

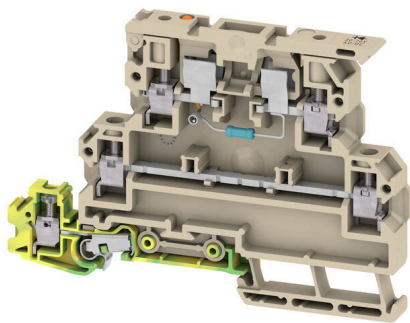
**KDKS 1PE/LLC 30-70V AC/DC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload –ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

**General ordering data**

Version	Fuse terminal, Screw connection, dark beige, 4 mm <sup>2</sup> , 6.3 A, 70 V, Number of connections: 3, Number of levels: 3, TS 35
Order No.	<a href="#">1518330000</a>
Type	KDKS 1PE/LLC 30-70V AC/DC
GTIN (EAN)	4050118325607
Qty.	50 items

## KDKS 1PE/LLC 30-70V AC/DC

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## Technical data

### Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (UR)	E60693

### Dimensions and weights

Depth	65 mm	Depth (inches)	2.5591 inch
Height	91 mm	Height (inches)	3.5827 inch
Width	8 mm	Width (inches)	0.315 inch
Net weight	23.32 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 with exemption
RoHS Exemption (if applicable/known)	7cl
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	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
Mounting rail	TS 35	N-function	No
PE function	Yes	PEN function	No

### Additional technical data

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

### CSA rating data

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

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**Technical data**

**Conductors for clamping (additional connection)**

Connection type, additional connection Screw connection

**Conductors for clamping (rated connection)**

Gauge to IEC 60947-1	A3
Wire connection cross section AWG, max.	AWG 12
Connection direction	on side
Tightening torque, max.	1 Nm
Tightening torque, min.	0.5 Nm
Stripping length	9 mm
Type of connection 2	Screw connection
Type of connection	Screw connection
Number of connections	3
Clamping range, max.	4 mm <sup>2</sup>
Clamping range, min.	0.33 mm <sup>2</sup>
Clamping screw	M 3
Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 22
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.33 mm <sup>2</sup>
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.	0.33 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.33 mm <sup>2</sup>
Connection cross-section, stranded, max.	4 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.33 mm <sup>2</sup>
Torque level with DMS electric screwdriver	2
Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.33 mm <sup>2</sup>
Connection cross-section, finely stranded, min.	0.33 mm <sup>2</sup>

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
	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>		

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## Technical data

wire end ferrule	Stripping length	min.	9 mm
		max.	9 mm
	Tightening torque	min.	0.5 Nm
		max.	1 Nm
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	

### Fuse terminals

Cartridge fuse	G-Si. 5 x 20	Fuse holder (cartridge holder)	Pivoting
Type of voltage for indicator	AC/DC	Display	Red LED
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
Power loss, 1-pole ; 2-pole ; 3-pole		Permitted power loss for fuse with semiconductor protection	
Leakage current, max.	0.2 mA	Power loss for overload and short-circuit protection for an individual arrangement	1.6 W at 6.3 A @ 29°C
Power loss for overload and short-circuit protection for a composite arrangement	1.6 W at 6.3 A @ 23°C		

### General

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

### Rating data

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	70 V
Rated voltage to adjoining terminal	500 V	Rated DC voltage	70 V
Nominal current	6.3 A	Current at maximum wires	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
Surge voltage category	III	Pollution severity	3

### UL rating data

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

### Important note

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

### Classifications

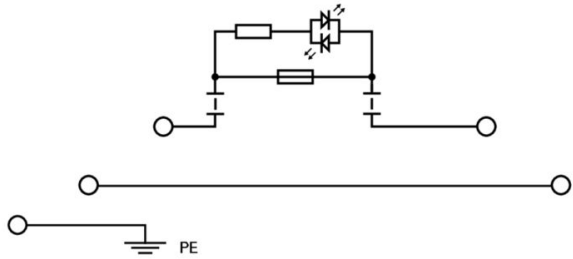
ETIM 8.0	EC000899	ETIM 9.0	EC000899
ETIM 10.0	EC000899	ECLASS 14.0	27-25-01-13
ECLASS 15.0	27-25-01-13		

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**Drawings**



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## Accessories

### Disconnect plugs



In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

### General ordering data

Type	QB 2 WI RA8 IS	Version	
Order No.	<a href="#">0461100000</a>	Cross-connector (terminal), when screwed in, grey, 27 A, Number of poles: 2, Pitch in mm (P): 8.00, Insulated: Yes, Width: 3 mm	
GTIN (EAN)	4008190034818		
Qty.	50 ST		

### 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	QB 3 WI RA8 IS	Version	
Order No.	<a href="#">0461200000</a>	Cross-connector (terminal), when screwed in, grey, 27 A, Number of poles: 3, Pitch in mm (P): 8.00, Insulated: Yes, Width: 3 mm	
GTIN (EAN)	4008190161699		
Qty.	50 ST		
Type	QB 4 WI RA8 IS	Version	
Order No.	<a href="#">0461300000</a>	Cross-connector (terminal), when screwed in, grey, 27 A, Number of poles: 4, Pitch in mm (P): 8.00, Insulated: Yes, Width: 3 mm	
GTIN (EAN)	4008190025373		
Qty.	50 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.

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## Accessories

### General ordering data

Type	AP KDKS1 DB	Version	
Order No.	<a href="#">9532470000</a>	End plate for terminals, dark beige, Height: 73.5 mm, Width: 1.5 mm,	
GTIN (EAN)	4032248039227	V-0, Wemid, Snap-on: Yes	
Qty.	20 ST		

### Fuse



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	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 ST		
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 ST		
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 ST		
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 ST		
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 ST		
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 ST		
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 ST		
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 ST		

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## Accessories

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 ST	
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 ST	
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 ST	
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 ST	
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 ST	
Type	VH 25/5/3.4	Version
Order No.	<a href="#">0553300000</a>	SAK Series, Contact sleeve
GTIN (EAN)	4008190095604	
Qty.	100 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 5/8 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 ST	

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## Accessories

### Custom printing



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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 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 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.	<a href="#">1805490000</a>	Accessories, Marker holder	
GTIN (EAN)	4032248270231		
Qty.	100 ST		
Type	BZT 1 ZA WS 10/5	Version	
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder	
GTIN (EAN)	4032248270248		
Qty.	100 ST		

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## Accessories

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### 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.

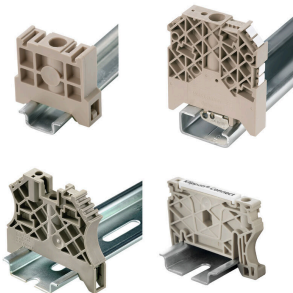
Your benefits with MultiMark

- 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 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	ZST 1	Version	
Order No.	<a href="#">1269070000</a>		Accessories, Accessories holder
GTIN (EAN)	4050118094091		
Qty.	25 ST		