

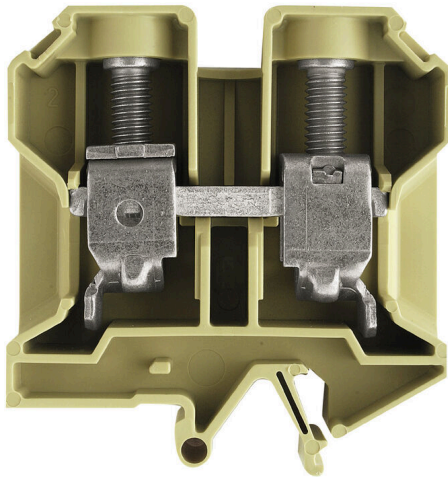
**SAK 35N****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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	Feed-through terminal block, Screw connection, beige / yellow, 35 mm <sup>2</sup> , 125 A, 800 V, Number of connections: 2
Order No.	<a href="#">0550660000</a>
Type	SAK 35N
GTIN (EAN)	4008190165925
Qty.	20 items

## SAK 35N

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 Germany

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## Technical data

### Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

### Dimensions and weights

Depth	67.5 mm	Depth (inches)	2.6575 inch
Height	58 mm	Height (inches)	2.2835 inch
Width	16 mm	Width (inches)	0.6299 inch
Net weight	51.35 g		

### Temperatures

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

### Environmental Product Compliance

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

### Material data

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

### System specifications

Version	Screw connection, for screwable cross-connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 32	N-function	No
PE function	No	PEN function	No

### Additional technical data

Open sides	right	Number of similar terminals	1
Explosion-tested version	No	Type of mounting	Clamped

### CSA rating data

Wire cross section max. (CSA)	2 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	120 A	Certificate No. (CSA)	154685-1501714
Wire cross section min. (CSA)	12 AWG		

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## Technical data

## Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	35 mm <sup>2</sup>	Connection type, additional connection	Screw connection
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## Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B8	Wire connection cross section AWG, max.	AWG 2
Connection direction	on side	Tightening torque, max.	5 Nm
Tightening torque, min.	4 Nm	Stripping length	18 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	50 mm <sup>2</sup>	Clamping range, min.	2.5 mm <sup>2</sup>
Clamping screw	M 6	Blade size	6.5 x 1.2 mm
Wire connection cross section AWG, min.	AWG 12	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	35 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	2.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	50 mm <sup>2</sup>
Connection cross-section, stranded, min.	2.5 mm <sup>2</sup>	Twin wire-end ferrules, max.	16 mm <sup>2</sup>
Twin wire-end ferrules, min.	1.5 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	16 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	2.5 mm <sup>2</sup>	Connection cross-section, finely stranded, min.	2.5 mm <sup>2</sup>

## General

Wire connection cross section AWG, max.	AWG 2	Wire connection cross section AWG, min.	AWG 12
Standards	IEC 60947-7-1	Mounting rail	TS 32

## Rating data

Rated cross-section	35 mm <sup>2</sup>	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	125 A
Current at maximum wires	150 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.26 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	4.00 W	Pollution severity	3

## UL rating data

Conductor size Factory wiring max. (UR)	2 AWG	Current size C (UR)	100 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	12 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	12 AWG
Conductor size Field wiring max. (UR)	2 AWG		

## Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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## Accessories

## 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.

## General ordering data

Type	AP SAK35/TW SAK16	Version
Order No.	<a href="#">0303660000</a>	End plate for terminals, beige, Height: 58 mm, Width: 1.5 mm, V-2,
GTIN (EAN)	4008190110765	PA 66, Snap-on: Yes
Qty.	10 ST	
Type	AP SAK35/TW SAK16 BL	Version
Order No.	<a href="#">0303680000</a>	End plate for terminals, blue, Height: 58 mm, Width: 1.5 mm, V-2, PA
GTIN (EAN)	4008190025199	66, Snap-on: Yes
Qty.	10 ST	
Type	TW SAK35	Version
Order No.	<a href="#">0304360000</a>	Partition plate (terminal), beige, Height: 74 mm, Width: 1.5 mm, V-2,
GTIN (EAN)	4008190038885	PA 66
Qty.	20 ST	

## Testadapter and testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

## General ordering data

Type	PS 4 F.STB 4	Version
Order No.	<a href="#">0299600000</a>	Test adapter (terminal), 230 V
GTIN (EAN)	4008190074043	
Qty.	20 ST	

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## Accessories

## Mounting support



We offer a broad portfolio of mounting support for easy handling and supplementation of our products. From various tools to insulating sleeves and various screws, our components are matched to each other down to the last detail and thus facilitate assembly in compliance with the respective standards and protective regulations.

