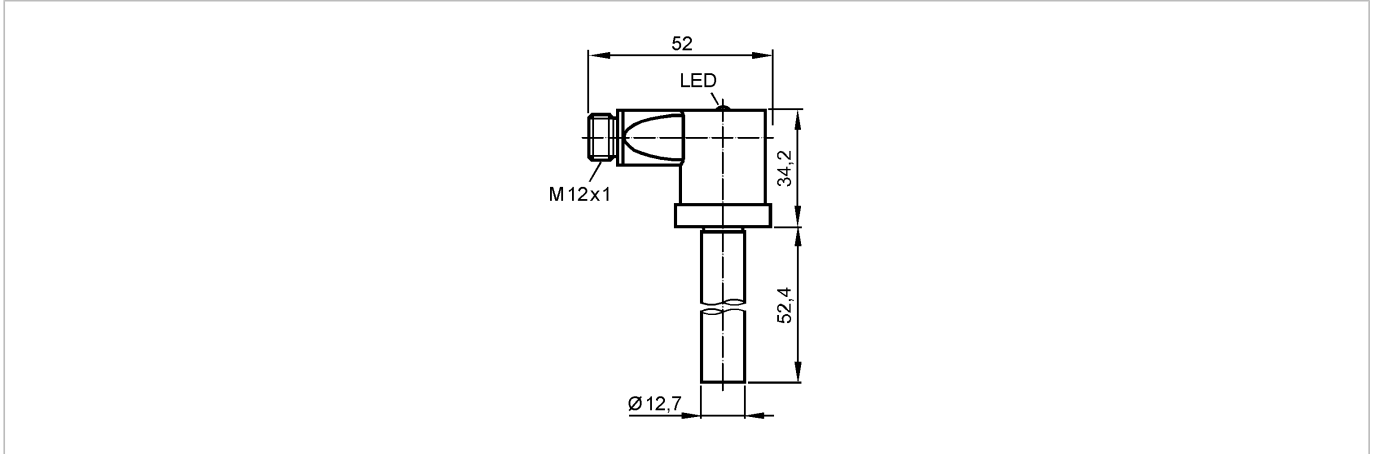




IFG3002-BPKG/US-104-DPS

Inductive sensors



Product characteristics

Inductive sensor	
Metal housing for pneumatic and hydraulic cylinders	
Quick disconnect	
Pressure rating: 3000 psi	
Weld field immune	
Sensing range 2 mm; [f] flush mountable	
Electrical data	
Electrical design	DC PNP
Operating voltage [V]	10...30 DC
Current consumption [mA]	15
Reverse polarity protection	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 2
Current rating	
- Current rating (continuous) [mA]	200
- Current rating (peak) [mA]	200
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	20
Monitoring range	
Sensing range [mm]	2
Real sensing range (Sr) [mm]	2 ± 10 %
Accuracy / deviations	
Correction factors	stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3
Hysteresis [% of Sr]	5
Switch-point drift [% of Sr]	-0.5...+ 0.5
Environment	
Ambient temperature [°C]	-25...70
Protection	IP 67
Mechanical data	
Mounting	flush mountable
Housing materials	aluminum
Displays / operating elements	
Output status indication LED	yellow
Power LED	green

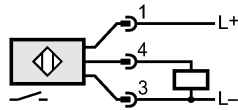
I95012 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Electrical connection

Connection

M12 connector

Wiring



Remarks

Pack quantity

[piece]

1

ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — I95012 — 06.03.2003
no longer available - archive entry