

# Magnetic field sensor

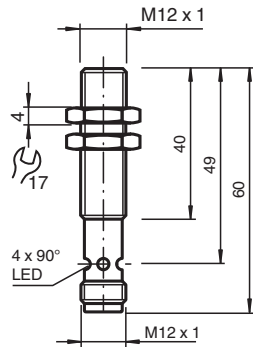
## MMB60-12GH50-E2-V1



- Stainless steel sensing face
- 3-wire DC



### Dimensions



### 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	$U_d$	$\leq 2.5$ V DC
Operating current	$I_L$	$\leq 200$ mA
Current consumption		$< 10$ mA

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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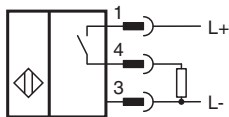
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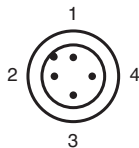
## Technical Data

<b>Indicators/operating means</b>	
Operation indicator	4-way LED Yellow: output
<b>Compliance with standards and directives</b>	
Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007
<b>Approvals and certificates</b>	
UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤36 V
<b>Ambient conditions</b>	
Ambient temperature	-25 ... 75 °C (-13 ... 167 °F)
<b>Mechanical specifications</b>	
Connection type	V1 connector (M12 x 1), 4-pin
Housing material	stainless steel V4A
Sensing face	stainless steel V4A
Degree of protection	IP65 / IP67 /

## Connection





## Connection Assignment





Wire colors in accordance with EN 60947-5-2

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

## Accessories

	<b>V1-G-OR2M-POC</b>	Female cordset single-ended M12 straight A-coded, 4-pin, POC cable welding-bead resistant orange, suitable for robotic applications, torsion resistant, oil resistant, molecularly cross-linked
	<b>V1-G-2M-PUR</b>	Female cordset single-ended M12 straight A-coded, 4-pin, PUR cable grey

**Accessories**

	<b>V1-W-2M-PUR</b>	Female cordset single-ended M12 angled A-coded, 4-pin, PUR cable grey
	<b>DM 60-31-15</b>	Permanent magnet for magnetic field sensors