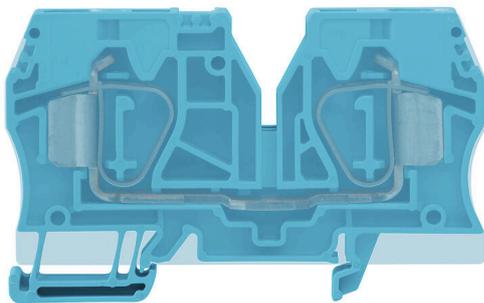|	
Version	Supply terminal, Tension-clamp connection, 16 mm², 500 V, 76 A, blue
Order No.	1766240000
Type	ZEI 16 BL
GTIN (EAN)	4032248064939
Qty.	20 items

ZEI 16 BL

Weidmüller ⧓

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

www.weidmueller.com

Technical data

Approvals

Approvals	
CE CSA cURus Exi KEMA KEUR UKCA	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Dimensions and weights

Depth	50.5 mm	Depth (inches)	1.9882 inch
Depth including DIN rail	51.5 mm	Height	82.5 mm
Height (inches)	3.248 inch	Width	14.7 mm
Width (inches)	0.5787 inch	Net weight	44.19 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

System specifications

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

Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	4 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	65 A	Certificate No. (CSA)	200039-1152892
Voltage size B (CSA)	600 V	Current size B (CSA)	65 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	14 AWG		

Technical data

Conductors for clamping (additional connection)

Connection type, additional connection	Tension-clamp connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A7	Wire connection cross section AWG, max.	AWG 4
Connection direction	top	Stripping length	18 mm
Type of connection	Tension-clamp connection	Number of connections	2
Clamping range, max.	25 mm²	Clamping range, min.	1.5 mm²
Blade size	1.0 x 5.5 mm	Wire connection cross section AWG, min.	AWG 14
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm²
Wire connection cross section, finely stranded, max.	16 mm²	Wire connection cross section, finely stranded, min.	1.5 mm²
Connection cross-section, stranded, max.	25 mm²	Connection cross-section, stranded, min.	1.5 mm²
Wire connection cross-section, solid core, max.	16 mm²	Wire connection cross-section, solid core, min.	1.5 mm²

General

Wire connection cross section AWG, max.	AWG 4	Wire connection cross section AWG, min.	AWG 14
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	16 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal 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
Power loss in accordance with IEC 60947-7-x	2.43 W	Pollution severity	3

### UL rating data

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

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		
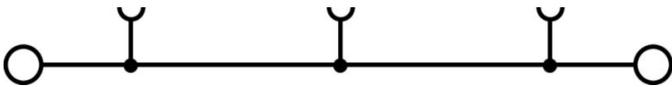
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Drawings

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Accessories

Cross-connections

The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	ZQV 2.5/2	Version	
Order No.	1608860000	Z-series, Cross-connector, 24 A	
GTIN (EAN)	4008190123680		
Qty.	60 ST		
Type	ZQV 2.5/3	Version	
Order No.	1608870000	Accessories, Cross-connector, 24 A	
GTIN (EAN)	4008190061630		
Qty.	60 ST		
Type	ZQV 2.5/4	Version	
Order No.	1608880000	Accessories, Cross-connector, 24 A	
GTIN (EAN)	4008190082208		
Qty.	60 ST		
Type	ZQV 2.5/5	Version	
Order No.	1608890000	Accessories, Cross-connector, 24 A	
GTIN (EAN)	4008190065713		
Qty.	20 ST		
Type	ZQV 2.5/6	Version	
Order No.	1608900000	Accessories, Cross-connector, 24 A	
GTIN (EAN)	4008190149840		
Qty.	20 ST		
Type	ZQV 2.5/7	Version	
Order No.	1608910000	Accessories, Cross-connector, 24 A	
GTIN (EAN)	4008190159665		
Qty.	20 ST		
Type	ZQV 2.5/8	Version	
Order No.	1608920000	Accessories, Cross-connector, 24 A	
GTIN (EAN)	4008190061531		
Qty.	20 ST		
Type	ZQV 2.5/9	Version	
Order No.	1608930000	Accessories, Cross-connector, 24 A	
GTIN (EAN)	4008190117009		
Qty.	20 ST		
Type	ZQV 2.5/10	Version	
Order No.	1608940000	Accessories, Cross-connector, 24 A	
GTIN (EAN)	4008190099060		
Qty.	20 ST		
Type	ZQV 2.5/20	Version	
Order No.	1908960000	Z-series, Cross-connector, For the terminals, Number of poles: 20	
GTIN (EAN)	4032248535293		
Qty.	20 ST		

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Accessories

Type	ZQV 2.5/50	Version
Order No.	1697540000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190883256	
Qty.	10 ST	

Type	ZQV 4/2 GE	Version
Order No.	1608950000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263225	
Qty.	60 ST	

Type	ZQV 4/3 GE	Version
Order No.	1608960000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263232	
Qty.	60 ST	

Type	ZQV 4/4 GE	Version
Order No.	1608970000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263249	
Qty.	60 ST	

