



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, medium yellow, 240 mm ² , 415 A, 1000 V, Number of connections: 1
Order No.	0638120000
Type	SAKG 54/35 II
GTIN (EAN)	4008190068646
Qty.	5 items

SAKG 54/35 II

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

Dimensions and weights

Depth	60.5 mm	Depth (inches)	2.3819 inch
Height	122 mm	Height (inches)	4.8031 inch
Width	54 mm	Width (inches)	2.126 inch
Net weight	587.6 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

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

Material data

Basic material	KrG	Colour	medium yellow
UL 94 flammability rating	V-0, 5VA		

System specifications

Version	Stud terminal	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		

Additional technical data

Open sides	Open	Number of similar terminals	1
Installation advice	Direct mounting	Explosion-tested version	No
Type of mounting	Snap-on		

CSA rating data

Wire cross section max. (CSA)	500 kcmil	Voltage size C (CSA)	600 V
Current size C (CSA)	600 A	Certificate No. (CSA)	12400-199
Wire cross section min. (CSA)	300 kcmil		

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

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Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	kcmil 500	Connection direction	on side
Tightening torque, max.	60 Nm	Tightening torque, min.	25 Nm
Type of connection	Screw connection	Number of connections	1
Clamping range, max.	240 mm ²	Clamping range, min.	10 mm ²
Clamping screw	M 16	Wire connection cross section AWG, min.	kcmil 300
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	10 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	10 mm ²
Wire connection cross section, finely stranded, max.	240 mm ²	Wire connection cross section, finely stranded, min.	10 mm ²
Connection cross-section, stranded, max.	240 mm ²	Connection cross-section, stranded, min.	10 mm ²
Wire connection cross-section, solid core, max.	240 mm ²	Wire connection cross-section, solid core, min.	10 mm ²
Connection cross-section, finely stranded, min.	10 mm ²		

General

Wire connection cross section AWG, max.	kcmil 500	Installation advice	Direct mounting
Wire connection cross section AWG, min.	kcmil 300	Standards	IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	240 mm ²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	415 A
Current at maximum wires	415 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.08 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	13.28 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (UR)	500 kcmil	Current size C (UR)	380 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	300 kcmil
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	300 kcmil
Conductor size Field wiring max. (UR)	500 kcmil		

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		