

Product characteristics

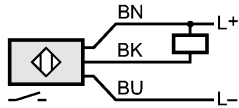
Magnetic sensor	
Metal thread M12 x 1	
Cable	
Sensing range 60 mm; referred to magnet M4.0	
Magnetic sensitivity 1.2 mT	
Electrical data	
Electrical design	DC NPN
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	5000
Monitoring range	
Sensing range [mm]	60, referred to magnet M4.0
Magnetic sensitivity [mT]	1.2
Accuracy / deviations	
Hysteresis [% of Sr]	1...10
Environment	
Ambient temperature [°C]	-25...75
Protection	IP 67
Tests / approvals	
EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 20hm) EN 61000-4-6 HF conducted: 10 V EN 55011: class B
MTTF [Years]	2419
Mechanical data	
Housing materials	housing: stainless steel; active face: PBT orange
Weight [kg]	0.106
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	PUR cable / 2 m; 3 x 0.34 mm ²

Wiring

MFS202 - Magnetic sensor - eclass: 27270104 / 27-27-01-04

Core colors

BK black
BN brown
BU blue



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

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