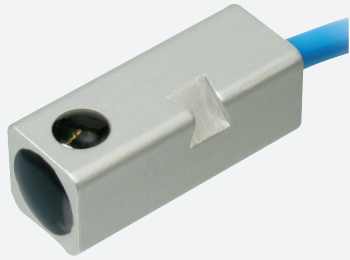


Magnetic field sensor

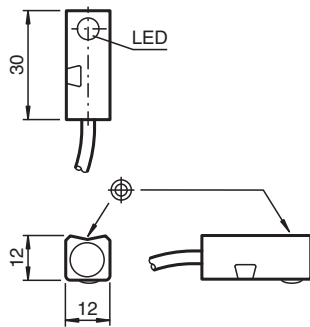
MB35-F12-1N-5M



- Comfort series
- 35 mm flush



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		NAMUR
Rated operating distance	s_n	35 mm
Installation		flush
Assured operating distance	s_a	0 ... 35 mm
Output type		2-wire

Nominal ratings

Nominal voltage	U_o	8.2 V (R_i approx. 1 k Ω)
Switching frequency	f	0 ... 5000 Hz
Current consumption		
Magnet detected		≥ 3 mA
Magnet not detected		≤ 1 mA
Switching state indicator		LED, yellow

Functional safety related parameters

MTTF _d		2781 a
Mission Time (T_M)		20 a

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

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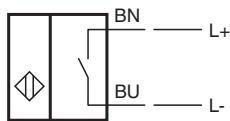
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**

Technical Data

Diagnostic Coverage (DC)		0 %
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 Gb		IECEX TUN 20.0007
Equipment protection level Da		IECEX TUN 20.0007
ATEX approval		
Equipment protection level Gb		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		anodized aluminum
Sensing face		black plastic
Degree of protection		IP67
Cable		
Material		PVC
Color		blue
Number of cores		2
Core cross section		0.34 mm²
Length	L	5 m
Dimensions		
Height		12 mm
Width		12 mm
Length		30 mm
General information		
Use in the hazardous area		see instruction manuals

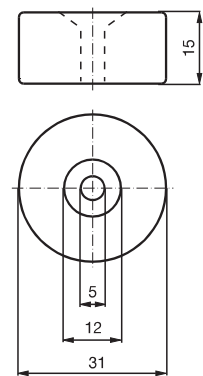
Connection



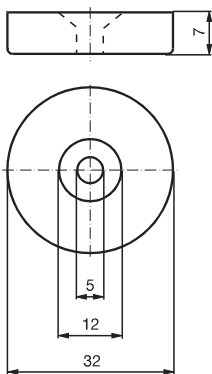
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Additional Information

Magnet DM 60-31-15



Magnet DM 25-32-07



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