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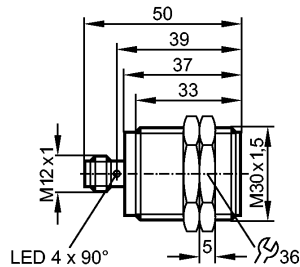
efector100

IIT20A



IIB3014BBPKG/M/V4A/US104DPS/3D

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Quick disconnect

Increased sensing range

gold-plated contacts

ATEX approval

Group II, category 3D

Sensing range 14 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

10 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

100

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

100

Monitoring range

Sensing range [mm]

14

Operating distance [mm]

0...11.34

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]

3...15

Environment

Ambient temperature [°C]

-20...60

Protection

IP 67

Tests / approvals

Marking of the unit

Ex II 3D Ex tD A22 IP67 T80°C X

EMC

EN 60947-5-2

MTTF [Years]

1590

Mechanical data

Mounting

flush mountable

Housing materials

stainless steel (316L); active face: PEEK (polyether ether ketone)

Weight [kg]

0.137

Displays / operating elements

Output status indication LED

yellow (4 x 90°)

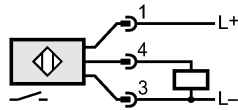
IIT20A - Inductive sensor - eclass: 27270101 / 27-27-01-01

Electrical connection

Connection

M12 connector; gold-plated contacts

Wiring



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

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