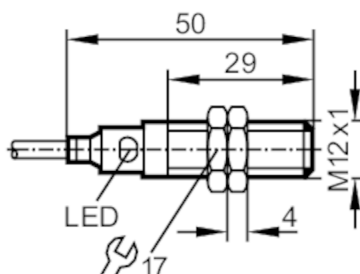




Magnetic sensor

MFB3060-ANKG/M/ZH



Product characteristics

Electrical design	NPN
Output function	normally open
Sensing range [mm]	60; (referred to magnet M 4.0)
Housing	threaded type
Dimensions [mm]	M12 x 1 / L = 50

Electrical data

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

Outputs

Electrical design	NPN
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



Magnetic sensor

MFB3060-ANKG/M/ZH

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
	EN 55011	class B
MTTF	[years]	2419

Mechanical data

Weight	[g]	108
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
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Accessories

Accessories (supplied)	lock nuts: 2
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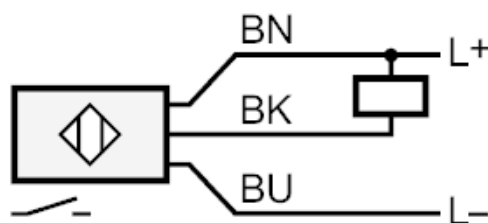
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PUR; 3 x 0.34 mm²

Connection



Core colours :

BK =	black
BN =	brown
BU =	blue