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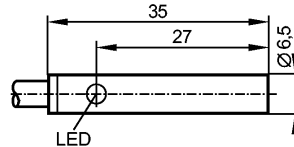
efector100

IT5027



ITB3001-BPOG/0.1M/AS-610-T

Inductive sensors



Product characteristics

Inductive sensor

Metal housing Ø 6.5 mm

Cable with connector

Sensing range 1 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

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

Current consumption [mA]

< 15

Protection class

III

Reverse polarity protection

no

Outputs

Output function

normally open

Voltage drop [V]

< 1

Current rating [mA]

200

Short-circuit protection

no

Overload protection

no

Switching frequency [Hz]

2000

Monitoring range

Sensing range [mm]

1

Real sensing range (Sr) [mm]

1 ± 10 %

Operating distance [mm]

0...0.8

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

10...80

Protection

IP 67

Mechanical data

Mounting

flush mountable

Housing materials

brass nickel-plated; PBT

Weight [kg]

0.026

Displays / operating elements

Output status indication LED

yellow

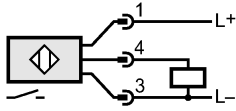
Electrical connection

Connection

PVC cable / 0.1 m; with M8 connector (snap-fit)

Wiring

IT5027 - Inductive sensor - eclass: 27270101 / 27-27-01-01



Accessories

Accessories (included)

Mounting clamp

Remarks

Pack quantity

[piece]

1

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