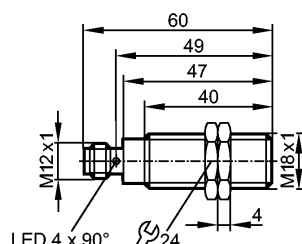


MGT203

MGK3070-BPKG/AM/V4A/G/US

Magnetic sensors, cylinder sensors



Made in Germany

Product characteristics

Magnetic sensor with GMR cell

Metal thread M18 x 1

Connector

Full metal housing

gold-plated contacts

Sensing range 70 mm; referred to magnet M4.0

Magnetic sensitivity 0.9 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]	100
Short-circuit protection	yes
Overload protection	yes
Switching frequency [Hz]	5000

Range

Sensing range [mm]	70, referred to magnet M4.0
Magnetic sensitivity [mT]	0.9

Accuracy / deviations

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

Ambient temperature [°C]	0...100
Protection	IP 65 / IP 68 / IP 69K

Tests / approvals

EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 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
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Mechanical data

MGT203

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Housing materials	housing: stainless steel (316L); active face: stainless steel (316L); lock nuts: stainless steel; connector: PEI
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Weight	[kg]	0.05
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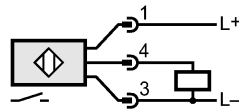
Displays / operating elements

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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