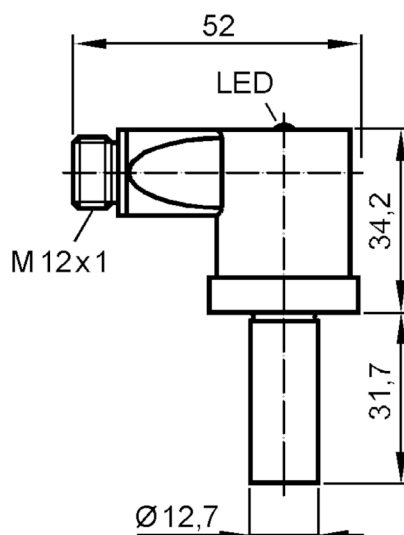


Pressure-resistant position sensor

IFG3002-BPKG/US-100-DPS

Article no longer available - archive entry



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	2

Application

Special feature	Magnetic-field immune
Pressure rating [psi]	3000
Magnetic-field immune	yes

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	15
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2
Permanent current rating of switching output DC [mA]	200
Short-time current rating of switching output [mA]	200
Switching frequency DC [Hz]	20
Short-circuit protection	yes



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Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Accuracy / deviations		
Correction factor	stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3	
Hysteresis	[% of Sr]	5
Switch point drift	[% of Sr]	-0.5...0.5
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection	IP 67	
Mechanical data		
Weight	[g]	181.44
Mounting	flush mountable	
Cylinder type	pneumatic and hydraulic cylinders	
Materials	aluminium	
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Connector: 1 x M12; coding: A		
		



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Connection

