Data sheet

MK 3/4 B 412

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, 2.5 mm², 24 A, 400 V, Number of connections: 8, Number of levels: 1
Order No.	1380770000
Type	MK 3/4 B 412
GTIN (EAN)	4050118182484
Qty.	50 items
Delivery status	This article will no longer be available in the future.
Last order date	2027-04-30T00:00:00+02:00
Alternative product	MK 3/4

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	16.1 mm	Depth (inches)	0.6339 inch
Height	15 mm	Height (inches)	0.5906 inch
Width	35.75 mm	Width (inches)	1.4075 inch
Net weight	14.58 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	5VA		

System specifications

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		

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 (additional connection)

Connection type, additional connection	Screw connection

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
Tightening torque, min.	0.4 Nm	Stripping length	5 mm
Type of connection 2	Screw connection	Type of connection	Screw connection

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Number of connections	8	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.	0.33 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.	0.33 mm²
Wire connection cross-section, finely stranded, max.	2.5 mm²	Wire connection cross section, finely stranded, min.	0.33 mm²
Connection cross-section, stranded, max.	2.5 mm²	Connection cross-section, stranded, min.	0.33 mm²
Torque level with DMS electric screwdriver	1	Wire connection cross-section, solid core, max.	4 mm²
Wire connection cross-section, solid core, min.	0.33 mm²		

Dimensions

Fixing dimension	18.5 mm

General

Number of poles	4	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	Mounting rail	Mounting plate

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	1.33 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

Classifications

ETIM 8.0	EC001284	ETIM 9.0	EC001284
ETIM 10.0	EC001284	ECLASS 14.0	27-14-11-06
ECLASS 15.0	27-14-11-06		