

1: Mounting on DIN rail



Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Sensing range 50 mm; [f] 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

Voltage drop [V]

< 4.6

Minimum load current [mA]

4

Leakage current [mA]

< 0.6

Current rating [mA]

400

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

90

Monitoring range

Sensing range [mm]

50

Operating distance [mm]

0...40.5

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2

Hysteresis [% of Sr]

3...20

Switch-point drift [% of Sr]

-15...15

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

1631

Mechanical data

Mounting

flush mountable

Housing materials

brass nickel-plated; PPE

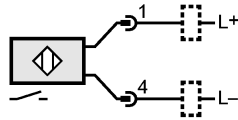
Installation

rail TH35 (to EN 60715)

# ID9922 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Weight	[kg]	0.397
Displays / operating elements		
Output status indication	LED	red
Electrical connection		
Connection		M12 connector

## Wiring



Accessories		
Accessories (included)		sealing plug
Remarks		
Pack quantity	[piece]	1