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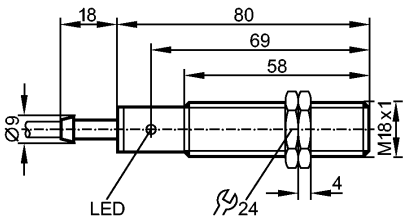
IG5783

IGA2005-FRKG/6M/PH RT

Inductive sensors



Product characteristics

Inductive sensor		
Metal thread M18 x 1		
Cable		
Sensing range 5 mm; [f] flush mountable		
Electrical data		
Electrical design		DC PNP/NPN
Operating voltage	[V]	10...55 DC
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		normally open / closed programmable
Voltage drop	[V]	< 4.6
Minimum load current	[mA]	4
Leakage current	[mA]	< 0.8
Current rating	[mA]	400
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency	[Hz]	700
Monitoring range		
Sensing range	[mm]	5
Real sensing range (Sr)	[mm]	5 ± 10 %
Operating distance	[mm]	0...4.05
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]	-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2 EN 55011: class B
MTTF	[Years]	1835
Mechanical data		
Mounting		flush mountable
Housing materials		brass white bronze coated; PC (polycarbonate)
Weight	[kg]	0.31
Displays / operating elements		
Output status indication	LED	red
Electrical connection		
Connection		PUR / PVC cable / 6 m; 2 x 0.5 mm²

IG5783 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Wiring

Core colors

BK black

WH white

Accessories		
Accessories (included)		2 lock nuts
Remarks		
Pack quantity	[piece]	1

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