



Model Number

MMB60-12H50-E2-V1

Features

- Stainless steel sensing face
- 3-wire DC

Accessories

V1-G-OR2M-POC

Female cordset, M12, 4-pin, TPE cable, welding-bead resistant

V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable

V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

DM 60-31-15

Permanent magnet for magnetic field sensors

MH-12H-02-FA

Mounting aid

Technical Data

General specifications

Switching function	Normally open (NO)
Output type	PNP
Rated operating distance	s_n 60 mm
Installation	flush
Output polarity	DC
Actuating element	magnetic
Output type	3-wire

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	5000 Hz
Hysteresis	H	1 ... 10 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.5 V DC
Operating current	I_L	≤ 100 mA
Current consumption		< 10 mA

Indicators/operating means

Operation indicator	4-way LED	Switching state indicator: yellow
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Ambient conditions

Ambient temperature	0 ... 100 °C (32 ... 212 °F)
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Mechanical specifications

Connection type	V1 connector (M12 x 1), 4-pin
Housing material	stainless steel V4A
Sensing face	stainless steel V4A
Degree of protection	IP65 / IP68 / IP69K /

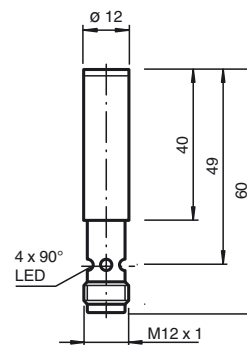
Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012

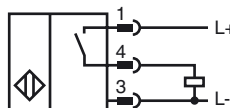
Approvals and certificates

UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤ 36 V

Dimensions

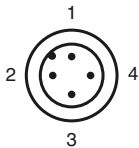


Electrical Connection





Pinout



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)