

no longer available - archive entry Alternative article: IF0006

When selecting an alternative article and accessories please note that technical data may differ!

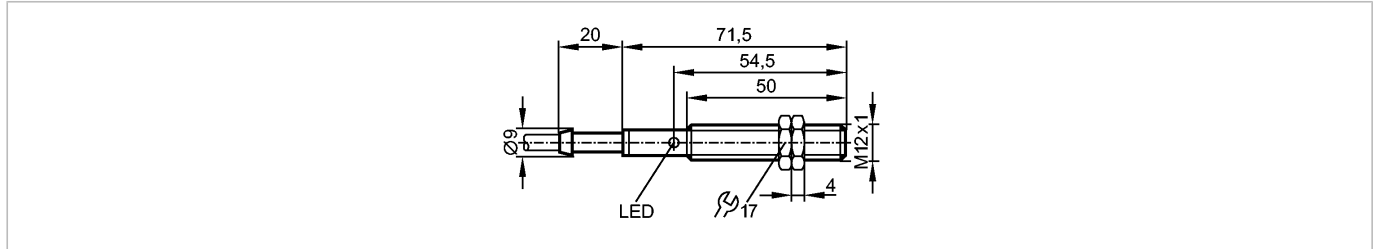
efectorio

IF0205



IFA2002-BBOW RT

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

AC

Operating voltage [V]

20...250 AC (47...63 Hz)

Protection class

II

Reverse polarity protection

no

Outputs

Output function

normally closed

Voltage drop [V]

< 8.5

Minimum load current [mA]

8

Leakage current [mA]

< 2

Current rating

- Current rating (continuous) [mA]

200; 250 (...50 °C)

- Current rating (peak) [mA]

î: 0.9 A (20 ms / 0.5 Hz)

Short-circuit proof

no

Overload protection

no

Switching frequency [Hz]

25

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]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

932

Mechanical data

Mounting

flush mountable

Housing materials

brass white bronze coated; PC (polycarbonate)

Weight [kg]

0.115

Displays / operating elements

Output status indication LED

red

IF0205 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Electrical connection

Connection

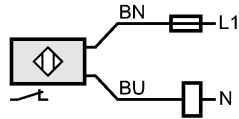
PVC cable / 2 m; 2 x 0.5 mm²

Wiring

Core colors

BN brown

BU blue



Note: miniature fuse to IEC60127-2 sheet 1,
 ≤ 2 A (fast acting)

Accessories

Accessories (included)

2 lock nuts

Remarks

Remarks

Recommendation: check the unit for reliable function after a short circuit.

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 — IF0205 — 06.03.2003
 no longer available - archive entry Alternative article: IF0006

When selecting an alternative article and accessories please note that technical data may differ!