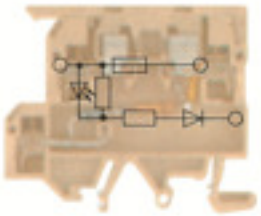
KDKS1/EN LD 24VDC

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

www.weidmueller.com

Product image



In some applications it is useful to protect the feed through connection with a separate fuse. Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.

General ordering data

Version	Fuse terminal, Screw connection, beige / yellow, 4 mm², 6.3 A, 24 V, Number of connections: 3, Number of levels: 2, TS 35, TS 32, V-2, PA 66, G-Si. 5 x 20
Order No.	8146450000
Type	KDKS1/EN LD 24VDC
GTIN (EAN)	4008190171902
Qty.	25 pc(s).

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Technical data

Dimensions and weights

Depth	55.5 mm	Depth (inches)	2.185 inch
Height	62.75 mm	Height (inches)	2.47 inch
Width	8 mm	Width (inches)	0.315 inch
Net weight	15.81 g		

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	100 °C		

Material data

Material	PA 66	Colour	beige / yellow
UL 94 flammability rating	V-2		

System specifications

Version	Screw connection, Fuse cartridge, with LED, One end without connector	End cover plate required	Yes
Number of potentials	1	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, TS 32	N-function	No
PE function	No	PEN function	No

Additional technical data

Installation advice	Direct mounting	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

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Technical data

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm²
Clamping range, min.	0.5 mm²	Clamping screw	M 3
Connection cross-section, stranded, max.	4 mm²	Connection cross-section, stranded, min.	0.5 mm²
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	3	Stripping length	9 mm
Tightening torque, max.	0.8 Nm	Tightening torque, min.	0.5 Nm
Twin wire-end ferrules, max.	1.5 mm²	Twin wire-end ferrules, min.	0.5 mm²
Type of connection	Screw connection	Type of connection 2	Screw connection
Wire connection cross section AWG, max.	AWG 12	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.	4 mm²
Wire connection cross-section, solid core, min.	0.5 mm²		

Dimensions

TS 32 offset	31 mm	TS 35 offset	31 mm

Display element

Current	2 mA	Operating voltage for display, min.	24 V
Type of voltage for indicator	DC		

Fuse terminals

Cartridge fuse	G-Si. 5 x 20	Current	2 mA
Display	LED	Fuse holder (cartridge holder)	Pivoting
Operating voltage, max.	24 V	Type of voltage for indicator	DC

General

Installation advice	Direct mounting	Rail	TS 35, TS 32
Wire connection cross section AWG, max.	AWG 12		

Rating data

Rated cross-section	4 mm²	Rated voltage	24 V
Rated DC voltage	24 V	Rated current	6.3 A
Current at maximum wires	6.3 A	Volume resistance according to IEC 60947-7-x	1 mΩ
Power loss in accordance with IEC 60947-7-x	1.02 W	Pollution severity	3

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Technical data

Classifications

ETIM 6.0	EC000899	ETIM 7.0	EC000899
ETIM 8.0	EC000899	ETIM 9.0	EC000899
ECLASS 9.0	27-14-11-16	ECLASS 9.1	27-14-11-16
ECLASS 10.0	27-14-11-16	ECLASS 11.0	27-14-11-16
ECLASS 12.0	27-14-11-16	ECLASS 13.0	27-25-01-13
ECLASS 14.0	27-25-01-13		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	c6099607-b1cd-4fc8-8f5b-8c2defa73093

Important note

Product information	The voltage depends on the selected fuse element or the selected indicator light

Approvals

Approvals	
ROHS	Conform

Downloads

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

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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 °C
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 °C
GTIN (EAN)	4032248348916	
Qty.	20 pc(s).	

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 pc(s).	

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Accessories

W-Series

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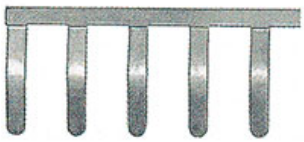
General ordering data

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).	

QB



Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

Type	QB 58/8/9/WI	Version
Order No.	0545300000	Cross-connector (terminal), when screwed in, grey, 27 A, Number of
GTIN (EAN)	4008190125080	poles: 58, Pitch in mm (P): 8.00, Insulated: No, Width: 0.8 mm
Qty.	10 pc(s).	
Type	QB 58/8/15	Version
Order No.	0545400000	Cross-connector (terminal), when screwed in, grey, 27 A, Number of
GTIN (EAN)	4008190028794	poles: 58, Pitch in mm (P): 8.00, Insulated: No, Width: 0.8 mm
Qty.	10 pc(s).	

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Accessories

5x20

For protection against overcurrent, we offer cartridge fuse with dimensions 5x20 mm in sizes from 100 mA to 6.3 A.

