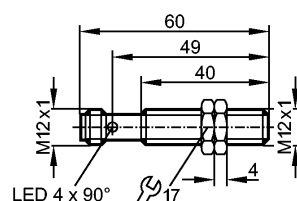


MFS211

MFK3060-BPKG/AM/G/US

Magnetic sensors, cylinder sensors



Made in Germany

Product characteristics

Magnetic sensor with GMR cell

Metal thread M12 x 1

Connector

Full metal housing

gold-plated contacts

Sensing range 60 mm; referred to magnet M4.0

Magnetic sensitivity 1.3 mT

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	yes
Overload protection	yes
Switching frequency [Hz]	5000

Range

Sensing range [mm]	60, referred to magnet M4.0
Magnetic sensitivity [mT]	1.3

Accuracy / deviations

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

Ambient temperature [°C]	-25...75
Protection	IP 65 / IP 67

Tests / approvals

EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated: 100 V/m (80...2000 MHz)
	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 (0.15...80 MHz)
	EN 55011: class B
	DIN ISO 7637-2: 100 V/m

Mechanical data

MFS211

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Magnetic sensors, cylinder sensors

Housing materials	housing: stainless steel (316L); active face: stainless steel (316L); connector: PA (polyamide); lock nuts: brass
Weight [kg]	0.029

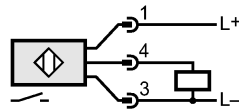
Displays / operating elements

Output status indication	LED	yellow (4 x 90°)
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Electrical connection

Connection	M12 connector; gold-plated contacts
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Wiring



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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