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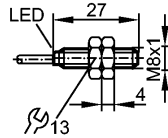
efectorio

IE500A



IEB3003BAPKG/3M/3D

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M8 x 1

Cable

Increased sensing range

ATEX approval

Group II, category 3D

Sensing range 3 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC; to PELV

Current consumption [mA]

15 (24 V)

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally closed

Voltage drop [V]

< 2.5

Current rating

- Current rating (continuous) [mA]

100

- Current rating (peak) [mA]

100

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

1000

Monitoring range

Sensing range [mm]

3

Real sensing range (Sr) [mm]

3 ± 10 %

Operating distance [mm]

0...2.43

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...+15

Environment

Ambient temperature [°C]

0...60

Protection

IP 67

Tests / approvals

Marking of the unit

Ⓔ II 3D IP 67 T 100 °C X

EMC

EN 60947-5-2

Mechanical data

Mounting

flush mountable

Housing materials

LCP; brass white bronze coated; PA

Weight [kg]

0.1

Displays / operating elements

Output status indication LED

yellow

IE500A - Inductive sensor - eclass: 27270101 / 27-27-01-01

Electrical connection

Connection

PVC cable / 3 m; 3 x 0.14 mm²

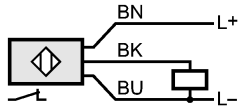
Wiring

Core colors

BK black

BN brown

BU blue



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

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