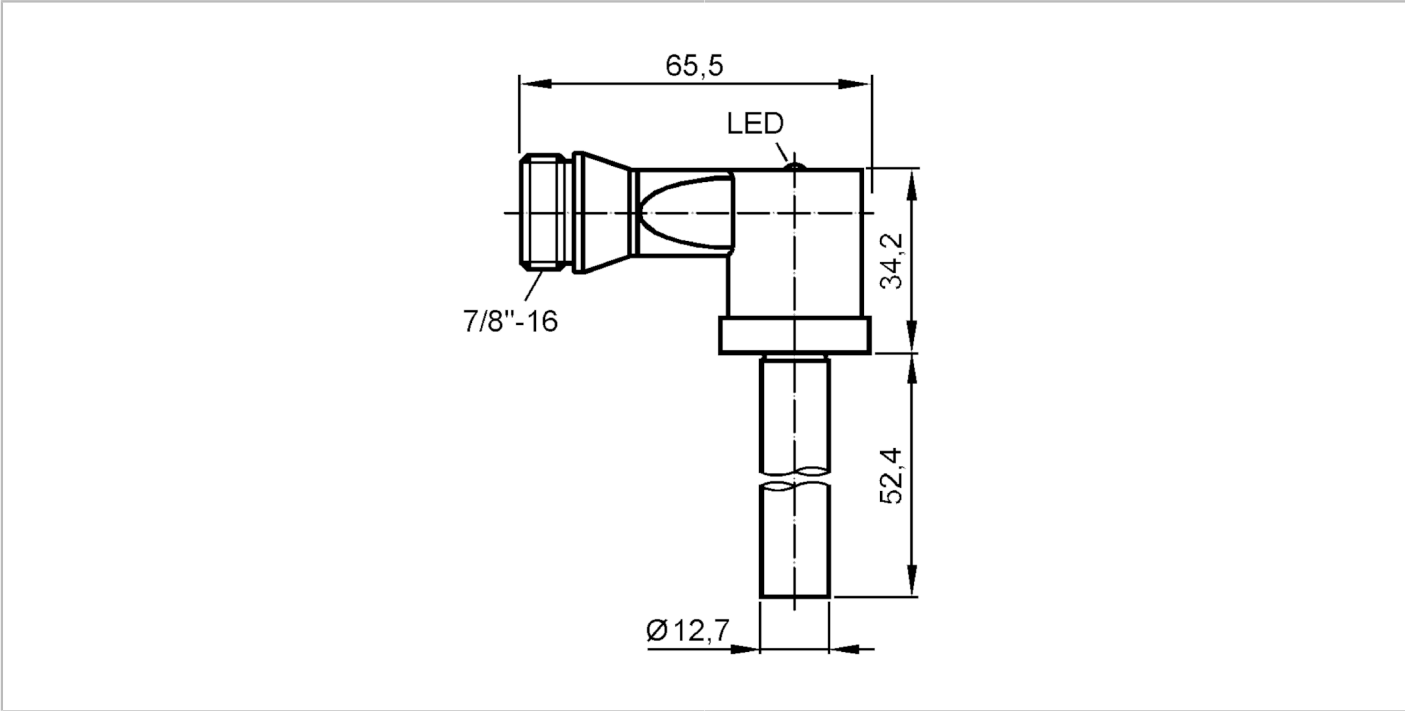




Pressure-resistant position sensor

IFG2002-ABKA/LS-300-BL

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Product characteristics		
Output function		normally open
Sensing range	[mm]	2
Application		
Special feature		Magnetic-field immune
Pressure rating	[psi]	3000
Magnetic-field immune		yes
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC/DC
Reverse polarity protection		yes
Outputs		
Output function		normally open
Max. voltage drop switching output DC	[V]	7
Max. voltage drop switching output AC	[V]	7
Minimum load current	[mA]	8
Max. leakage current	[mA]	1.7
Permanent current rating of switching output AC	[mA]	300
Permanent current rating of switching output DC	[mA]	300



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Short-time current rating of switching output	[mA]	300
Switching frequency AC	[Hz]	20
Switching frequency DC	[Hz]	20
Short-circuit protection		yes
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		
Mounting		flush mountable
Cylinder type		pneumatic and hydraulic cylinders
Materials		aluminium
Displays / operating elements		
Display	switching status	1 x LED, red
	operation	1 x LED, green
Remarks		
Pack quantity		1 pcs.

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Electrical connection - plug

Connector: 1 x 7/8"; coding: A

