

Product characteristics

Inductive sensor

Rectangular, plastics

Terminals

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

Electrical data

Electrical design

Operating voltage [V]

Current consumption [mA]

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Current rating [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

Monitoring range

Sensing range [mm]

Real sensing range (Sr) [mm]

Operating distance [mm]

Accuracy / deviations

Correction factors

Hysteresis [% of Sr]

Switch-point drift [% of Sr]

Environment

Ambient temperature [°C]

Protection

Tests / approvals

EMC

MTTF [Years]

Mechanical data

DC PNP

10...36 DC

15 (24 V)

II

yes

normally open / closed programmable

< 2.5

250

yes

yes

100

60, adjustable

60 ± 10 %

0...48.6

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

1...15

-10...10

-25...80

IP 65

EN 61000-4-2 ESD: - CD / 8 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

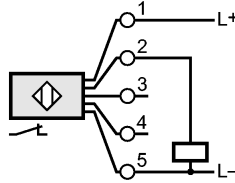
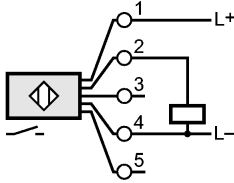
EN 55011: class B

1277

ID5005 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Mounting	non-flush mountable
Housing materials	PPE
Weight [kg]	0.432
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	terminals up to 2.5 mm ² ; cable diameter 7...13 mm, cable gland M20 x 1.5

Wiring



Accessories	
Accessories (included)	screwdriver
Remarks	
Pack quantity [piece]	1