ZDK 4S/L/L

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: 4 mm², Tension-clamp connection, dark beige, Direct mounting
Order No.	1733290000
Type	ZDK 4S/L/L
GTIN (EAN)	4008190979546
Qty.	50 pc(s).
Delivery status	Discontinued
Available until	2023-03-31
Alternative product	2669070000

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ZDK 4S/L/L

Technical data

Dimensions and weights

Depth	49.5 mm	Depth (inches)	1.949 inch
Height	122 mm	Height (inches)	4.803 inch
Width	6.1 mm	Width (inches)	0.24 inch
Net weight	22.106 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50	Continuous operating temp., max.	120

Material data

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
Rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

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

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	6 mm²
Clamping range, min.	0.13 mm²	Connection direction	Inclined / angled
Gauge to IEC 60947-1	A4	Number of connections	4
Stripping length	12 mm	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	4 mm²	Wire connection cross section, finely stranded, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²
Wire connection cross-section, solid core, max.	6 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

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ZDK 4S/L/L

Technical data

General

Installation advice	Direct mounting	Rail	TS 35
Standards		Wire connection cross section AWG, max.	
	IEC 60947-7-1		AWG 10
Wire connection cross section AWG, min.			
	AWG 26		

Rating data

Rated cross-section	4 mm²	Rated voltage	400 V
Rated DC voltage	400 V	Rated current	32 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	1.02 W	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	10 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	10 AWG
Conductor size Field wiring min. (UR)	26 AWG	Current size C (UR)	33 A
Voltage size C (UR)	300 V		

Classifications

ETIM 6.0	EC001329	ETIM 7.0	EC001329
ETIM 8.0	EC001329	ETIM 9.0	EC001329
ETIM 10.0	EC001329	ECLASS 9.0	27-14-11-25
ECLASS 9.1	27-14-11-25	ECLASS 10.0	27-14-11-25
ECLASS 11.0	27-14-11-25	ECLASS 12.0	27-14-11-25
ECLASS 13.0	27-25-01-10	ECLASS 14.0	27-25-01-10
ECLASS 15.0	27-25-01-10		

Environmental Product Compliance

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

Approvals

Approvals	

Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

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Technical data

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
	UKCA declaration of conformity
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks
	User Manual Z-Series
	User Manual Z-INSTA
Catalogues	Catalogues in PDF-format

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Accessories

Copper

Of all the metals used, copper has the best electrical conductivity, which results in the highest short-circuit resistance. This makes the copper busbar the most widely used variant.

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.	1 m		

SAK-Series

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

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 pc(s).		

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Weidmüller ⧈

ZDK 4S/L/L

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.
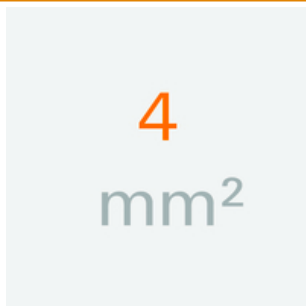Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.
• Large range of ready-to-use markers
• Strips for fast installation
• Terminal markers, suitable for all Weidmüller cable connectors
• Available as blank MultiCard or with 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 5/6 MC NE WS	Version	
Order No.	1609820000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00	
GTIN (EAN)	4008190203436	Weidmueller, white	
Qty.	1,000 pc(s).		

4 mm²

4
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 4/7 GE	Version	
Order No.	1609000000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263270		
Qty.	20 pc(s).		
Type	ZQV 4/8 GE	Version	
Order No.	1609010000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263287		
Qty.	20 pc(s).		
Type	ZQV 4/3 GE	Version	
Order No.	1608960000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263232		
Qty.	60 pc(s).		

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Accessories

Type	ZQV 4/6 GE	Version	
Order No.	1608990000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263263		
Qty.	20 pc(s).		
Type	ZQV 4/5 GE	Version	
Order No.	1608980000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263256		
Qty.	20 pc(s).		
Type	ZQV 4/10 GE	Version	
Order No.	1609030000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263300		
Qty.	20 pc(s).		
Type	ZQV 4/9 GE	Version	
Order No.	1609020000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263294		
Qty.	20 pc(s).		
Type	ZQV 4/2 GE	Version	
Order No.	1608950000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263225		
Qty.	60 pc(s).		
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 pc(s).		
Type	ZQV 4/4 GE	Version	
Order No.	1608970000	Accessories, Cross-connector, 32 A	
GTIN (EAN)	4008190263249		
Qty.	60 pc(s).		

