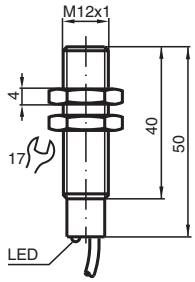
Magnetic field sensor

MMB70-12GH50-1N

- 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 kΩ)
Switching frequency	f	0 ... 1000 Hz
Current consumption		
Magnet detected		≥ 2.3 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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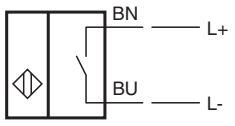
Technical Data

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		cable
Housing material		Stainless steel 1.4404 / AISI 316L
Sensing face		Stainless steel 1.4404 / AISI 316L
Degree of protection		IP67
Cable		
Wire end ferrules		yes
Material		PVC
Color		blue
Number of cores		2
Core cross section		0.34 mm²
Length	L	2 m
Dimensions		
Length		50 mm
Diameter		12 mm
General information		
Use in the hazardous area		see instruction manuals

Connection



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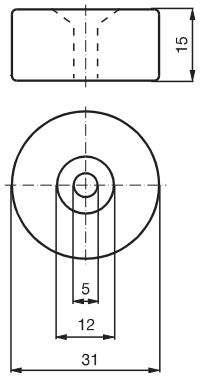
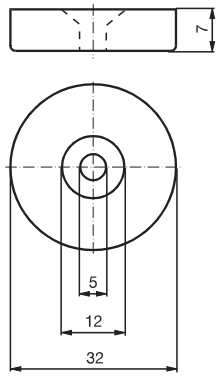
Additional Information

Magnet DM 60-31-15



Magnet DM 25-32-07



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