Data sheet

MK 3/8 BL

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, blue, 2.5 mm², 24 A, 400 V, Number of connections: 16, Number of levels: 1
Order No.	0274470000
Type	MK 3/8 BL
GTIN (EAN)	4008190467531
Qty.	25 items
Delivery status	Discontinued
Available until	2020-12-31T00:00:00+01:00
Alternative product	MK 3/8

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

Dimensions and weights

Depth	16.1 mm	Depth (inches)	0.6339 inch
Height	15 mm	Height (inches)	0.5906 inch
Width	72.75 mm	Width (inches)	2.8642 inch
Net weight	31.36 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	blue
Colour of operational elements	No	UL 94 flammability rating	5VA

System specifications

Version	For the mounting rails	End cover plate required	No
Number of levels	1	Number of clamping points per level	16
N-function	No	PE function	No
PEN function	No		

Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	300 V
Current size C (CSA)	25 A	Certificate No. (CSA)	12400-149
Wire cross section min. (CSA)	22 AWG		

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A2	Wire connection cross section AWG, max.	AWG 12
Connection direction	on side	Tightening torque, max.	0.45 Nm

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Tightening torque, min.	0.4 Nm	Stripping length	5 mm
Type of connection	Screw connection	Number of connections	16
Clamping range, max.	4 mm²	Clamping range, min.	0.33 mm²
Clamping screw	M 2.5	Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 22	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²	Wire connection cross section, finely stranded, max.	2.5 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²	Connection cross-section, stranded, max.	2.5 mm²
Connection cross-section, stranded, min.	1.5 mm²	Torque level with DMS electric screwdriver	1
Wire connection cross-section, solid core, max.	4 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

General

Number of poles	8	Wire connection cross section AWG, max.	AWG 12
Installation advice	Direct mounting	Wire connection cross section AWG, min.	AWG 22
Standards	IEC 60947-7-1		

Rating data

Rated cross-section	2.5 mm²	Rated voltage	400 V
Rated DC voltage	400 V	Nominal current	24 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Surge voltage category	III
Pollution severity	3		

UL rating data

Voltage size B (UR)	300 V	Current size B (UR)	20 A
Conductor size Factory wiring max. (UR)	12 AWG	Current size D (UR)	5 A
Conductor size Factory wiring min. (UR)	22 AWG	Certificate No. (UR)	E60693
Conductor size Field wiring min. (UR)	22 AWG	Voltage size D (UR)	600 V
Conductor size Field wiring max. (UR)	12 AWG		

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		