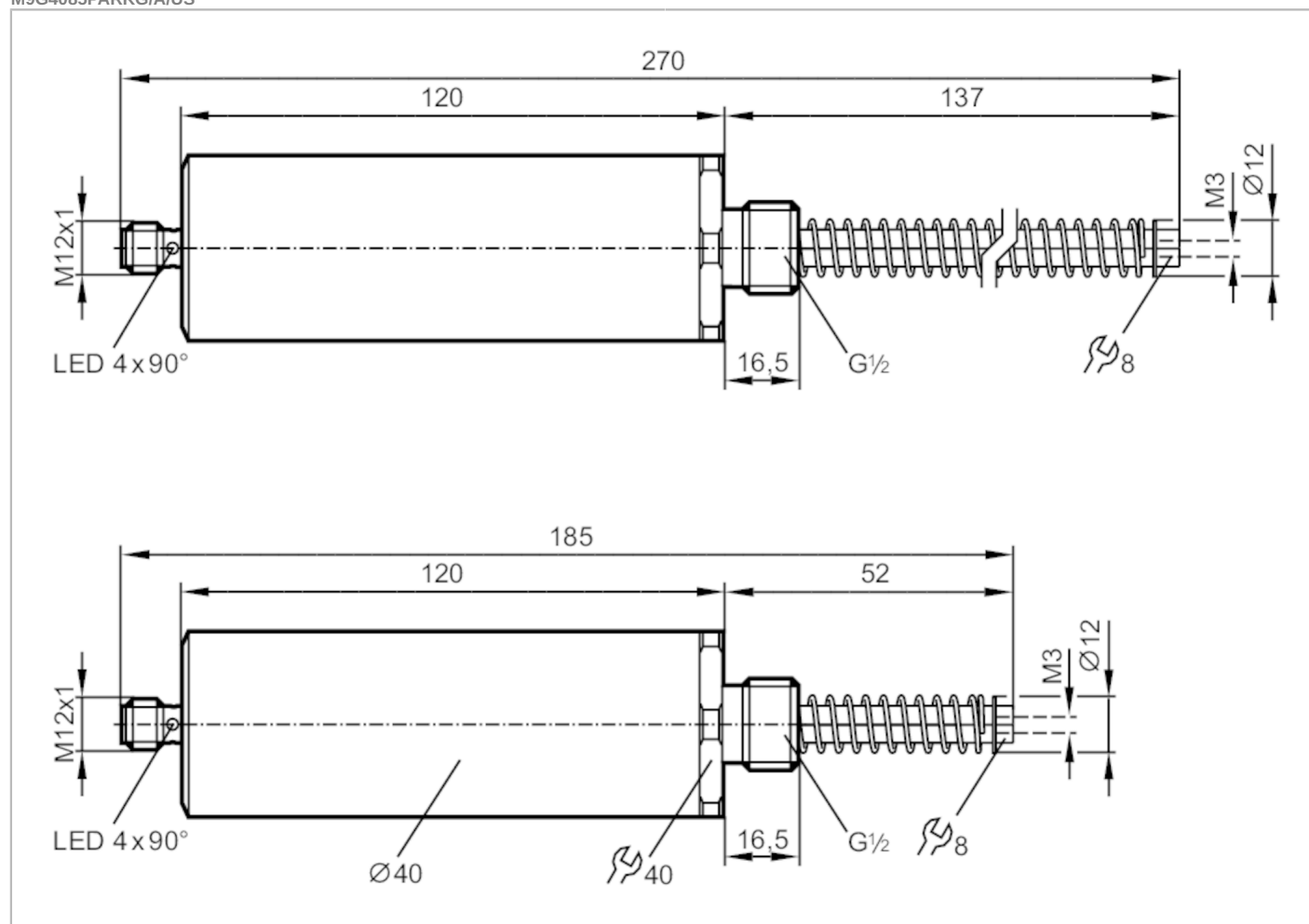


M95009



Magnetic sensor with two switch points for brake diagnosis

M9G4085PARKG/A/US



Product characteristics	
Output function	2 x normally closed, 1 x normally open
Dimensions [mm]	Ø 40
Application	
System	gold-plated contacts
Electrical data	
Operating voltage [V]	10...36 DC; (cULus - Class 2 source required)
Protection class	III
Reverse polarity protection	yes

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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	
Short-circuit protection	yes	
Overload protection	yes	
Monitoring range		
Measuring range [mm]	52...137	
Accuracy / deviations		
Hysteresis [mm]	0.5	
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 number	C002
Mechanical data		
Weight [g]	691	
Dimensions [mm]	Ø 40	
Material	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	Factory setting: all outputs / LEDs switch on/off / flash	
Pack quantity	1 pcs.	
Electrical connection - plug		
Connector: 1 x M12; Contacts: gold-plated		

M95009

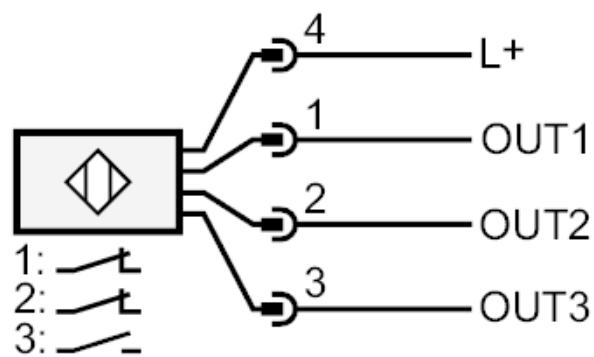


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Connection



OUT1: locked
OUT2: partly locked
OUT3: unlocked