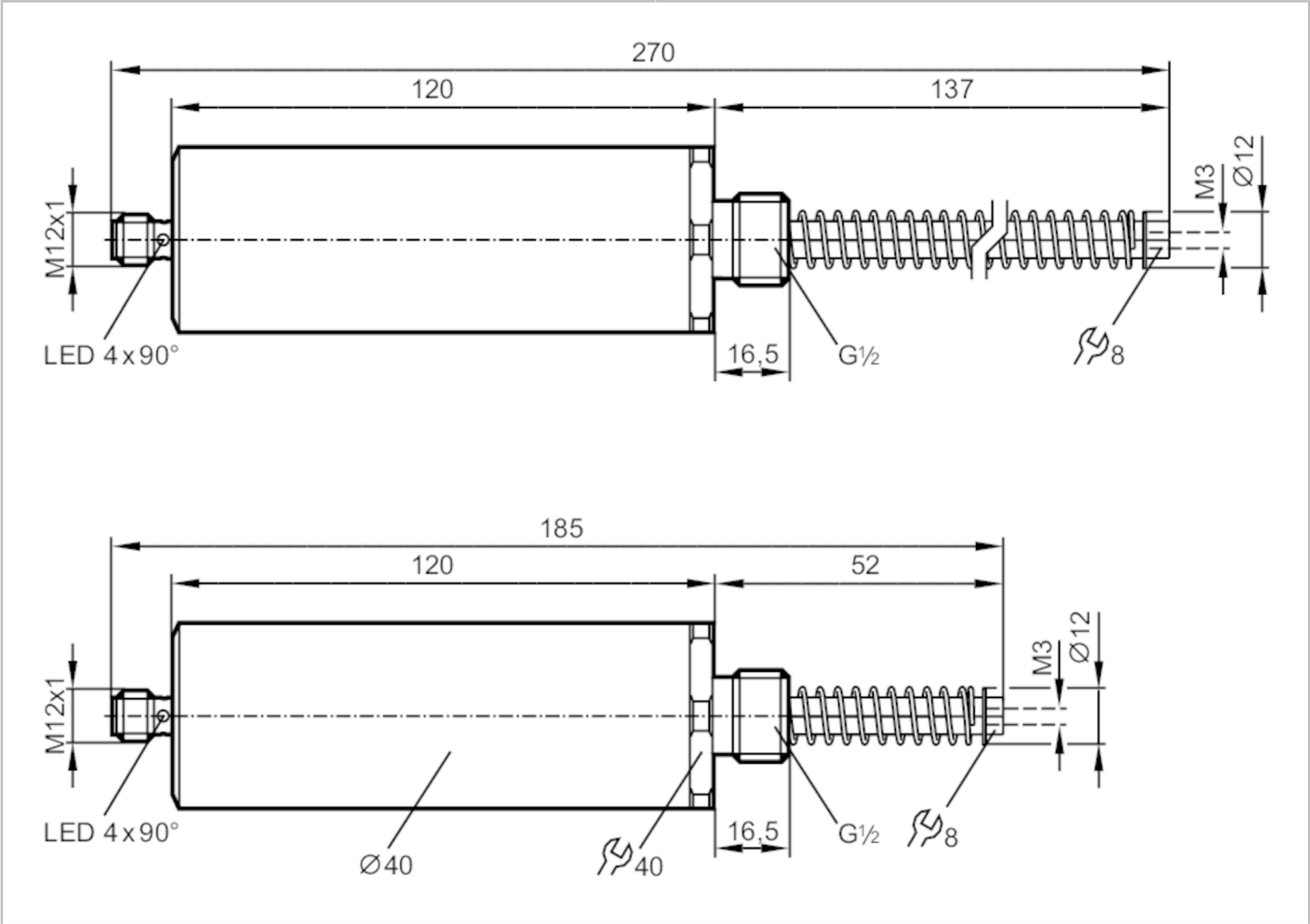


M95009



Magnetic sensor with three switch points for monitoring locked states

M9G4085PARKG/A/US



Product characteristics		
Output function		2 x normally closed / 1 x normally open
Dimensions	[mm]	Ø 40
Application		
Special feature		Gold-plated contacts
Electrical data		
Operating voltage	[V]	10...36 DC; ("supply class 2" to cULus)
Protection class		III
Reverse polarity protection		yes
Outputs		
Output function		2 x normally closed / 1 x normally open
Max. voltage drop switching output DC	[V]	5.4
Minimum load current	[mA]	2
Max. leakage current	[mA]	0.5
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	0.5



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Short-circuit protection	yes
Overload protection	yes

Detection zone

Measuring range	[mm]	52...137
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Accuracy / deviations

Hysteresis	[mm]	0.5
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Operating conditions

Ambient temperature	[°C]	-40...70
Protection	IP 20; IP 67; (plunger side: IP 20; connector side: IP 67)	

Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	3 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011 emission	class B
	IEC 60255-5	4 kV line to line, Ri: 500 Ohm
MTTF	[years]	277
UL approval	UL Approval no.	C002

Mechanical data

Weight	[g]	691
Dimensions	[mm]	Ø 40
Materials	brass white bronze coated; plunger: stainless steel; LED window: PA	
Tightening torque	[Nm]	< 20

Displays / operating elements

Display	switching status	4 x 90° LED, yellow OUT 1
	switching status	4 x 90° LED, red OUT 3

Remarks

Remarks	On delivery: all outputs / LEDs switch on/off / flashing
Pack quantity	1 pcs.

Electrical connection - plug

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



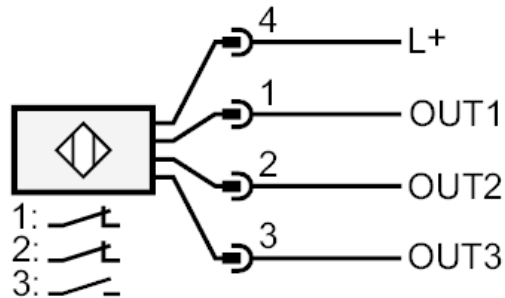
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Connection



OUT1:	locked
OUT2:	partly locked
OUT3:	unlocked