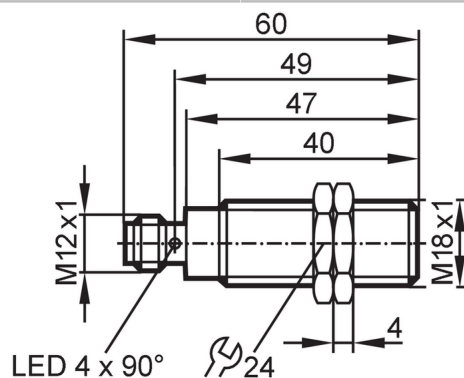


MGS205



Full-metal magnetic sensor

MGK3070-ANKG/AM/G/US



Product characteristics

Electrical design	NPN
Output function	normally open
Sensing range [mm]	70; (referred to magnet M 4.0)
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 60

Application

Special feature	gold-plated contacts; Full-metal housing
Pressure rating	100 bar10 MPa

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

Monitoring range

Sensing range [mm]	70; (referred to magnet M 4.0)
Magnetic sensitivity [mT]	0.9

Accuracy / deviations

Hysteresis [% of Sr]	1...10
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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]	48.9
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 60
Thread designation		M18 x 1
Material		housing: stainless steel (1.4404 / 316L); sensing face: stainless steel (1.4404 / 316L); LED window: PA; lock nuts: brass
Full-metal housing		yes

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

Accessories	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

