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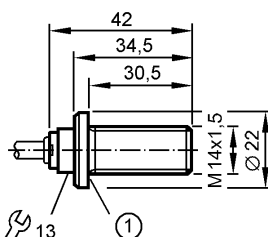
efector100

IR5013



IR-2002-ARKG/UP/M14X1.5

Inductive sensors



1: O-ring



Product characteristics

Inductive sensor

Metal thread M14 x 1.5

Cable

Sensing range 2 mm

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...36 DC

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 4.6

Minimum load current [mA]

5

Leakage current [mA]

< 0.8

Current rating [mA]

100

Short-circuit protection

yes (non-latching)

Overload protection

yes

Monitoring range

Sensing range [mm]

2

Real sensing range (Sr) [mm]

2 ± 10 %

Operating distance [mm]

0...1.62

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...10

Switch-point drift [% of Sr]

-10...10

Environment

Operating pressure [MPa]

max. 35 (grease)

Ambient temperature [°C]

-30...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

Mechanical data

Housing materials

PBT; steel (9S20K) galvanised, chromium-plated (blue)

IR5013 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Weight [kg] 0.13

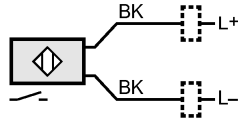
Electrical connection

Connection PVC cable / 2 m; 2 x 0.34 mm²

Wiring

Core colors

BK black



Remarks

Pack quantity [piece] 1

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