



Product characteristics

Inductive sensor	
Rectangular, plastics	
Cable	
Sensing range 3 mm; [nfl] non-flush mountable	
Electrical data	
Electrical design	DC PNP/NPN
Operating voltage [V]	5...36 DC; cULus - Class 2 source required
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally open / closed programmable
Voltage drop [V]	< 4.6
Minimum load current [mA]	4
Leakage current [mA]	< 0.8
Current rating [mA]	200
Short-circuit protection	no
Overload protection	no
Switching frequency [Hz]	500
Monitoring 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 / 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
MTTF [Years]	3755
Mechanical data	
Mounting	non-flush mountable
Housing materials	PBT
Tightening torque [Nm]	≤ 0.5 (with washer)
Weight [kg]	0.015
Displays / operating elements	

IS5077 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication LED | yellow

Electrical connection

Connection | PUR / PVC cable / 0.3 m; 2 x 0.14 mm²

Wiring

Core colors

BK black

WH white



Remarks

Pack quantity [piece] | 1