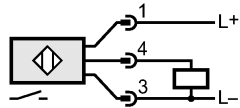


Product characteristics

Inductive sensor	
Metal thread M8 x 1	
Cable with connector	
Sensing range 3 mm; [nfr] non-flush mountable	
Electrical data	
Electrical design DC PNP	
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 15
Protection class	III
Reverse polarity protection	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	300
Range	
Sensing range [mm]	3
Real sensing range (Sr) [mm]	3 ± 10 %
Operating distance [mm]	0...2.4
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Hysteresis [% of Sr]	1...20
Switch-point drift [% of Sr]	-10...10
Environment	
Ambient temperature [°C]	0...70
Protection	IP 67
Tests / approvals	
EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 3 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 20Ohm) EN 61000-4-6 HF conducted: 3 V EN 55011 (Emission): class B
MTTF [Years]	2819
Mechanical data	
Mounting	non-flush mountable
Housing materials	stainless steel 316Ti / 1.4571; active face: PBT
Weight [kg]	0.136
Displays / operating elements	
Output status indication LED	Red
Electrical connection	
Connection	PVC cable / 5 m; 3 x 0.14 mm ² ; with M12 connector

IE5406 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Wiring



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

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