

Product characteristics

Inductive sensor

Plastic housing Ø 20 mm

Connector

Sensing range 10 mm; [nfi] non-flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...55 DC

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 4.6

Minimum load current [mA]

5

Leakage current [mA]

< 1

Current rating [mA]

400

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

450

Range

Sensing range [mm]

10

Real sensing range (Sr) [mm]

10 ± 10 %

Operating distance [mm]

0...8.1

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 65

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

1759

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT; LED window: PC

Weight [kg]

0.092

Displays / operating elements

Output status indication LED

yellow

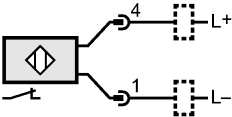
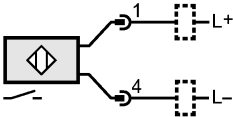
Electrical connection

Connection

M12 connector

IA5135 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Wiring



Accessories	
Accessories (included)	Mounting clamp
Remarks	
Pack quantity	1
[piece]	