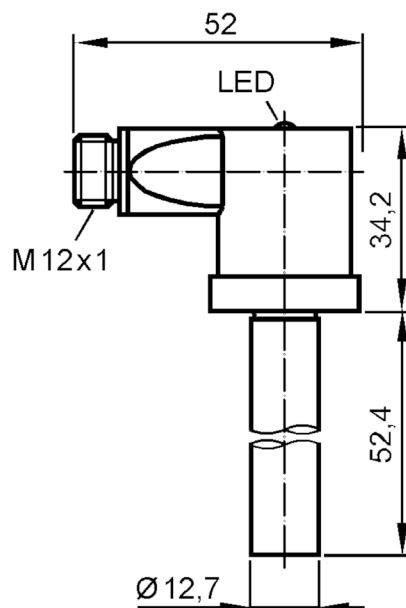


Pressure-resistant position sensor

IFG3002-BPKG/US-104-DPS

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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]	$2 \pm 10 \%$

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]	175
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.
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Electrical connection - plug

Connector: 1 x M12; coding: A





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Connection

