

Product characteristics

Inductive sensor

Plastic thread M30 x 1.5

Cable

Sensing range 10 mm; [f] flush mountable

Electrical data

Electrical design

Operating voltage [V]

Current consumption [mA]

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Current rating [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

Monitoring range

Sensing range [mm]

Real sensing range (Sr) [mm]

Operating distance [mm]

Accuracy / deviations

Correction factors

Hysteresis [% of Sr]

Switch-point drift [% of Sr]

Environment

Ambient temperature [°C]

Protection

Tests / approvals

EMC

MTTF [Years]

Mechanical data

Mounting

Housing materials

Weight [kg]

Displays / operating elements

Output status indication LED

Electrical connection

Connection

Wiring

DC PNP

10...36 DC

15 (24 V)

II

yes

complementary

< 2.5

100

yes (non-latching)

yes

400

10

10 ± 10 %

0...8.1

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3

3...15

-10...10

-25...100

IP 67

EN 60947-5-2

EN 55011: class B

1365

flush mountable

PBT

0.389

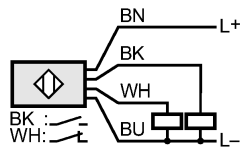
yellow

silicone cable / 6 m; 4 x 0.34 mm²; highly flexible

II5744 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Core colors

BK black
BN brown
BU blue
WH white



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 — II5744 — 06.03.2003