

Product characteristics

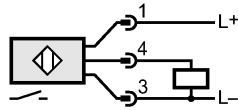
Inductive sensor	
Metal thread M30 x 1.5	
Quick disconnect	
Sensing range 15 mm; [nf] non-flush mountable	
Electrical data	
Electrical design DC PNP	
Operating voltage [V]	10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 2.5
Current rating	
- Current rating (continuous) [mA]	250
- Current rating (peak) [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	200
Monitoring range	
Sensing range [mm]	15
Real sensing range (Sr) [mm]	15 ± 10 %
Operating distance [mm]	0...12.1
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]	3...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]	1853
Mechanical data	
Mounting	non-flush mountable
Housing materials	stainless steel 316Ti / 1.4571; active face: PBT
Weight [kg]	0.15
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	

II5776 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Connection

M12 connector; gold-plated contacts

Wiring



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

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