## General ordering data

Type	SS M4 D 128-A 4	Version
Order No.	<a href="#">0136400000</a>	Lock washer, Copper
GTIN (EAN)	4008190118143	
Qty.	100 ST	
Type	BFSC M4X30	Version
Order No.	<a href="#">0267100000</a>	Mounting screw (Terminal), 4.00 mm, Steel, Depth: 7 mm, Width: 7 mm, Height: 30 mm
GTIN (EAN)	4008190187897	
Qty.	50 ST	
Type	BFSC M4X32 PA/NA	Version
Order No.	<a href="#">0129100000</a>	Mounting screw (Terminal), 4.00 mm, Polyamide 66, Depth: 7 mm, Width: 7 mm, Height: 32 mm
GTIN (EAN)	4008190020842	
Qty.	100 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	VH 17/8.2/5.2	Version
Order No.	<a href="#">0267000000</a>	Connecting sleeve (terminal), when screwed in, Width: 8 mm, Height: 8 mm, Depth: 17 mm, Number of poles: 1, Cu Zn
GTIN (EAN)	4008190146986	
Qty.	50 ST	

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## Accessories

### Warning cover



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

### General ordering data

Type	AD 4 SAK35N	Version	
Order No.	<a href="#">0576700000</a>	Terminal cover, yellow, PVC, Height: 37 mm, Width: 63.6 mm, Depth:	
GTIN (EAN)	4008190119881	1 mm, V-2	
Qty.	50 ST		

### 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 5/5 MC SDR	Version	
Order No.	<a href="#">1609810000</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00	
GTIN (EAN)	4008190456597	Weidmueller, To customer specification	
Qty.	200 ST		

## SAK 35N

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## Accessories

## Blank



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## General ordering data

Type	DEK 5/5 MC NE WS	Version	
Order No.	<a href="#">1609801044</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00	
GTIN (EAN)	4008190397111	Weidmueller, white	
Qty.	1000 ST		

## Testadapter and testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

## General ordering data

Type	STB 16/D7/4/M4 SAK35	Version	
Order No.	<a href="#">0140200000</a>	SAK Series, Socket	
GTIN (EAN)	4008190134884		
Qty.	50 ST		

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## Accessories

### Custom printing



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### General ordering data

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

### Blank



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### General ordering data

Type	DEK 5/6 MC NE WS	Version	
Order No.	<a href="#">1609820000</a>		Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436		Weidmueller, white
Qty.	1000 ST		
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

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## Custom printing



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  - 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		

## Plus



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.

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

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## Accessories

## Custom printing



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

## 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		

## SAK 35N

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## Accessories

### Cross-connections



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### General ordering data

Type	QL 2 SAK35N	Version
Order No.	<a href="#">0564900000</a>	Cross-connector (terminal), when screwed in, grey, 99 A, Number of poles: 2, Pitch in mm (P): 8.00, Insulated: No, Width: 24.2 mm
GTIN (EAN)	4008190099282	
Qty.	50 ST	
Type	QL 10 SAK35N	Version
Order No.	<a href="#">0565200000</a>	Cross-connector (terminal), when screwed in, grey, 99 A, Number of poles: 10, Pitch in mm (P): 8.00, Insulated: No, Width: 152.2 mm
GTIN (EAN)	4008190174286	
Qty.	20 ST	

### 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	QL 3 SAK35N	Version
Order No.	<a href="#">0565000000</a>	Cross-connector (terminal), when screwed in, grey, 99 A, Number of poles: 3, Pitch in mm (P): 8.00, Insulated: No, Width: 40.2 mm
GTIN (EAN)	4008190076597	
Qty.	50 ST	
Type	QL 4 SAK35N	Version
Order No.	<a href="#">0565100000</a>	Cross-connector (terminal), when screwed in, grey, 99 A, Number of poles: 4, Pitch in mm (P): 8.00, Insulated: No, Width: 56.2 mm
GTIN (EAN)	4008190162139	
Qty.	50 ST	

## SAK 35N

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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 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	

## DEK 5/6



## WS/ DEK

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- 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.	<a href="#">2007120000</a>	Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104	
Qty.	600 ST	