Insulated

Bus bar taps with insulation offer finger safety on the one hand. On the other hand, the colored insulation also indicates the respective potential, such as the neutral conductor or PE.

General ordering data

Type	ZB 4G GN/GE	Version	
Order No.	0322160000	Clamping yoke (bus-bar), Clamping yoke, Green/yellow, 4 mm², Width:	
GTIN (EAN)	4008190014278	7.4 mm, M 3, Steel	
Qty.	50 pc(s).		
Type	ZB 4K GG HENSEL	Version	
Order No.	1824560000	Clamping yoke (bus-bar), Clamping yoke, silver, 4 mm², Width: 6 mm,	
GTIN (EAN)	4032248330973	Steel	
Qty.	50 pc(s).		

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ZDK 4S/L/L

Accessories

Type	ZB 4/6K GE/GN	Version	
Order No.	0565460000	Clamping yoke (bus-bar), Clamping yoke, Green/yellow, 4 mm², Width:	
GTIN (EAN)	4008190032609	6 mm, M 3, Steel	
Qty.	50 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.

General ordering data

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 pc(s).	
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 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	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).	
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 pc(s).	

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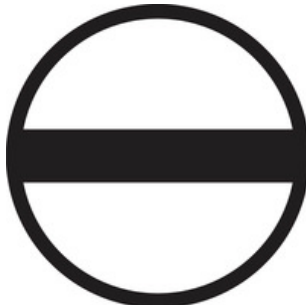
www.weidmueller.com

Accessories

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

Type	ZEW 35	Version	
Order No.	9540000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 ℃	
GTIN (EAN)	4008190956264		
Qty.	20 pc(s).		
Type	ZEW 35/2	Version	
Order No.	8630740000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 8 mm, 100 ℃	
GTIN (EAN)	4032248348916		
Qty.	20 pc(s).		

Slotted screwdriver

VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

General ordering data

Type	SDIS SLIM 0.6X3.5X100	Version	
Order No.	2749610000	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm	
GTIN (EAN)	4050118896350		
Qty.	1 pc(s).		

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Weidmüller ⋛⋚

ZDK 4S/L/L

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Germany

www.weidmueller.com

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

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	ZS 12/6 MC NE WS	Version	
Order No.	1610020000	ZS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,	
GTIN (EAN)	4008190444600	Allen-Bradley, white	
Qty.	400 pc(s).		

DEK 5/6

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

General ordering data

Type	DEK 5/6 MM WS	Version	
Order No.	2007120000	Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white	
GTIN (EAN)	4050118392104		
Qty.	600 pc(s).		

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ZDK 4S/L/L

Accessories

Uninsulated

Uninsulated bus bar tap-off terminals offer a space-saving option for connecting conductors on a bus bar.

General ordering data

Type	ZB 4	Version
Order No.	0316500000	Clamping yoke (bus-bar), Clamping yoke, silver, 4 mm², Width: 5.3
GTIN (EAN)	4008190061999	mm, M 3, Steel
Qty.	50 pc(s).	
Type	ZB 16 ZKSC	Version
Order No.	0316600000	Clamping yoke (bus-bar), Clamping yoke, silver, 16 mm², Width: 10
GTIN (EAN)	4008190145989	mm, M 4, Steel
Qty.	50 pc(s).	
Type	ZB 4/6	Version
Order No.	0556700000	Clamping yoke (bus-bar), Clamping yoke, silver, 4 mm², Width: 5.3
GTIN (EAN)	4008190188412	mm, M 3, Steel
Qty.	50 pc(s).	
Type	ZB 35/M6X16	Version
Order No.	0266500000	Clamping yoke (bus-bar), Clamping yoke, silver, 35 mm², Width: 14
GTIN (EAN)	4008190102814	mm, M 6, Steel
Qty.	20 pc(s).	

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 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	
Type	BZT 1 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

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