General ordering data

Type	G 20/0.63A/F	Version
Order No.	0439000000	Miniature fuse, quick-acting, 0.63 A, G-Si. 5 x 20
GTIN (EAN)	4008190131210	
Qty.	10 pc(s).	
Type	G 20/3.15A/F	Version
Order No.	0431100000	Miniature fuse, quick-acting, 3.15 A, G-Si. 5 x 20
GTIN (EAN)	4008190012977	
Qty.	10 pc(s).	
Type	G 20/5.00A/F	Version
Order No.	0431300000	Miniature fuse, quick-acting, 5 A, G-Si. 5 x 20
GTIN (EAN)	4008190185381	
Qty.	10 pc(s).	
Type	G 20/6.30A/F	Version
Order No.	0431400000	Miniature fuse, quick-acting, 6.3 A, G-Si. 5 x 20
GTIN (EAN)	4008190086053	
Qty.	10 pc(s).	
Type	G 20/2.00A/F	Version
Order No.	0430900000	Miniature fuse, quick-acting, 2 A, G-Si. 5 x 20
GTIN (EAN)	4008190123567	
Qty.	10 pc(s).	
Type	CARTRIDGE FUSES 250V .1 ...	Version
Order No.	0430300000	Miniature fuse, quick-acting, 0.1 A, G-Si. 5 x 20
GTIN (EAN)	4008190077174	
Qty.	10 pc(s).	
Type	G 20/0.20A/F	Version
Order No.	0430400000	Miniature fuse, quick-acting, 0.2 A, G-Si. 5 x 20
GTIN (EAN)	4008190152383	
Qty.	10 pc(s).	
Type	G 20/1.60A/F	Version
Order No.	0430800000	Miniature fuse, quick-acting, 1.6 A, G-Si. 5 x 20
GTIN (EAN)	4008190031503	
Qty.	10 pc(s).	
Type	G 20/4.00A/F	Version
Order No.	0431200000	Miniature fuse, quick-acting, 4 A, G-Si. 5 x 20
GTIN (EAN)	4008190022983	
Qty.	10 pc(s).	
Type	G 20/0.25A/F	Version
Order No.	0430500000	Miniature fuse, quick-acting, 0.25 A, G-Si. 5 x 20
GTIN (EAN)	4008190153991	
Qty.	10 pc(s).	

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Accessories

Type	G 20/0.50A/F	Version
Order No.	0430600000	Miniature fuse, quick-acting, 0.5 A, G-Si. 5 x 20
GTIN (EAN)	4008190046835	
Qty.	10 pc(s).	

Type	G 20/2.50A/F	Version
Order No.	0431000000	Miniature fuse, quick-acting, 2.5 A, G-Si. 5 x 20
GTIN (EAN)	4008190085513	
Qty.	10 pc(s).	

Type	G 20/1.00A/F	Version
Order No.	0430700000	Miniature fuse, quick-acting, 1 A, G-Si. 5 x 20
GTIN (EAN)	4008190093877	
Qty.	10 pc(s).	

SAK-Series

A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

General ordering data

Type	TW SAKS2 HP/DBR/2	Version
Order No.	0607000000	Partition plate (terminal), dark brown, Height: 80 mm, Width: 2 mm,
GTIN (EAN)	4008190002732	V-2, PA 66
Qty.	20 pc(s).	

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Accessories

Blank

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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 NE WS	Version
Order No.	1856740000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400850	Weidmueller, white
Qty.	800 pc(s).	

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Accessories

DEK 5/8

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 5/8 MM WS	Version
Order No.	2007130000	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012	
Qty.	500 pc(s).	

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 GR 7032	Version
Order No.	0383530000	End bracket, grey, TS 35, V-0, Wemid, Width: 9 mm, 120 °C
GTIN (EAN)	4008190027322	
Qty.	50 pc(s).	

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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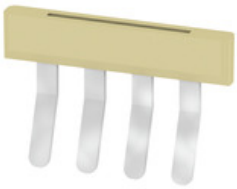
Accessories

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 pc(s).	

QB RA



Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

Type	QB 3 WI RA8 IS	Version
Order No.	0461200000	Cross-connector (terminal), when screwed in, grey, 27 A, Number of
GTIN (EAN)	4008190161699	poles: 3, Pitch in mm (P): 8.00, Insulated: Yes, Width: 3 mm
Qty.	50 pc(s).	

Type	QB 4 WI RA8 IS	Version
Order No.	0461300000	Cross-connector (terminal), when screwed in, grey, 27 A, Number of
GTIN (EAN)	4008190025373	poles: 4, Pitch in mm (P): 8.00, Insulated: Yes, Width: 3 mm
Qty.	50 pc(s).	

Type	QB 2 WI RA8 IS	Version
Order No.	0461100000	Cross-connector (terminal), when screwed in, grey, 27 A, Number of
GTIN (EAN)	4008190034818	poles: 2, Pitch in mm (P): 8.00, Insulated: Yes, Width: 3 mm
Qty.	50 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 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

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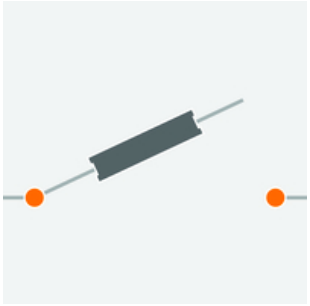
Accessories

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

Contact sleeve



As accessories for our wide product portfolio of fuse terminal blocks, we also offer the appropriate fuse links. The portfolio includes device protection fuses (miniature fuses) from 5x20 mm up to 10x38 mm, E 14 to E 18 fuse links, as well as automotive fuses and automatic circuit breakers. Gauge rings for the fuse holders round off the overall portfolio.

General ordering data

Type	VH 25/5/3.4	Version
Order No.	0553300000	SAK Series, Contact sleeve
GTIN (EAN)	4008190095604	
Qty.	100 pc(s).	

SAK-Series

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

Type	AP KDKS1/EN	Version
Order No.	9503340000	End plate (terminals), beige, Height: 62.75 mm, Width: 1.5 mm, V-2,
GTIN (EAN)	4008190157630	Polyamide 66
Qty.	20 pc(s).	