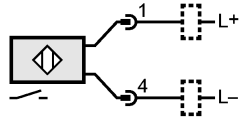


Product characteristics

Inductive sensor	
Metal thread M12 x 1	
Cable with connector	
Increased sensing range	
Optical setting aid (2 LED)	
Sensing range 4 mm; [f] flush mountable	
Electrical data	
Electrical design	DC PNP/NPN
Operating voltage [V]	10...36 DC
Protection class	II
Reverse polarity protection	no
Outputs	
Output function	normally open
Voltage drop [V]	< 5
Minimum load current [mA]	5
Leakage current [mA]	< 1
Current rating [mA]	100
Short-circuit protection	no
Overload protection	no
Switching frequency [Hz]	110
Monitoring range	
Sensing range [mm]	4
Real sensing range (Sr) [mm]	4 ± 10 %
Operating distance [mm]	0...3.25
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10
Environment	
Ambient temperature [°C]	-25...70
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
Mechanical data	
Mounting	flush mountable
Housing materials	brass PTFE-coated; polycarbonate
Weight [kg]	0.082
Displays / operating elements	
Output status indication LED	1 x red / 1 x green
Electrical connection	
Connection	PUR cable / 0.3 m; 2 x 0.34 mm <sup>2</sup> ; cross-linked, with silicone protective tube, with M12 connector

**Wiring**

**IF5853 - Inductive sensor - eclass: 27270101 / 27-27-01-01**



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1