

Product characteristics

Inductive sensor	
Plastic thread M30 x 1.5	
Cable	
Sensing range 10 mm; [f] flush mountable	
Electrical data	
Electrical design	
Operating voltage [V]	DC PNP 10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally closed
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	250
Monitoring range	
Sensing range [mm]	10
Real sensing range (Sr) [mm]	10 ± 10 %
Operating distance [mm]	0...8.1
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]	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
MTTF [Years]	1844
Mechanical data	
Mounting	flush mountable
Housing materials	PBT
Weight [kg]	0.185
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	PVC cable / 2 m; 3 x 0.5 mm ²

Wiring

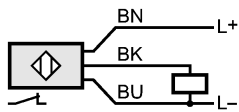
II5272 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Core colors

BN brown

BU blue

BK black



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

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