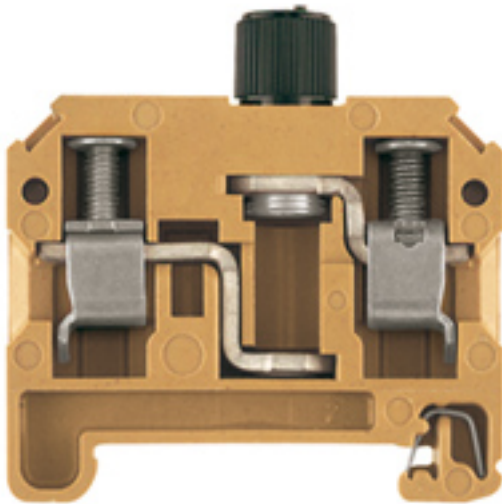


**SAK Series**  
**SAKS 3/35 G/5X30 500V**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Product image**



**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

Type	SAKS 3/35 G/5X30 500V
Order No.	<a href="#">0328920000</a>
Version	SAK Series, Fuse terminal, Rated cross-section: 10 mm <sup>2</sup> , Screw connection, medium yellow, Direct mounting
GTIN (EAN)	4008190113339
Qty.	20 pc(s).

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**Technical data****Dimensions and weights**

Width	13 mm	Width (inches)	0.512 inch
Height	54 mm	Height (inches)	2.126 inch
Depth	53.5 mm	Depth (inches)	2.106 inch
Net weight	42.5 g		

**Temperatures**

Storage temperature, max.	40 °C	Storage temperature, min.	10 °C
Storage temperature	10 °C...40 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

**Material data**

Material	KrG	Colour	medium yellow
UL 94 flammability rating	V-0, 5VA		

**System specifications**

Version	Screw connection, Fuse cartridge, One end without connector	Tightening torque (clamping screw for copper conductors)	1.2...2.4 Nm
End cover plate required	Yes	Number of potentials	1
Number of levels	1	No. 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
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on		

**CSA rating data**

Certificate No. (CSA)	12400-198	Current size C (CSA)	10 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	22 AWG		

**Conductors for clamping (additional connection)**

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	10 mm <sup>2</sup>
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## SAK Series

### SAKS 3/35 G/5X30 500V

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## Technical data

### Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	16 mm <sup>2</sup>
Clamping range, min.	0.33 mm <sup>2</sup>	Clamping screw	M 4
Connection cross-section, stranded, max.	10 mm <sup>2</sup>	Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	B6
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	2.4 Nm	Tightening torque, min.	1.2 Nm
Torque level with DMS electric screwdriver	4	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 22
Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 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, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	16 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

### Display element

Operating voltage for display, max.	500 V	Type of voltage for indicator	AC/DC
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### Fuse terminals

Cartridge fuse	G-Si. 5 x 30	Display	Without LED
Fuse holder (cartridge holder)	pluggable	Operating voltage, max.	500 V
Type of voltage for indicator	AC/DC		

### Rating data

Rated cross-section	10 mm <sup>2</sup>	Rated voltage	500 V
Rated current	10 A	Current at maximum wires	10 A
Volume resistance according to IEC 60947-7-x	0.56 mΩ	Rated impulse withstand voltage	6 kV
Pollution severity	3		

### UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	8 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size C (UR)	8 A
Voltage size C (UR)	600 V		

### Classifications

ETIM 3.0	EC000899	ETIM 4.0	EC000899
ETIM 5.0	EC000899	ETIM 6.0	EC000899
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-16
eClass 6.2	27-14-11-16	eClass 7.1	27-14-11-16
eClass 8.1	27-14-11-16	eClass 9.0	27-14-11-16
eClass 9.1	27-14-11-16		

**Data sheet****SAK Series**  
**SAKS 3/35 G/5X30 500V****Weidmüller Interface GmbH & Co. KG**  
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Approvals



ROHS

Conform

**Downloads**Approval/Certificate/Document of  
Conformity[DE\\_PT1313\\_20160418\\_597\\_ISSUE01.pdf](#)

Engineering Data

[EPLAN.WSCAD](#)**Safety note**

Safety notice

[Safety Information](#)

## SAK Series

### SAKS 3/35 G/5X30 500V

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## Accessories

### Fuses



### Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
G 25/2.00A/ F BL	<a href="#">0192700000</a>	Active components, Fuse	4008190176402	10 pc(s).
G 25/1.00A/ M RT	<a href="#">0265800000</a>	Active components, Fuse	4008190141660	10 pc(s).
G 20/4.00A/ G 20/2.00A/	<a href="#">F0431200000</a> <a href="#">F0430900000</a>	Active components, Fuse	4008190022983 4008190123567	10 pc(s). 10 pc(s).
G 25/0.25A/ M GE	<a href="#">0546900000</a>	Active components, Fuse	4008190097370	10 pc(s).
G 20/0.63A/ G 20/5.00A/ G 20/1.60A/	<a href="#">F0439000000</a> <a href="#">F0431300000</a> <a href="#">F0430800000</a>	Active components, Fuse	4008190131210 4008190185381 4008190031503	10 pc(s). 10 pc(s). 10 pc(s).
E 16/25A GE TNDZ	<a href="#">0208800000</a>	Active components, Cartridge fuse	4008190037314	25 pc(s).
G 25/6.30A/ F GN	<a href="#">0192900000</a>	Active components, Fuse	4008190135461	10 pc(s).
G 25/4.00A/ F BR	<a href="#">0192800000</a>	Active components, Fuse	4008190115319	10 pc(s).
G 20/0.10A/ G 20/1.00A/ G 20/2.50A/	<a href="#">F0430300000</a> <a href="#">F0430700000</a> <a href="#">F0431000000</a>	Active components, Fuse	4008190077174 4008190093877 4008190085513	10 pc(s). 10 pc(s). 10 pc(s).
G 25/10.0A/ M RT	<a href="#">0193100000</a>	Active components, Fuse	4008190023799	10 pc(s).
G 25/0.80A/ M GR	<a href="#">0646400000</a>	Active components, Fuse	4008190060794	10 pc(s).
G 20/0.25A/ G 20/0.50A/ G 20/6.30A/ G 20/0.20A/	<a href="#">F0430500000</a> <a href="#">F0430600000</a> <a href="#">F0431400000</a> <a href="#">F0430400000</a>	Active components, Fuse	4008190153991 4008190046835 4008190086053 4008190152383	10 pc(s). 10 pc(s). 10 pc(s). 10 pc(s).
G 25/0.50A/ M WS	<a href="#">0510300000</a>	Active components, Fuse	4008190018368	10 pc(s).
G 20/3.15A/	<a href="#">F0431100000</a>	Active components, Fuse	4008190012977	10 pc(s).

