

Product characteristics

Inductive sensor	
Rectangular, plastics	
Cable	
Sensing range 2 mm; [f] flush mountable	
Electrical data	
Electrical design	DC NPN
Operating voltage [V]	10...36 DC; cULus - Class 2 source required
Current consumption [mA]	15 (24 V)
Protection class	III
Reverse polarity protection	no
Outputs	
Output function	normally open
Voltage drop [V]	< 1
Current rating [mA]	200
Short-circuit protection	no
Overload protection	no
Switching frequency [Hz]	800
Monitoring range	
Sensing range [mm]	2
Real sensing range (Sr) [mm]	2 ± 10 %
Operating distance [mm]	0...1.6
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
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]	5436
Mechanical data	
Mounting	flush mountable
Housing materials	PBT
Tightening torque [Nm]	≤ 0.5 (with washer)
Weight [kg]	0.044
Displays / operating elements	

# IS5003 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication LED | yellow

Electrical connection

Connection | PVC cable / 2 m; 3 x 0.14 mm<sup>2</sup>

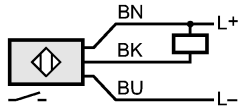
## Wiring

Core colors

BN brown

BU blue

BK black



Remarks

Pack quantity [piece] | 1