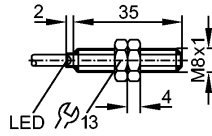




IEB21.5-ARKG/0.5M

Inductive sensors



Product characteristics
Inductive sensor

Metal thread M8 x 1

Cable

Sensing range 1.5 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...30 DC; cULus - Class 2 source required

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.8

Minimum load current [mA]

2

Leakage current [mA]

0.4

Current rating [mA]

100

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

1000

Monitoring range

Sensing range [mm]

1.5

Real sensing range (Sr) [mm]

1.5 ± 10 %

Operating distance [mm]

0...1.2

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]

0...60

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

3004

Mechanical data

Mounting

flush mountable

Housing materials

brass white bronze coated; active face: LCP

Weight [kg]

0.031

Displays / operating elements

Output status indication LED

yellow

Electrical connection

Connection

PPU cable / 0.5 m; 2 x 0.14 mm²

Wiring

IE5373 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Core colors
BN brown
BU blue



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1