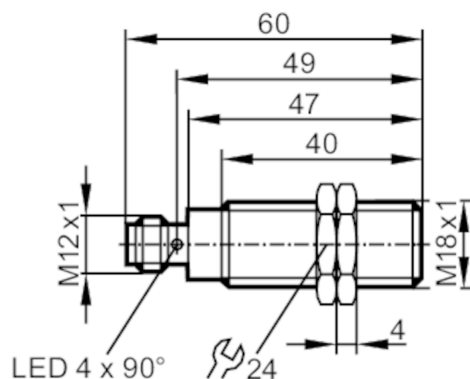


MGS205



Full-metal magnetic sensor

MGK3070-ANKG/AM/G/US



Application

Pressure rating [bar] 100

Electrical data

Operating voltage [V] 10...30 DC

Current consumption [mA] < 10

Protection class III

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

Overload protection yes

Detection zone

Sensing range [mm] 70; (referred to magnet M 4.0)

Response sensitivity [mT] 0.9

Accuracy / deviations

Hysteresis [% of Sr] 1...10

Operating conditions

Ambient temperature [°C] -25...75

Protection IP 65; IP 67

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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 emission	class B
	DIN ISO 11452-2	100 V/m

Mechanical data

Weight	[g]	48.8
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 60
Thread designation		M18 x 1
Materials		housing: stainless steel (1.4404 / 316L); sensing face: stainless steel (1.4404 / 316L); plug: PA; lock nuts: brass
Full-metal housing		yes

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 - plug

Connector: 1 x M12; Contacts: gold-plated



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Connection

