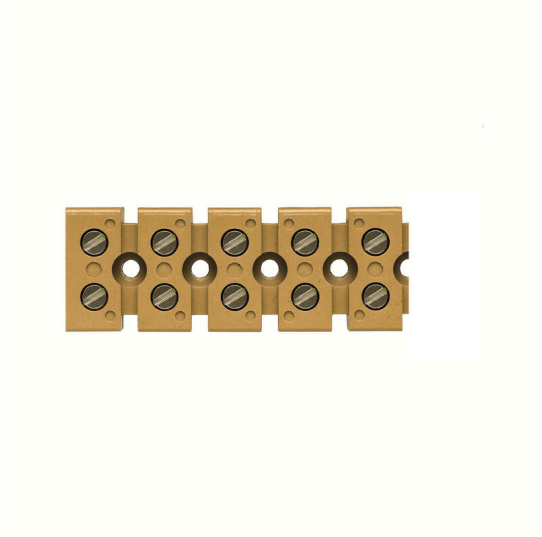
Data sheet

MK 6/5/E

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

www.weidmueller.com

Product image



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	Single- and multi-pole terminal strip, Screw connection, medium yellow, 6 mm², 41 A, 690 V, Number of connections: 10, Number of levels: 1
Order No.	7906250000
Type	MK 6/5/E
GTIN (EAN)	4008190576455
Qty.	20 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	22 mm	Depth (inches)	0.8661 inch
Height	23 mm	Height (inches)	0.9055 inch
Width	62.5 mm	Width (inches)	2.4606 inch
Net weight	47.08 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

Basic 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 mm²	Max. voltage (IECEX)	440 V
Current (IECEX)	36 A	Wire cross section max. (IECEX)	6 mm²
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
Mounting rail	Mounting plate		

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

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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	10	Clamping range, max.	6 mm²
Clamping range, min.	0.33 mm²	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 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.33 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.33 mm²
Wire connection cross section, finely stranded, max.	6 mm²	Wire connection cross section, finely stranded, min.	0.33 mm²
Connection cross-section, stranded, max.	6 mm²	Connection cross-section, stranded, min.	0.33 mm²
Torque level with DMS electric screwdriver	4	Wire connection cross-section, solid core, max.	6 mm²
Wire connection cross-section, solid core, min.	0.33 mm²		

Dimensions

Fixing dimension	13 mm

General

Number of poles	5	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	Mounting rail	Mounting plate

Rating data

Rated cross-section	6 mm²	Rated voltage	690 V
Rated DC voltage	690 V	Nominal 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		

Classifications

ETIM 8.0	EC001284	ETIM 9.0	EC001284
ETIM 10.0	EC001284	ECLASS 14.0	27-14-11-06

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Technical data

ECLASS 15.0	27-14-11-06