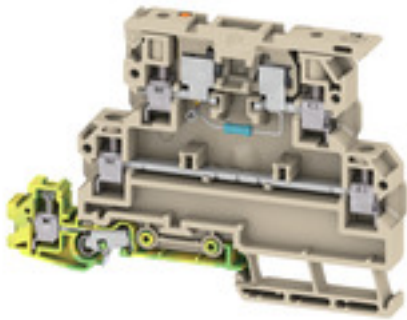


**KDKS 1PE/LLC 100-250V AC/DC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Fuse isolator, With PE connection, One end without connector, Screw connection, 4 mm <sup>2</sup> , 250 V, 6.3 A, G-Si. 5 x 20, dark beige
Order No.	<a href="#">1518370000</a>
Type	KDKS 1PE/LLC 100-250V AC/DC
GTIN (EAN)	4050118325621
Qty.	50 pc(s).

# KDKS 1PE/LLC 100-250V AC/DC

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## Technical data

### Dimensions and weights

Depth	65 mm	Depth (inches)	2.559 inch
Height	91 mm	Height (inches)	3.583 inch
Width	8 mm	Width (inches)	0.315 inch
Net weight	28.98 g		

### Temperatures

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

### Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

### System specifications

Version	Screw connection, Fuse isolator, With PE connection, One end without connector	End cover plate required	Yes
Number of potentials	3	Number of levels	3
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	Yes
Rail	TS 35	N-function	No
PE function	Yes	PEN function	No

### Additional technical data

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

### CSA rating data

Certificate No. (CSA)	200039-70000261	Current size B (CSA)	25 A
Current size C (CSA)	25 A	Current size D (CSA)	10 A
Voltage size B (CSA)	300 V	Voltage size C (CSA)	150 V
Voltage size D (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

### Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

### Conductors for clamping (rated connection)

Blade size 0.6 x 3.5 mm

## KDKS 1PE/LLC 100-250V AC/DC

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## Technical data

Clampable conductor	Connection specification		Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U		
		min.	0.5 mm <sup>2</sup>		
		max.	4 mm <sup>2</sup>		
		nominal	4 mm <sup>2</sup>		
	wire end ferrule	Stripping length	min.	9 mm	
			max.	9 mm	
		Tightening torque	min.	0.5 Nm	
			max.	1 Nm	
		Recommended wire-end ferrule			
		Connection specification		Screw connection	
	Cross-section for conductor connection	Type	stranded, H07V-R		
		min.	1.5 mm <sup>2</sup>		
		max.	4 mm <sup>2</sup>		
		nominal	4 mm <sup>2</sup>		
	wire end ferrule	Stripping length	min.	9 mm	
			max.	9 mm	
		Tightening torque	min.	0.5 Nm	
			max.	1 Nm	
		Recommended wire-end ferrule			
		Connection specification		Screw connection	
	Cross-section for conductor connection	Type	solid, H05(07) V-U		
		min.	0.5 mm <sup>2</sup>		
		max.	4 mm <sup>2</sup>		
		nominal	4 mm <sup>2</sup>		
	wire end ferrule	Stripping length	min.	9 mm	
max.			9 mm		
Tightening torque		min.	0.5 Nm		
		max.	1 Nm		
Recommended wire-end ferrule					
Clamping range, max.		4 mm <sup>2</sup>			
Clamping range, min.		0.33 mm <sup>2</sup>			
Clamping screw		M 3			
Connection cross-section, stranded, max.		4 mm <sup>2</sup>			
Connection cross-section, stranded, min.		1.5 mm <sup>2</sup>			
Connection direction		on side			
Gauge to IEC 60947-1		A3			
Number of connections		3			
Stripping length		9 mm			
Tightening torque, max.		1 Nm			
Tightening torque, min.		0.5 Nm			
Torque level with DMS electric screw-driver		2			
Type of connection		Screw connection			
Type of connection 2		Screw connection			
Wire connection cross section AWG, max.		AWG 12			
Wire connection cross section AWG, min.		AWG 22			
Wire connection cross section, finely stranded, max.		4 mm <sup>2</sup>			
Wire connection cross section, finely stranded, min.		0.5 mm <sup>2</sup>			

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## Technical data

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.

