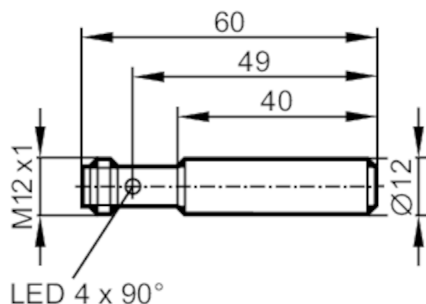


MFT204



Full-metal magnetic sensor

MFG3060-BPKG/AM/V4A/G/US



Application

Pressure rating	[bar]	100
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Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 10
Protection class		III
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]	100
Switching frequency DC	[Hz]	5000
Short-circuit protection		yes
Overload protection		yes

Detection zone

Sensing range	[mm]	60; (referred to magnet M 4.0)
Response sensitivity	[mT]	1.3

Accuracy / deviations

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

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
	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
	DIN ISO 11452-2	100 V/m



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Mechanical data		
Weight	[g]	23
Housing		cylindrical
Dimensions	[mm]	Ø 12 / L = 60
Materials		housing: stainless steel (1.4404 / 316L); sensing face: stainless steel (1.4404 / 316L)
Full-metal housing		yes

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

Remarks		
Pack quantity		1 pcs.

Electrical connection - plug

Connector: 1 x M12; Contacts: gold-plated



Connection

