

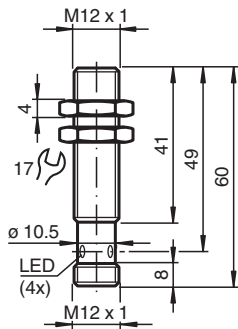


Magnetic field sensor MMB70-12GH50-1N-V1

- 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 Ω)
Switching frequency	f	0 ... 1000 Hz
Current consumption		
Magnet detected		≥ 2.5 mA
Magnet not detected		≤ 1 mA
Switching state indicator		LED, yellow

Functional safety related parameters

MTTF _d		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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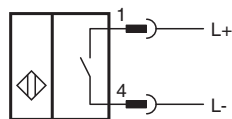
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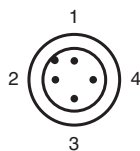
Technical Data

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)
Mechanical specifications		
Connection type		Connector plug M12 x 1 , 4-pin
Housing material		Stainless steel 1.4404 / AISI 316L
Sensing face		Stainless steel 1.4404 / AISI 316L
Degree of protection		IP67
Dimensions		
Length		60 mm
Diameter		12 mm
General information		
Use in the hazardous area		see instruction manuals

Connection



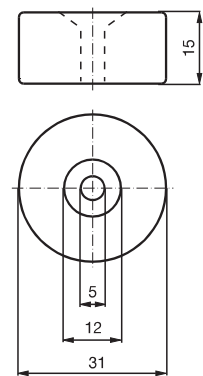
Connection Assignment



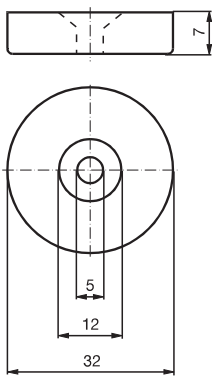
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Additional Information

Magnet DM 60-31-15



Magnet DM 25-32-07



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