

Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Sensing range 60 mm; adjustable; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

15

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 2.5

Minimum load current [mA]

0

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

100

Monitoring range

Sensing range [mm]

60, adjustable

Real sensing range (Sr) [mm]

60 ± 10 %

Operating distance [mm]

0...48.6

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3

Hysteresis [% of Sr]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 65

Mechanical data

Mounting

non-flush mountable

Housing materials

PPO (Noryl)

Displays / operating elements

Output status indication LED

yellow

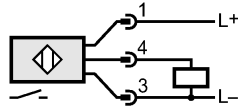
Electrical connection

Connection

M12 connector

Wiring

ID8505 - Inductive sensor - eclass: 27270101 / 27-27-01-01



Accessories	
Accessories (included)	screwdriver
Remarks	
Remarks	remove jumper for normally closed
Pack quantity	[piece] 1