

## SAKDU 50

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, 50 mm <sup>2</sup> , 1000 V, 150 A, grey
Order No.	<a href="#">2039800000</a>
Type	SAKDU 50
GTIN (EAN)	4050118450170
Qty.	10 Stück
Local product	Only available in certain countries

Erstellungs-Datum April 28, 2023 11:34:52 AM CEST

Katalogstand 14.04.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### General ordering data

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### Dimensions and weights

Depth	68 mm	Depth (inches)	2.677 inch
Depth including DIN rail	68 mm	Height	71 mm
Height (inches)	2.795 inch	Width	18.5 mm
Width (inches)	0.728 inch	Net weight	84.26 g

### Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

### Material data

Material	PA 66/6	Colour	grey
UL 94 flammability rating	V-0		

### System specifications

End cover plate required	Yes	Number of levels	1
Number of clamping points per level	2	Levels cross-connected internally	No
Rail	TS 35		

### Additional technical data

Type of mounting Snap-on

### Conductors for clamping (rated connection)

Clamping range, max.	50 mm <sup>2</sup>	Clamping range, min.	16 mm <sup>2</sup>
Clamping screw	M 6	Connection cross-section, stranded, max.	50 mm <sup>2</sup>
Connection cross-section, stranded, min.	16 mm <sup>2</sup>	Connection direction	on side
Gauge to IEC 60947-1	B10	Number of connections	2
Stripping length	22 mm	Tightening torque, max.	6 Nm
Tightening torque, min.	3.5 Nm	Wire connection cross section, finely stranded, max.	50 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	16 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	50 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	16 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	50 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	16 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	16 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	16 mm <sup>2</sup>		

### General

Rail TS 35

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### Rating data

Rated cross-section	50 mm <sup>2</sup>	Rated voltage	1,000 V
Rated current	150 A	Current at maximum wires	150 A
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	4.8 W	Pollution severity	3
Surge voltage category	III		

### UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	0 AWG
Conductor size Factory wiring min. (cURus)	10 AWG	Conductor size Field wiring max. (cURus)	0 AWG
Conductor size Field wiring min. (cURus)	10 AWG	Current size B (cURus)	150 A
Current size C (cURus)	150 A	Current size D (cURus)	5 A
Voltage size B (cURus)	600 V	Voltage size C (cURus)	600 V
Voltage size D (cURus)	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	ECLASS 12.0	27-14-11-20

### Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">CE Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	