efector100

IS5066

CE (UL)

Product characteristics

Inductive sensor

Rectangular, plastics

Cable

Sensing range 2 mm; [f] flush mountable

Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	10...36 DC; UL - Class 2 source required
Current consumption	[mA]	< 15
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		normally open
Voltage drop	[V]	< 2.5
Current rating	[mA]	250
Short-circuit protection		pulsed
Overload protection		yes
Switching frequency	[Hz]	800
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 / Al approx. 0.4 / Cu approx. 0.3
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
MTTF	[Years]	2110
Mechanical data		
Mounting		flush mountable
Housing materials		PBT
Tightening torque	[Nm]	≤ 0.5 (with washer)
Weight	[kg]	0.045
Displays / operating elements		
Output status indication	LED	yellow

IS5066 - Inductive sensor - eclass: 27270101 / 27-27-01-01

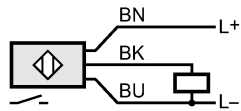Electrical connection

Connection	PVC cable / 2 m; 3 x 0.14 mm²

Wiring
Core colours
BN   brown
BU   blue
BK   black

Remarks

Pack quantity	[piece]	1