



Model Number

MB60-12GM50-E2-V1

Features

- **Basic series**
- **60 mm flush with permanent magnet DM 60-31-15**

Accessories

BF 12

Mounting flange, 12 mm

V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable

EXG-12

Quick mounting bracket with dead stop

V1-G

Female connector, M12, 4-pin, field attachable

V1-W

Female connector, M12, 4-pin, field attachable

Technical Data

General specifications

Switching element function	PNP	NO
Rated operating distance	s_n	60 mm
Installation	flush in non-magnetic metal	
Output polarity	DC	
Assured operating distance	s_a	10 ... 48.6 mm

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 5000 Hz
Reverse polarity protection	reverse polarity protected	
Short-circuit protection	pulsing	
Voltage drop	U_d	≤ 1.5 V
Operating current	I_L	0 ... 300 mA
No-load supply current	I_0	≤ 10 mA

Indicators/operating means

LED indicator	yellow: switching state
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Ambient conditions

Ambient temperature	-25 ... 75 °C (-13 ... 167 °F)
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Mechanical specifications

Connection type	Connector M12 x 1, 4-pin
Housing material	brass, nickel-plated
Sensing face	PA
Degree of protection	IP67

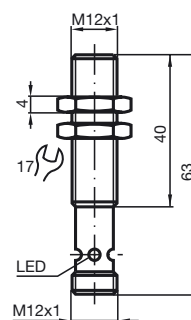
Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

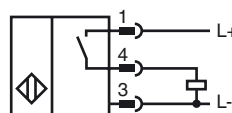
Approvals and certificates

CCC approval	CCC approval / marking not required for products rated ≤ 36 V
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Dimensions

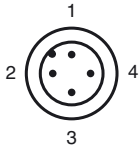


Electrical Connection





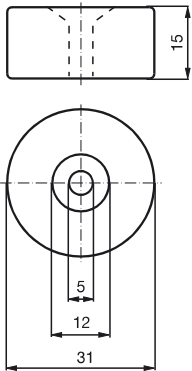
Pinout



Wire colors in accordance with EN 60947-5-2

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

Magnet DM 60-31-15



Magnet DM 25-32-07

