

1: LED yellow
2: LED green



Product characteristics

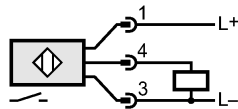
Inductive sensor
Rectangular, plastics
Quick disconnect
Weld field immune
Correction factor = 1
5 positions of the sensing face selectable
Sensing range 20 mm; [f] flush mountable

Electrical data		DC PNP
Electrical design		10...36 DC; cULus - Class 2 source required
Operating voltage [V]		< 20
Current consumption [mA]		II
Protection class		yes
Reverse polarity protection		
Outputs		normally open
Output function		< 2.5
Voltage drop [V]		200
Current rating [mA]		yes (non-latching)
Short-circuit protection		yes
Overload protection		200
Switching frequency [Hz]		
Monitoring range		20
Sensing range [mm]		20 ± 10 %
Real sensing range (Sr) [mm]		0...16.2
Operating distance [mm]		
Accuracy / deviations		
Correction factors		mild steel = 1 / stainless steel approx. 1 / brass approx. 1 / aluminium approx. 1 / copper approx. 1
Hysteresis [% of Sr]		1...20
Switch-point drift [% of Sr]		-10...10
Environment		

IM5119 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC		EN 61000-4-2 ESD: 8 kV CD / 4 kV AD EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 2Ohm) EN 61000-4-6 HF conducted: 10 V EN 55011: class B
MTTF	[Years]	1165
Mechanical data		
Mounting		flush mountable
Housing materials		housing: PA (polyamide) safe-coated; connector: stainless steel; screw: stainless steel
Weight	[kg]	0.141
Displays / operating elements		
Output status indication	LED	yellow
Power	LED	green
Electrical connection		
Connection		M12 connector; rotatable, locking

Wiring



Remarks

Pack quantity	[piece]	1
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