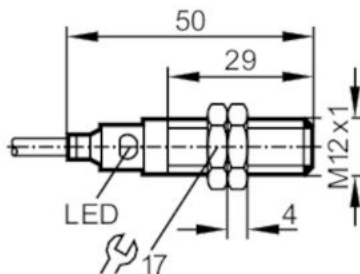


MFS201



Magnetic sensor

MFB3060-BPKG/M/ZH



Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 10
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	5000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	60; (referred to magnet M 4.0)
Response sensitivity	[mT]	1.2

Accuracy / deviations

Hysteresis	[% of Sr]	1...10
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Operating conditions

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: 2 Ohm
	EN 61000-4-6 HF conducted	10 V
MTTF	EN 55011	class B
	[years]	2680

MFS201



Magnetic sensor

MFB3060-BPKG/M/ZH

Mechanical data	
Weight [g]	111.2
Housing	threaded type
Dimensions [mm]	M12 x 1 / L = 50
Thread designation	M12 x 1
Materials	housing: stainless steel; sensing face: PBT orange

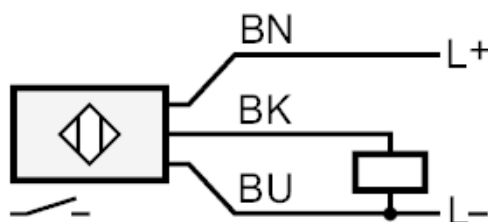
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 2 m, PUR; 3 x 0.34 mm ²	

Connection



Core colours :

- BK = black
- BN = brown
- BU = blue