

SAKTL 6 STB**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Current and voltage transformer wiring**

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

General ordering data

Version	Test-disconnect terminal, grey, 6 mm ² , 41 A, 500 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, PA 66/6
Order No.	2018390000
Type	SAKTL 6 STB
GTIN (EAN)	4050118437140
Qty.	50 pc(s).
Local product	Only available in certain countries

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Dimensions and weights

Depth	47.5 mm	Depth (inches)	1.87 inch
Depth including DIN rail	47.5 mm	Height	69 mm
Height (inches)	2.717 inch	Width	7.9 mm
Width (inches)	0.311 inch	Net weight	23.11 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 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 35
N-function	No	PE function	No
PEN function	No		

Additional technical data

Explosion-tested version	No	Open sides	right
Type of mounting	Snap-on		

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Technical data

Conductors for clamping (rated connection)

Clamping range, max.	6 mm ²	Clamping range, min.	0.5 mm ²
Clamping screw	M 3.5	Connection cross-section, stranded, max.	10 mm ²
Connection cross-section, stranded, min.	0.5 mm ²	Connection direction	on side
Gauge to IEC 60947-1	A5	Number of connections	2
Stripping length	12 mm	Tightening torque, max.	1.2 Nm
Tightening torque, min.	0.8 Nm	Wire connection cross section AWG, max.	AWG 10
Wire connection cross section AWG, min.	AWG 20	Wire connection cross section, finely stranded, max.	10 mm ²
Wire connection cross section, finely stranded, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, solid core, max.	10 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

Disconnect terminals

Cross-disconnect	without	Integral test socket	No
Slitting	sliding	Torque max. screw separator	0.7 Nm
Torque min. screw separator	0.5 Nm		

General

Rail	TS 35	Wire connection cross section AWG, max.	AWG 10
Wire connection cross section AWG, min.	AWG 20		

Rating data

Rated cross-section	6 mm ²	Rated voltage	500 V
Rated DC voltage	500 V	Rated current	41 A
Current at maximum wires	41 A	Volume resistance according to IEC 60947-7-x	0.78 mΩ
Rated impulse withstand voltage	6 kV	Power loss in accordance with IEC 60947-7-x	1.31 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	10 AWG
Conductor size Factory wiring min. (UR)	20 AWG	Conductor size Field wiring max. (UR)	10 AWG
Conductor size Field wiring min. (UR)	20 AWG	Current size B (UR)	30 A
Current size C (UR)	30 A	Current size D (UR)	10 A
Voltage size B (UR)	300 V	Voltage size C (UR)	150 V
Voltage size D (UR)	300 V		

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Technical data

Classifications

ETIM 6.0	EC000902	ETIM 7.0	EC000902
ETIM 8.0	EC000902	ETIM 9.0	EC000902
ECLASS 9.0	27-14-11-26	ECLASS 9.1	27-14-11-26
ECLASS 10.0	27-14-11-26	ECLASS 11.0	27-14-11-26
ECLASS 12.0	27-14-11-26	ECLASS 13.0	27-25-01-09
ECLASS 14.0	27-25-01-09		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	/

Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity	CE Declaration of Conformity UKCA declaration of conformity
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