Type	ZQV 4/5 GE	Version
Order No.	1608980000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263256	
Qty.	20 ST	

Type	ZQV 4/6 GE	Version
Order No.	1608990000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263263	
Qty.	20 ST	

Type	ZQV 4/7 GE	Version
Order No.	1609000000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263270	
Qty.	20 ST	

Type	ZQV 4/8 GE	Version
Order No.	1609010000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263287	
Qty.	20 ST	

Type	ZQV 4/9 GE	Version
Order No.	1609020000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263294	
Qty.	20 ST	

Type	ZQV 4/10 GE	Version
Order No.	1609030000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4008190263300	
Qty.	20 ST	

Type	ZQV 4/20 GE	Version
Order No.	1909010000	Z-series, Cross-connector, For the terminals, Number of poles: 20
GTIN (EAN)	4032248535637	
Qty.	20 ST	

Type	ZQV 6/2 GE	Version
Order No.	1627850000	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190200428	
Qty.	60 ST	

Type	ZQV 6/3 GE	Version
Order No.	1627860000	Accessories, Cross-connector, 41 A
GTIN (EAN)	4008190200435	
Qty.	60 ST	

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Accessories

Type	ZQV 6/4 GE	Version	
Order No.	1627870000	Accessories, Cross-connector, 41 A	
GTIN (EAN)	4008190200442		
Qty.	60 ST		
Type	ZQV 6/24 GE	Version	
Order No.	1908990000	Accessories, Cross-connector, 41 A	
GTIN (EAN)	4032248535309		
Qty.	10 ST		
Type	ZQV 6/32 GE	Version	
Order No.	1733640000	Accessories, Cross-connector, 41 A	
GTIN (EAN)	4008190994334		
Qty.	10 ST		

End bracket

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.	0383560000	End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C	
GTIN (EAN)	4008190181314		
Qty.	50 ST		
Type	EW 35 GR 7032	Version	
Order No.	0383530000	End bracket, grey, TS 35, V-0, Wemid, Width: 9 mm, 120 °C	
GTIN (EAN)	4008190027322		
Qty.	50 ST		
Type	EW 35/SCHA/M3	Version	
Order No.	0258660000	End bracket, beige, TS 35, V-2, Wemid, Width: 16.5 mm, 100 °C	
GTIN (EAN)	4008190033477		
Qty.	20 ST		
Type	WEW 35/1	Version	
Order No.	1059000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C	
GTIN (EAN)	4008190172282		
Qty.	50 ST		
Type	WEW 35/2	Version	
Order No.	1061200000	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C	
GTIN (EAN)	4008190030230		
Qty.	50 ST		
Type	ZEW 35	Version	
Order No.	9540000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 °C	
GTIN (EAN)	4008190956264		
Qty.	20 ST		

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Accessories

Type	ZEW 35/2	Version	
Order No.	8630740000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 8 mm, 100 °C	
GTIN (EAN)	4032248348916		
Qty.	20 ST		

Testadapter and testsockets

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	PS 2.3 RT	Version	
Order No.	0180400000	Test adapter (terminal), 230 V, 20 mA	
GTIN (EAN)	4008190060121		
Qty.	20 ST		

Warning cover

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 5/5	Version	
Order No.	1745210000	Z-series, Cover	
GTIN (EAN)	4008190071448		
Qty.	20 ST		

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Accessories

STR transparent strips

General ordering data

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

Blank
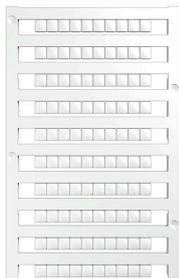
The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy 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

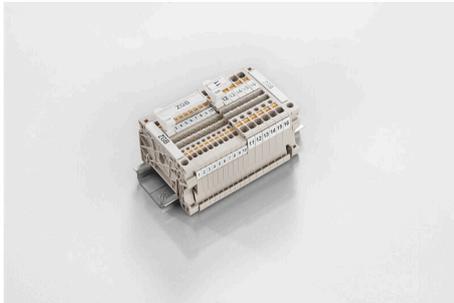| Type	DEK 5/5 MC NE WS	Version	
Order No.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00	
GTIN (EAN)	4008190397111	Weidmueller, white	
Qty.	1000 ST		
Type	WS 15/5 MC NE WS	Version	
Order No.	1609880000	WS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,	
GTIN (EAN)	4008190203504	Allen-Bradley, white	
Qty.	480 ST		
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	
Qty.	480 ST		

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

Type	ZGB 30	Version	
Order No.	1611930000	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00	
GTIN (EAN)	4008190002251	Weidmueller, white	
Qty.	20 ST		

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 snaped 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 ST		
Type	BZT 1 ZA WS 10/5	Version	
Order No.	1805520000	Accessories, Marker holder	
GTIN (EAN)	4032248270248		
Qty.	100 ST		

Slotted screwdriver

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

Accessories

General ordering data

Type	SDS 1.0X5.5X150	Version
Order No.	2749380000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade
GTIN (EAN)	4050118895605	thickness (A): 1 mm
Qty.	1 ST	