Weidmüller

SAK 35N

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	SAK Series, Feed-through terminal, Rated cross-section: 35 mm², Screw connection, beige
Order No.	0550660000
Type	SAK 35N
GTIN (EAN)	4008190165925
Qty.	20 pc(s).

Creation date March 29, 2022 3:40:19 AM CEST

SAK 35N

Technical data

Dimensions and weights

Depth	67.5 mm	Depth (inches)	2.657 inch
Height	58 mm	Height (inches)	2.283 inch
Width	16 mm	Width (inches)	0.63 inch
Net weight	51.35 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, 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
Rail	TS 32	N-function	No
PE function	No	PEN function	No

Additional technical data

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

CSA rating data

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

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	35 mm²		

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Weidmüller ⧓

SAK 35N

Technical data

Conductors for clamping (rated connection)

Blade size	6.5 x 1.2 mm	Clamping range, max.	50 mm²
Clamping range, min.	2.5 mm²	Clamping screw	M 6
Connection cross-section, stranded, max.	50 mm²	Connection cross-section, stranded, min.	4 mm²
Connection direction	on side	Gauge to IEC 60947-1	B8
Number of connections	2	Stripping length	18 mm
Tightening torque, max.	5 Nm	Tightening torque, min.	4 Nm
Twin wire-end ferrules, max.	16 mm²	Twin wire-end ferrules, min.	1.5 mm²
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 2
Wire connection cross section AWG, min.	AWG 12	Wire connection cross section, finely stranded, max.	35 mm²
Wire connection cross section, finely stranded, min.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm²	Wire connection cross-section, solid core, max.	16 mm²
Wire connection cross-section, solid core, min.	2.5 mm²		

General

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

Rating data

Rated cross-section	35 mm²	Rated voltage	800 V
Rated 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 W
Pollution severity	3		

UL rating data

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

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

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SAK 35N

Technical data

Approvals

Approvals	

ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	EAC certificate
	DNVGL certificate
	MARITREG Certificate
	Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
Product Change Notification	20210308 Technical Change SAK PA 32
Catalogues	Catalogues in PDF-format

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SAK 35N

Accessories

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 5/6 MC NE WS	Version	
Order No.	1609820000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00	
GTIN (EAN)	4008190203436	Weidmueller, white	
Qty.	1,000 pc(s).		

Screws

Depending on the terminal block or also accessories, we offer different types of screws as additional items or also spare parts.

General ordering data

Type	BFSC M4X30	Version	
Order No.	0267100000	Accessories, Mounting screw, for cross-connection link	
GTIN (EAN)	4008190187897		
Qty.	50 pc(s).		

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SAK 35N

Accessories

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 SAK35	Version	
Order No.	0304360000	SAK Series, Partition plate, 1.5 mm, beige, Direct mounting	
GTIN (EAN)	4008190038885		
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.
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General ordering data

Type	DEK 5/5 MC SDR	Version	
Order No.	1609810000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00	
GTIN (EAN)	4008190456597	Weidmueller, To customer specification	
Qty.	200 pc(s).		

Creation date March 29, 2022 3:40:19 AM CEST

SAK 35N

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 35N

Accessories

Custom printing

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- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
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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).		
Type	DEK 5/8 PLUS MC SDR	Version	
Order No.	1046370000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00	
GTIN (EAN)	4032248782079	Weidmueller, To customer specification	
Qty.	160 pc(s).		

Miscellaneous

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.	0136400000	Accessories, Lock washer
GTIN (EAN)	4008190118143	
Qty.	100 pc(s).	

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SAK 35N

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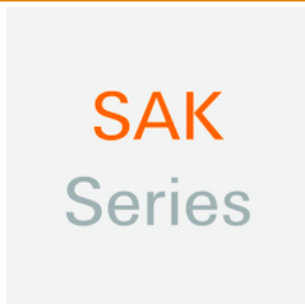
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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 5/6 MC SDR	Version	
Order No.	1609830000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00	
GTIN (EAN)	4008190456603	Weidmueller, To customer specification	
Qty.	200 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 SAK35/TW SAK16 BL	Version	
Order No.	0303680000	SAK Series, End plate, 1.5 mm, blue	
GTIN (EAN)	4008190025199		
Qty.	10 pc(s).		
Type	AP SAK35/TW SAK16	Version	
Order No.	0303660000	SAK Series, End plate, 1.5 mm, beige	
GTIN (EAN)	4008190110765		
Qty.	10 pc(s).		

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SAK 35N

Accessories

QL / SAK 35

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	QL 2 SAK35N	Version
Order No.	0564900000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190099282	poles: 2
Qty.	50 pc(s).	
Type	QL 10 SAK35N	Version
Order No.	0565200000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190174286	poles: 10
Qty.	20 pc(s).	
Type	QL 3 SAK35N	Version
Order No.	0565000000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190076597	poles: 3
Qty.	50 pc(s).	
Type	QL 4 SAK35N	Version
Order No.	0565100000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190162139	poles: 4
Qty.	50 pc(s).	

Test plugs

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.	0299600000	Accessories, Test plug
GTIN (EAN)	4008190074043	
Qty.	20 pc(s).	

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SAK 35N

Accessories

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.	0140200000	SAK Series, Socket	
GTIN (EAN)	4008190134884		
Qty.	50 pc(s).		

Plus

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General ordering data

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

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Accessories

DEK 5/6

WS/ DEK

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General ordering data

Type	DEK 5/6 MM WS	Version	
Order No.	2007120000	Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white	
GTIN (EAN)	4050118392104		
Qty.	600 pc(s).		

Connection sleeves

General ordering data

Type	VH 17/8/5 SAK35	Version	
Order No.	0267000000	SAK Series, Connecting sleeve, for cross-connection link, Number of	
GTIN (EAN)	4008190146986	poles:	
Qty.	50 pc(s).		

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SAK 35N

Accessories

SAK-Series

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.	0576700000	SAK Series, cover plate, yellow, 63.6 mm	
GTIN (EAN)	4008190119881		
Qty.	50 pc(s).		

Blank

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General ordering data

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

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SAK 35N

Accessories

Blank

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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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