

1: Mounting on DIN rail



Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Weld field immune

optimum application at a distance > 50 cm

Sensing range 50 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

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

Current consumption [mA]

20 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

complementary

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

70

Monitoring range

Sensing range [mm]

50

Operating distance [mm]

0...40.5

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.85 / brass approx. 0.48 / aluminium approx. 0.46 / copper approx. 0.38

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

MTTF [Years]

1162

Mechanical data

Mounting

flush mountable

Housing materials

PPE safe-coated; brass white bronze coated; diecast zinc

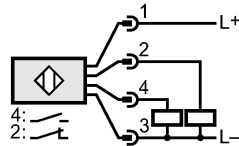
Installation

rail TH35 (to EN 60715)

# ID5059 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Weight	[kg]	0.422
Displays / operating elements		
Output status indication	LED	yellow
Power	LED	green
Electrical connection		
Connection		M12 connector

## Wiring



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