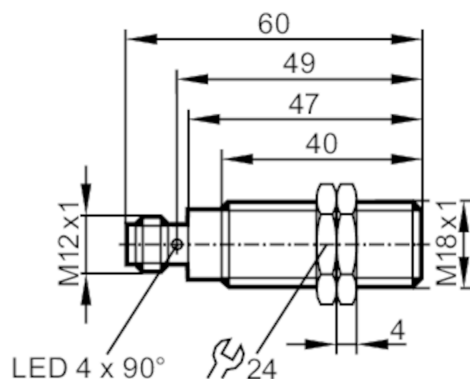




Magnetic sensor

MGK3100-BPKG/M/V4A/US-104-DPS



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
Short-circuit protection		yes
Overload protection		yes

Detection zone

Sensing range	[mm]	100; (referred to magnet M 4.0)
Response sensitivity	[mT]	0.3

Accuracy / deviations

Hysteresis	[% of Sr]	1...10
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Response times

Pulse stretching	[ms]	1000
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Operating conditions

Ambient temperature	[°C]	0...104
Protection		IP 68; IP 69K



Magnetic sensor

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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	class B
MTTF	[years]	769

Mechanical data

Weight	[g]	54.2
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 60
Thread designation		M18 x 1
Materials		housing: stainless steel (1.4404 / 316L); sensing face: PEEK; lock nuts: stainless steel

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

Remarks	voltage supply to EN50178, SELV, PELV
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M12; Contacts: gold-plated



Connection

