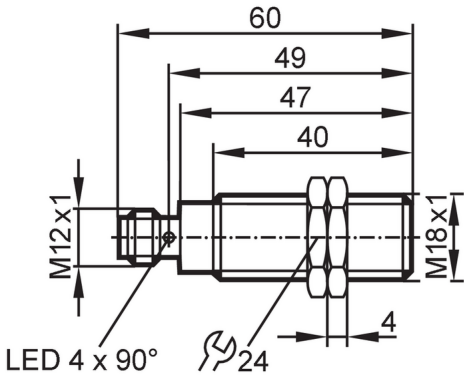
MGS204

Full-metal magnetic sensor

MGK3070-BPKG/AM/G/US



Product characteristics			
Electrical design			PNP
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 bar	10 MPa
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]		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
MTTF	[years]	1370	

Mechanical data		
Weight	[g]	49.7
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 60
Thread designation		M18 x 1
Materials		housing: stainless steel (316L/1.4404); sensing face: stainless steel (316L/1.4404); 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: 4, gold-plated



Connection

