

MF5002



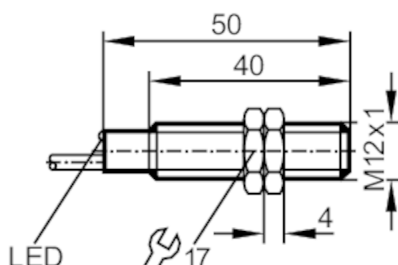
Magnetic sensor

MFA3060-BPKG

Article no longer available - archive entry

Alternative articles: MFS201

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	PNP
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
Reverse polarity protection	yes
Max. power-on delay time [ms]	2

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2
Permanent current rating of switching output DC [mA]	300
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)
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Accuracy / deviations

Hysteresis [% of Sr]	1...10
Repeatability [% of Sr]	1

Operating conditions

Ambient temperature [°C]	-25...75
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Protection	IP 67
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Tests / approvals

EMC	EN 60947-5-2
Shock/vibration resistance	30 g (11 ms) / 10-55 Hz (1 mm)

Mechanical data

Housing	threaded type
Dimensions [mm]	M12 x 1 / L = 50
Thread designation	M12 x 1
Materials	brass nickel-plated; sensing face: plastics

Displays / operating elements

Display	switching status	1 x LED, yellow
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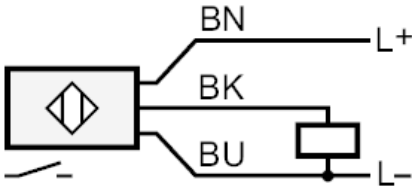
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PUR / PVC; 3 x 0.25 mm²

Connection



	Core colours :
BN =	brown
BU =	blue
BK =	black