

ZDK 6S/L/L

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 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	Z-series, Installation multi-tier terminal, Double-tier terminal, Rated cross-section: 6 mm ² , Tension-clamp connection, dark beige, Direct mounting
Order No.	1733260000
Type	ZDK 6S/L/L
GTIN (EAN)	4008190972387
Qty.	25 items
Delivery status	Discontinued
Available until	2023-03-31T00:00:00+02:00
Alternative product	AITB 4 BB L-L

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

Dimensions and weights

Depth	49.5 mm	Depth (inches)	1.9488 inch
Height	124 mm	Height (inches)	4.8819 inch
Width	8.1 mm	Width (inches)	0.3189 inch
Net weight	36.2 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °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	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Tension-clamp connection, L and L connection, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of potentials	2	Number of levels	2
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

Open sides	right	Installation advice	Direct mounting
Explosion-tested version	No	Type of mounting	Snap-on

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A5	Wire connection cross section AWG, max.	AWG 8
Connection direction	Inclined / angled	Stripping length	12 mm
Type of connection	Tension-clamp connection	Number of connections	4
Clamping range, max.	10 mm ²	Clamping range, min.	0.33 mm ²

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Blade size	1.0 x 5.5 mm	Wire connection cross section AWG, min.	AWG 22
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.33 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.33 mm ²
Wire connection cross section, finely stranded, max.	6 mm ²	Wire connection cross section, finely stranded, min.	0.33 mm ²
Connection cross-section, stranded, min.	0.33 mm ²	Wire connection cross-section, solid core, max.	10 mm ²
Wire connection cross-section, solid core, min.	0.33 mm ²		

General

Wire connection cross section AWG, max.	AWG 8	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 22	Standards	IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	6 mm ²	Rated voltage	400 V
Rated DC voltage	400 V	Nominal current	41 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.78 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	1.31 W	Pollution severity	3

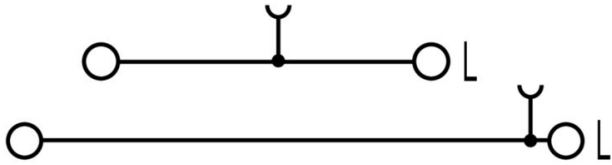
UL rating data

Conductor size Factory wiring max. (UR)	8 AWG	Current size C (UR)	38 A
Voltage size C (UR)	300 V	Conductor size Factory wiring min. (UR)	22 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	22 AWG
Conductor size Field wiring max. (UR)	8 AWG		

Classifications

ETIM 8.0	EC001329	ETIM 9.0	EC001329
ETIM 10.0	EC001329	ECLASS 14.0	27-25-01-10
ECLASS 15.0	27-25-01-10		

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

End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	ZAP ZDK4/6S	Version
Order No.	1733240000	Z-series, End plate
GTIN (EAN)	4008190972271	
Qty.	20 ST	

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Accessories

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/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	

End plates and partition plates



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General ordering data

Type	ZHP ZDL2.5S BL	Version
Order No.	1720890000	Z-series, Fixing plate
GTIN (EAN)	4008190381042	
Qty.	20 ST	

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Type	ZHP Z/W BL	Version	
Order No.	1745180000	Z-series, Intermediate plate	
GTIN (EAN)	4008190037123		
Qty.	20 ST		

Busbars



With our bus bars in various materials and the associated accessories, you can connect cables in the smallest installation space. Depending on the application, potentials can be collected, distributed or dissipated.

General ordering data

Type	SSCH 10X3X1000 CU/SN	Version	
Order No.	0348900000	Busbar (terminal), silver, Height: 1000 mm, Depth: 3 mm, Copper	
GTIN (EAN)	4008190024802		
Qty.	25 M		

Busbar connections



Weidmueller offers tapping terminals for various types of bus bar systems. Depending on the application, a distinction can be made here between insulated and non-insulated tap-off terminals.

General ordering data

Type	ZB 4K GG HENSEL	Version	
Order No.	1824560000	Terminal (busbar connection)	
GTIN (EAN)	4032248330973		
Qty.	50 ST		
Type	ZB 4	Version	
Order No.	0316500000	Terminal (busbar connection)	
GTIN (EAN)	4008190061999		
Qty.	50 ST		
Type	ZB 4/6K BL	Version	
Order No.	0565480000	Terminal (busbar connection)	
GTIN (EAN)	4008190086831		
Qty.	50 ST		
Type	ZB 4/6	Version	
Order No.	0556700000	Terminal (busbar connection)	
GTIN (EAN)	4008190188412		
Qty.	50 ST		

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Accessories

Type	ZB 16 ZKSC	Version
Order No.	0316600000	Terminal (busbar connection)
GTIN (EAN)	4008190145989	
Qty.	50 ST	
Type	ZB 35/M6X16	Version
Order No.	0266500000	Terminal (busbar connection)
GTIN (EAN)	4008190102814	
Qty.	20 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	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	

Custom printing



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 5/8 MC SDR	Version
Order No.	1856750000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400867	Weidmueller, To customer specification
Qty.	160 ST	

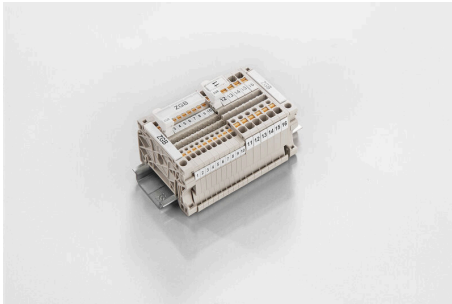
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Accessories

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.

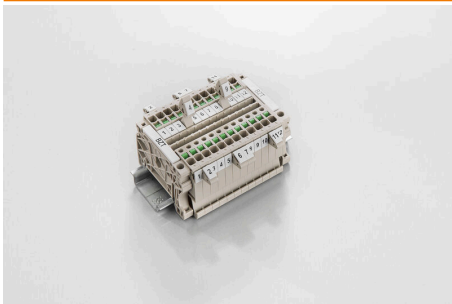
The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

General ordering data

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

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