 4 mm<sup>2</sup>

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.

 0.5 mm<sup>2</sup>

Wire connection cross-section, solid core, max.

 4 mm<sup>2</sup>

Wire connection cross-section, solid core, min.

 0.5 mm<sup>2</sup>

### Fuse terminals

Cartridge fuse

G-Si. 5 x 20

Display

Red LED

Leakage current, max.

0.089 mA

Power loss for overload and short-circuit protection for a composite arrangement

1.6 W at 6.3 A @ 23°C

Power loss for overload and short-circuit protection for an individual arrangement

1.6 W at 6.3 A @ 29°C

Power loss for short-circuit protection only for a composite arrangement

2.5 W at 6.3 A @ 41°C

Power loss for short-circuit protection only for an individual arrangement

4.0 W at 6.3 A @ 44°C

### General

Rail	TS 35	Standards	IEC 60947-7-1, IEC 60947-7-2, IEC 60947-7-3
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 22

### PE rating data

Rated short-time current	300 A (2.5 mm <sup>2</sup> )	PEN function	No
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### Rating data

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	250 V
Rated voltage to adjoining terminal	500 V	Rated DC voltage	250 V
Rated current	6.3 A	Standards	IEC 60947-7-1, IEC 60947-7-2, IEC 60947-7-3
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
Surge voltage category	III		

### UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size B (UR)	20 A
Current size C (UR)	20 A	Voltage size B (UR)	250 V
Voltage size C (UR)	300 V		

### 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

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Important note**

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

Approvals



ROHS	Conform
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UL File Number Search	UL Website
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Certificate No. (UR)	E60693
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**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CE Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a>
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Engineering Data	<a href="#">CAD data – STEP</a>
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User Documentation	<a href="#">StorageConditionsTerminalBlocks</a>
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Catalogues	<a href="#">Catalogues in PDF-format</a>
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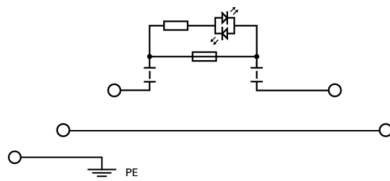
Brochures	
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## KDKS 1PE/LLC 100-250V AC/DC

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

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# Drawings



## KDKS 1PE/LLC 100-250V AC/DC

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## Accessories

### 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 ZA WS 10/5	Version
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	
Type	BZT 1 WS 10/5	Version
Order No.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 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.	<a href="#">0461200000</a>	Cross-connector (terminal), when screwed in, Number of poles: 3,
GTIN (EAN)	4008190161699	Pitch in mm (P): 8.00, Insulated: Yes, 27 A, grey
Qty.	50 pc(s).	
Type	QB 4 WI RA8 IS	Version
Order No.	<a href="#">0461300000</a>	Cross-connector (terminal), when screwed in, Number of poles: 4,
GTIN (EAN)	4008190025373	Pitch in mm (P): 8.00, Insulated: Yes, 27 A, grey
Qty.	50 pc(s).	
Type	QB 2 WI RA8 IS	Version
Order No.	<a href="#">0461100000</a>	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4008190034818	Pitch in mm (P): 8.00, Insulated: Yes, 27 A, grey
Qty.	50 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Z-Series****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	ZST 1	Version
Order No.	<a href="#">1269070000</a>	Accessories, Accessories holder
GTIN (EAN)	4050118094091	
Qty.	25 pc(s).	

**SAK-Series****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 DB	Version
Order No.	<a href="#">9532470000</a>	End plate (terminals), 73.5 mm x 1.5 mm, dark beige
GTIN (EAN)	4032248039227	
Qty.	20 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****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.	<a href="#">1856750000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400867	Weidmueller, To customer specification
Qty.	160 pc(s).	

