

replaced by: IE5448

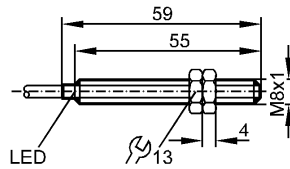
efector100

IE5260



IEA3002BBPKG

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M8 x 1

Cable

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC

Current consumption [mA]

< 9.5

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 1.8

Current rating [mA]

150

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

2000

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]

3...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

Mechanical data

Mounting

flush mountable

Housing materials

PA12-GF30; brass chromium-plated

Weight [kg]

0.06

Displays / operating elements

Output status indication LED

yellow

Electrical connection

Connection

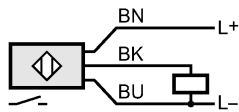
PVC cable / 2 m; 3 x 0.25 mm²

Wiring

IE5260 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Core colors

BK black
BN brown
BU blue



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — IE5260 — 06.03.2003

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