

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 35 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC; cULus - Class 2 source required

Current consumption [mA]

< 20

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

200

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

200

Monitoring range

Sensing range [mm]

35

Real sensing range (Sr) [mm]

35 ± 10 %

Operating distance [mm]

0...28.3

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]

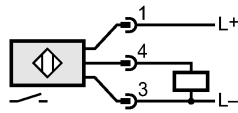
-10...10

Environment

**IM5120 - 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 / 6 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: 20hm) EN 61000-4-6 HF conducted: 10 V EN 55011: class B
MTTF	[Years]	1161
Mechanical data		
Mounting		non-flush mountable
Housing materials		housing: PA (polyamide) safe-coated; connector: stainless steel
Weight	[kg]	0.132
Displays / operating elements		
Output status indication	LED	yellow
Power	LED	green
Electrical connection		
Connection		M12 connector; rotatable, locking

**Wiring**



Remarks		
Pack quantity	[piece]	1