## KDKS 1PE/LLC 100-250V AC/DC

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www.weidmueller.com

## 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.	<a href="#">2007130000</a>	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012	
Qty.	500 pc(s).	

## 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 20/3.15A/F	Version
Order No.	<a href="#">0431100000</a>	Miniature fuse, quick-acting, 3.15 A, G-Si. 5 x 20
GTIN (EAN)	4008190012977	
Qty.	10 pc(s).	
Type	G 20/1.60A/F	Version
Order No.	<a href="#">0430800000</a>	Miniature fuse, quick-acting, 1.6 A, G-Si. 5 x 20
GTIN (EAN)	4008190031503	
Qty.	10 pc(s).	

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## Accessories

Type	G 20/0.10A/F	Version
Order No.	<a href="#">0430300000</a>	Miniature fuse, quick-acting, 0.1 A, G-Si. 5 x 20
GTIN (EAN)	4008190077174	
Qty.	10 pc(s).	
Type	G 20/0.63A/F	Version
Order No.	<a href="#">0439000000</a>	Miniature fuse, quick-acting, 0.63 A, G-Si. 5 x 20
GTIN (EAN)	4008190131210	
Qty.	10 pc(s).	
Type	G 20/0.50A/F	Version
Order No.	<a href="#">0430600000</a>	Miniature fuse, quick-acting, 0.5 A, G-Si. 5 x 20
GTIN (EAN)	4008190046835	
Qty.	10 pc(s).	
Type	G 20/6.30A/F	Version
Order No.	<a href="#">0431400000</a>	Miniature fuse, quick-acting, 6.3 A, G-Si. 5 x 20
GTIN (EAN)	4008190086053	
Qty.	10 pc(s).	
Type	G 20/0.20A/F	Version
Order No.	<a href="#">0430400000</a>	Miniature fuse, quick-acting, 0.2 A, G-Si. 5 x 20
GTIN (EAN)	4008190152383	
Qty.	10 pc(s).	
Type	G 20/1.00A/F	Version
Order No.	<a href="#">0430700000</a>	Miniature fuse, quick-acting, 1 A, G-Si. 5 x 20
GTIN (EAN)	4008190093877	
Qty.	10 pc(s).	
Type	G 20/2.00A/F	Version
Order No.	<a href="#">0430900000</a>	Miniature fuse, quick-acting, 2 A, G-Si. 5 x 20
GTIN (EAN)	4008190123567	
Qty.	10 pc(s).	
Type	G 20/4.00A/F	Version
Order No.	<a href="#">0431200000</a>	Miniature fuse, quick-acting, 4 A, G-Si. 5 x 20
GTIN (EAN)	4008190022983	
Qty.	10 pc(s).	
Type	G 20/5.00A/F	Version
Order No.	<a href="#">0431300000</a>	Miniature fuse, quick-acting, 5 A, G-Si. 5 x 20
GTIN (EAN)	4008190185381	
Qty.	10 pc(s).	
Type	G 20/2.50A/F	Version
Order No.	<a href="#">0431000000</a>	Miniature fuse, quick-acting, 2.5 A, G-Si. 5 x 20
GTIN (EAN)	4008190085513	
Qty.	10 pc(s).	
Type	G 20/0.25A/F	Version
Order No.	<a href="#">0430500000</a>	Miniature fuse, quick-acting, 0.25 A, G-Si. 5 x 20
GTIN (EAN)	4008190153991	
Qty.	10 pc(s).	

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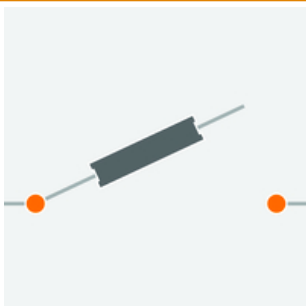
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Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Accessories

### 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.	<a href="#">0553300000</a>	SAK Series, Contact sleeve
GTIN (EAN)	4008190095604	
Qty.	100 pc(s).	

### 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 5/8 MC NE WS	Version
Order No.	<a href="#">1856740000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400850	Weidmueller, white
Qty.	800 pc(s).	