

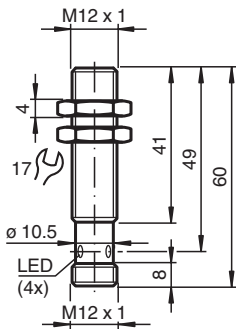
# Magnetic field sensor MMB70-12GH50-1N-V1



- Comfort series
- 70 mm flush



## Dimensions



## Technical Data

### General specifications

Switching function		Normally open (NO)
Output type		NAMUR
Rated operating distance	$s_n$	5 ... 70 mm
Installation		flush in non-magnetic metal
Output type		2-wire

### Nominal ratings

Nominal voltage	$U_o$	8.2 V ( $R_i$ approx. 1 k $\Omega$ )
Switching frequency	f	0 ... 1000 Hz
Current consumption		
Magnet detected		$\geq 2.3$ mA
Magnet not detected		$\leq 1$ mA
Switching state indicator		LED, yellow

### Functional safety related parameters

MTTF <sub>d</sub>		2828 a
Mission Time ( $T_M$ )		20 a
Diagnostic Coverage (DC)		0 %

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

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## Technical Data

### Compliance with standards and directives

Standard conformity		
NAMUR		EN 60947-5-6:2000
Standards		EN 60947-5-2:2007 EN 60947-5-2/A1:2012

### Approvals and certificates

IECEX approval		
Equipment protection level Ga		IECEX TUN 20.0007
Equipment protection level Da		IECEX TUN 20.0007
ATEX approval		
Equipment protection level Ga		TÜV 20 ATEX 241336
Equipment protection level Da		TÜV 20 ATEX 241336

### Ambient conditions

Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
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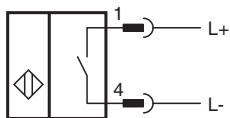
### Mechanical specifications

Connection type		Connector plug
Housing material		Stainless steel 1.4404 / AISI 316L
Sensing face		Stainless steel 1.4404 / AISI 316L
Degree of protection		IP67
Connector		
Threading		M12 x 1
Number of pins		4
Dimensions		
Length		60 mm
Diameter		12 mm

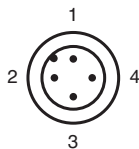
### General information

Use in the hazardous area		see instruction manuals
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## Connection

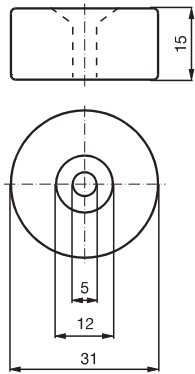


## Connection Assignment

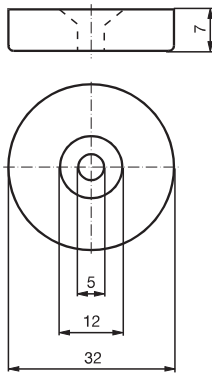


**Additional Information**

**Magnet DM 60-31-15**



**Magnet DM 25-32-07**



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