

MK 6/3/E**Weidmüller Interface GmbH & Co. KG**

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Germany

www.weidmueller.com**Product image** Similar to illustration

Multi-pole terminal strips are suitable for wiring in junction boxes and small distribution boxes. The different numbers of poles offer the possibilities of direct mounting inside the housings.

General ordering data

Version	Single- and multi-pole terminal strip, Screw connection, medium yellow, 6 mm ² , 41 A, 690 V, Number of connections: 6, Number of levels: 1
Order No.	7906230000
Type	MK 6/3/E
GTIN (EAN)	4008190576431
Qty.	50 ST

Technical data

Approvals

Approvals



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

Dimensions and weights

Depth	22 mm	Depth (inches)	0.8661 inch
Height	23 mm	Height (inches)	0.9055 inch
Width	36.5 mm	Width (inches)	1.437 inch
Net weight	28.39 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °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

Material	KrG	Colour	medium yellow
UL 94 flammability rating	5VA		

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV18ATEX8209U	Certificate No. (IECEX)	IECEXTUR18.0019U
Max. voltage (ATEX)	440 V	Current (ATEX)	36 A
Wire cross section max. (ATEX)	6 mm ²	Max. voltage (IECEX)	440 V
Current (IECEX)	36 A	Wire cross section max. (IECEX)	6 mm ²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

Version	For the mounting rails	End cover plate required	No
Number of potentials	1	Number of levels	1
Rail	Mounting plate		

Additional technical data

Installation advice	Direct mounting	Explosion-tested version	No
Type of mounting	Direct mounting		

Technical data

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 10
Connection direction	on side	Tightening torque, max.	1.2 Nm
Tightening torque, min.	1.2 Nm	Stripping length	9 mm
Type of connection 2	Screw connection	Type of connection	Screw connection
Number of connections	6	Clamping range, max.	6 mm ²
Clamping range, min.	0.33 mm ²	Clamping screw	M 4
Blade size	4.0 x 0.8 mm	Wire connection cross section AWG, min.	AWG 22
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 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, max.	6 mm ²	Wire connection cross section, finely stranded, min.	0.5 mm ²
Connection cross-section, stranded, max.	6 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Torque level with DMS electric screwdriver	4	Wire connection cross-section, solid core, max.	6 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

Dimensions

Fixing dimension 13 mm

General

Number of poles	3	Wire connection cross section AWG, max.	AWG 10
Installation advice	Direct mounting	Wire connection cross section AWG, min.	AWG 22
Standards	IEC 60947-7-1	Rail	Mounting plate

Rating data

Rated cross-section	6 mm ²	Rated voltage	690 V
Rated DC voltage	690 V	Rated current	41 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.78 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.31 W	Pollution severity	3

UL rating data

Voltage size B (UR)	300 V	Current size B (UR)	30 A
Conductor size Factory wiring max. (UR)	10 AWG	Current size C (UR)	30 A
Voltage size C (UR)	300 V	Conductor size Factory wiring min. (UR)	22 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	22 AWG
Conductor size Field wiring max. (UR)	10 AWG		

Technical data**Classifications**

ETIM 6.0	EC001284	ETIM 7.0	EC001284
ETIM 8.0	EC001284	ETIM 9.0	EC001284
ETIM 10.0	EC001284	ECLASS 9.0	27-14-11-06
ECLASS 9.1	27-14-11-06	ECLASS 10.0	27-14-11-06
ECLASS 11.0	27-14-11-06	ECLASS 12.0	27-14-11-06
ECLASS 13.0	27-14-11-06	ECLASS 14.0	27-14-11-06
ECLASS 15.0	27-14-11-06		