

**SAKDU 2.5N BK**

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

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

**General ordering data**

Version	Feed through terminal with rated cross section 2.5mm <sup>2</sup>
Order No.	<a href="#">1525970000</a>
Type	SAKDU 2.5N BK
GTIN (EAN)	4050118344233
Qty.	100 items

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

## Dimensions and weights

Depth	40 mm	Depth (inches)	1.5748 inch
Depth including DIN rail	41 mm	Height	44 mm
Height (inches)	1.7323 inch	Width	5.5 mm
Width (inches)	0.2165 inch	Net weight	5.5 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 without exemption
REACH SVHC	No SVHC above 0.1 wt%

## Material data

Basic material	PA 66/6	Colour	black
UL 94 flammability rating	V-0		

## System specifications

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 35
N-function	No	PE function	No
PEN function	No		

## Additional technical data

Explosion-tested version	No	Type of mounting	Snap-on
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## 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.	0.6 Nm
Tightening torque, min.	0.4 Nm	Stripping length	10 mm
Type of connection	Screw connection	Number of connections	2

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Clamping range, max.	2.5 mm <sup>2</sup>	Clamping range, min.	0.5 mm <sup>2</sup>
Clamping screw	M 2.5	Wire connection cross section AWG, min.	AWG 20
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 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, max.	2.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>	Connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>

### General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 20
Mounting rail	TS 35		

### Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	24 A
Current at maximum wires	24 A	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	0.77 W
Surge voltage category	III	Pollution severity	3

### UL rating data

Conductor size Factory wiring max. (UR)	12 AWG	Conductor size Factory wiring min. (UR)	20 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	20 AWG
Conductor size Field wiring max. (UR)	12 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

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## Accessories

## General ordering data

Type	SAKQ 2.5/2	Version
Order No.	<a href="#">1129270000</a>	Cross-connector (terminal), when screwed in, grey, Number of poles:
GTIN (EAN)	4032248996124	2, Pitch in mm (P): 5.50, Insulated: No, Width: 6 mm
Qty.	50 ST	
Type	SAKQ 2.5/3	Version
Order No.	<a href="#">1129280000</a>	Cross-connector (terminal), when screwed in, grey, Number of poles:
GTIN (EAN)	4032248996131	3, Pitch in mm (P): 5.50, Insulated: No, Width: 6 mm
Qty.	50 ST	
Type	SAKQ 2.5/4	Version
Order No.	<a href="#">1129290000</a>	Cross-connector (terminal), when screwed in, grey, Number of poles:
GTIN (EAN)	4032248996148	4, Pitch in mm (P): 5.50, Insulated: No, Width: 6 mm
Qty.	50 ST	
Type	SAKQ 2.5/10	Version
Order No.	<a href="#">1129300000</a>	Cross-connector (terminal), when screwed in, grey, Number of poles:
GTIN (EAN)	4032248996155	10, Pitch in mm (P): 5.50, Insulated: No, Width: 6 mm
Qty.	20 ST	
Type	SAKQ 2.5/10/5	Version
Order No.	<a href="#">2614270000</a>	Cross-connector (terminal), when screwed in, grey, 24 A, Number of
GTIN (EAN)	4050118622409	poles: 5, Pitch in mm (P): 11.00, Insulated: No, Width: 6 mm
Qty.	20 ST	
Type	SAKAP 2.5-4	Version
Order No.	<a href="#">1129460000</a>	End and partition plate for terminals, grey, Height: 39 mm, Width: 1.5
GTIN (EAN)	4032248970643	mm, V-0, PA 66/6
Qty.	20 ST	
Type	SAKAP 2.5-4 BL	Version
Order No.	<a href="#">1370210000</a>	End and partition plate for terminals, blue, Height: 39 mm, Width: 1.5
GTIN (EAN)	4050118178616	mm, V-0, PA 66/6
Qty.	20 ST	
Type	TSCH 5	Version
Order No.	<a href="#">1485880000</a>	Small partition (terminal), PA 66/6, grey, Continuous operating temp.,
GTIN (EAN)	4050118315394	max.: 120 °C
Qty.	100 ST	
Type	SAKEW 35	Version
Order No.	<a href="#">1129450000</a>	End and partition plate for terminals, grey, Height: 50 mm, Width: 8.5
GTIN (EAN)	4032248970612	mm, V-0, PA 66/6
Qty.	50 ST	
Type	SAKTW 35	Version
Order No.	<a href="#">2696960000</a>	End and partition plate for terminals, grey, Height: 55 mm, Width: 1.5
GTIN (EAN)	4050118861464	mm, V-0, PA 66/6
Qty.	20 ST	

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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	SDS 0.6X3.5X100	Version	
Order No.	<a href="#">2749340000</a>	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm	
GTIN (EAN)	4050118895568		
Qty.	1 ST		

## Dekafix



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.

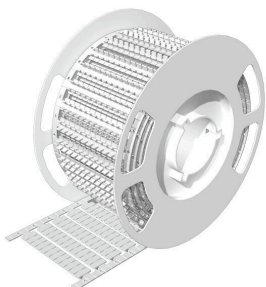
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- 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 5/5.5 PLUS MC NE	Version	
Order No.	<a href="#">1125030000</a>	Dekafix, Terminal marker, 5 x 5.5 mm, Pitch in mm (P): 5.50	
GTIN (EAN)	4032248956777	Weidmueller, white	
Qty.	1000 ST		

## BLM



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## Accessories

### General ordering data

Type	BLM 5/5.5 TB	Version	
Order No.	<a href="#">7760380690</a>	BLM, Terminal marker, 5 x 5.5 mm, Pitch in mm (P): 5.50	
GTIN (EAN)	6944 1698 19 124	Weidmueller, white	
Qty.	6000 ST		