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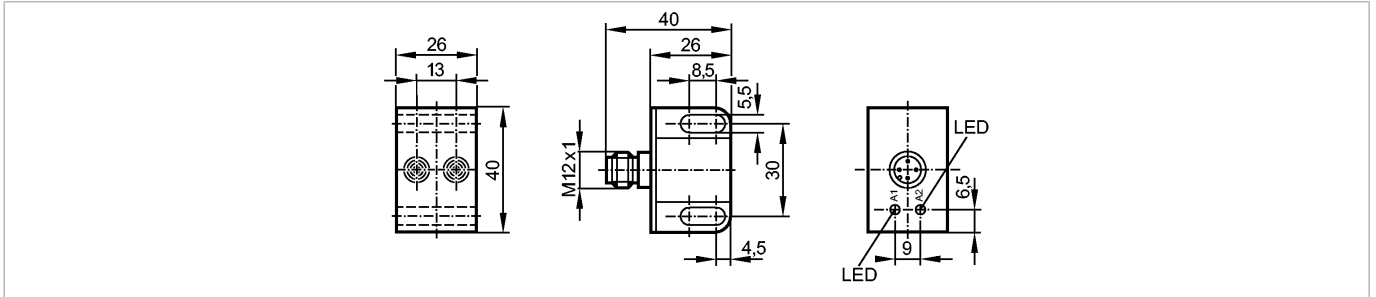
efector180

IN500A



IND3004DBPKG/US/3D

Valve sensors



Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

ATEX approval

Group II, category 3D

Sensing range 4 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

15 (36 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

2 x normally open

Voltage drop [V]

< 2.5

Current rating

- Current rating (continuous) [mA]

250

- Current rating (peak) [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

1300

Monitoring range

Sensing range [mm]

4

Real sensing range (Sr) [mm]

4 ± 10 %

Operating distance [mm]

0...3.25

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...10

Environment

Ambient temperature [°C]

-20...60

Protection

IP 67

Tests / approvals

Marking of the unit

Ex II 3D IP 67 T 80 °C X

EMC

EN 60947-5-2

Mechanical data

Mounting

non-flush mountable

Housing materials

housing: PBT (Pocan); cover: PC (polycarbonate)

Weight [kg]

0.063

IN500A - Inductive sensor - eclass: 27270101 / 27-27-01-01

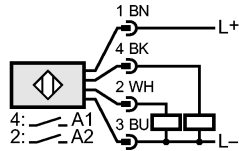
Displays / operating elements

Output status indication LED | 2 x yellow

Electrical connection

Connection | M12 connector

Wiring



Remarks

Pack quantity [piece] | 1

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