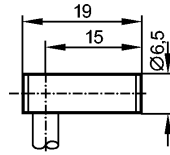




ITB3002-BPKG/2M PVC

Inductive sensors



Product characteristics

Inductive sensor

Metal housing Ø 6.5 mm

Cable

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC

Current consumption [mA]

20 (24 V)

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

200

Short-circuit protection

yes (non-latching)

Overload protection

no

Switching frequency [Hz]

1000

Monitoring range

Sensing range [mm]

2

Real sensing range (Sr) [mm]

2 ± 10 %

Operating distance [mm]

0...1.6

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]

< 15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

1045

Mechanical data

Mounting

flush mountable

Housing materials

housing: stainless steel; active face: PBT

Weight [kg]

0.056

Electrical connection

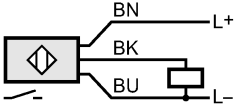
Connection

PVC cable / 2 m; 3 x 0.14 mm²

Wiring

IT5039 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Core colors
BK black
BN brown
BU blue



Remarks

Pack quantity [piece] 1