**Data sheet**

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**Accessories**

**Slotted screwdriver**

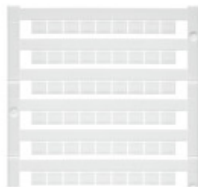
Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip



**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
SDS 1.0X5.5X150	<a href="#">9008350000</a>	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm	4032248056316	1 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	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/6.5 MC SDR	<a href="#">1609850000</a>	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50 Weidmueller, To customer specification	4008190456610	180 pc(s).

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# Accessories

## Plus



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### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/8 PLUS	<a href="#">1046350000</a>	Dekafix, Terminal marker,	4032248782055	800 pc(s).
MC NE WS		5 x 8 mm, Pitch in mm (P): 8.00 Weidmueller, white		

## Blank



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### General ordering data

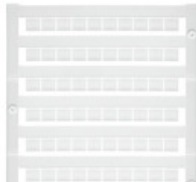
Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/8 MC	<a href="#">1856740000</a>	Dekafix, Terminal marker,	4032248400850	800 pc(s).
NE WS		5 x 8 mm, Pitch in mm (P): 8.00 Weidmueller, white		

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# Accessories

## Custom printing



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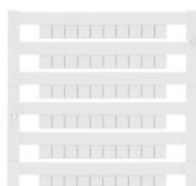
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### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/6 MC	<a href="#">1609830000</a>	Dekafix, Terminal marker,	4008190456603	200 pc(s).
SDR		5 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, To customer specification		

## Custom printing



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### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC	<a href="#">1609810000</a>	Dekafix, Terminal marker,	4008190456597	200 pc(s).
SDR		5 x 5 mm, Pitch in mm		



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## Accessories

(P): 5.00 Weidmueller, To  
 customer specification

### Custom printing



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### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/8 PLUS MC SDR	<a href="#">1046370000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 Weidmueller, To customer specification	4032248782079	160 pc(s).
DEK 5/8 MC SDR	<a href="#">1856750000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 Weidmueller, To customer specification	4032248400867	160 pc(s).

### End bracket



#### **Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
EWK 1 ALT	<a href="#">0495160000</a>	Accessories, End bracket	4008190160777	50 pc(s).
EWK 1	<a href="#">0206160000</a>	Accessories, End bracket	4008190080020	50 pc(s).
EW 35	<a href="#">0383560000</a>	Accessories, End bracket	4008190181314	50 pc(s).
EWK 2	<a href="#">0199360000</a>	Accessories, End bracket	4008190023546	50 pc(s).

## Data sheet

### SAK Series SAKS 3/35 G/5X30 500V

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## Accessories

WEW 32/1 [1067600000](#) W-Series, End bracket 4008190099657 50 pc(s).

### Marking Holder



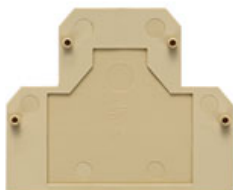
#### Spring connection with tension clamp Technology

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

#### General ordering data

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

### End plates



#### Klippon® Connect with clamping yoke Technology

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#### General ordering data

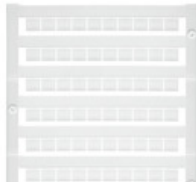
Type	Order No.	Version	GTIN (EAN)	Qty.
AP SAKS1+3 KRG/DB	<a href="#">0191300000</a>	SAK Series, End plate, 3 mm, dark beige, Direct mounting	4008190099763	20 pc(s).
AP SAKS1+3 KRG	<a href="#">0191320000</a>	SAK Series, End plate, 3 mm, dark beige, yellow, Direct mounting	4008190031688	20 pc(s).

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# Accessories

## Blank



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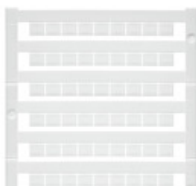
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/6 MC	<a href="#">1609820000</a>	Dekafix, Terminal marker,	4008190203436	1,000 pc(s).
NE WS		5 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, white		

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### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/6.5 MC	<a href="#">1609840000</a>	Dekafix, Terminal marker, 5	4008190203429	900 pc(s).
NE WS		x 6.5 mm, Pitch in mm (P): 6.50 Weidmueller, white		

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**Accessories**

**DEK 5/8**



**WS/ DEK**

MultiMark DEK/WS connector 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	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/8 MM	<a href="#">2007130000</a>	Dekafix, Terminal marker, 5	4050118392012	500 pc(s).
WS		x 8 mm, Weidmueller, white		

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**Accessories**

**Blank**



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**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/5 MC	<a href="#">1609801044</a>	Dekafix, Terminal marker,	4008190397111	1,000 pc(s).
NE WS		5 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, white		