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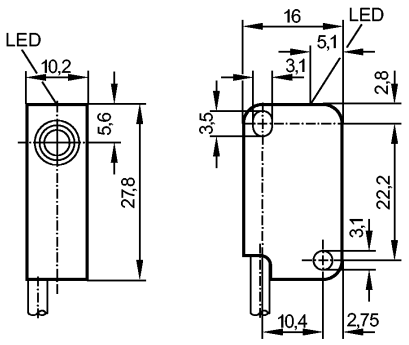
IS5069

IS-3002-ANOG/0.3M/AS-610 Inductive sensors



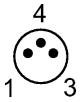
Product characteristics

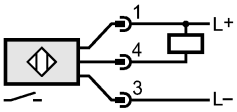
Inductive sensor		
Rectangular, plastics		
Cable with connector		
Sensing range 2 mm; [f] flush mountable		
Electrical data		
Electrical design		DC NPN
Operating voltage	[V]	10...36 DC; cULus - Class 2 source required
Current consumption	[mA]	15 (24 V)
Protection class		III
Reverse polarity protection		no
Outputs		
Output function		normally open
Voltage drop	[V]	< 1
Current rating	[mA]	200
Short-circuit protection		no
Overload protection		no
Switching frequency	[Hz]	800
Monitoring range		
Sensing range	[mm]	2
Real sensing range (Sr)	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6
Accuracy / deviations		
Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Environment		
Ambient temperature	[°C]	-20...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2 EN 55011: class B
MTTF	[Years]	5436
Mechanical data		
Mounting		flush mountable
Housing materials		PBT
Tightening torque	[Nm]	≤ 0.5 (with washer)

IS5069 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Weight	[kg]	0.015
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection		PVC cable / 0.3 m; 3 x 0.14 mm²; with M8 connector

Wiring





Remarks		
Pack quantity	[piece]	1

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