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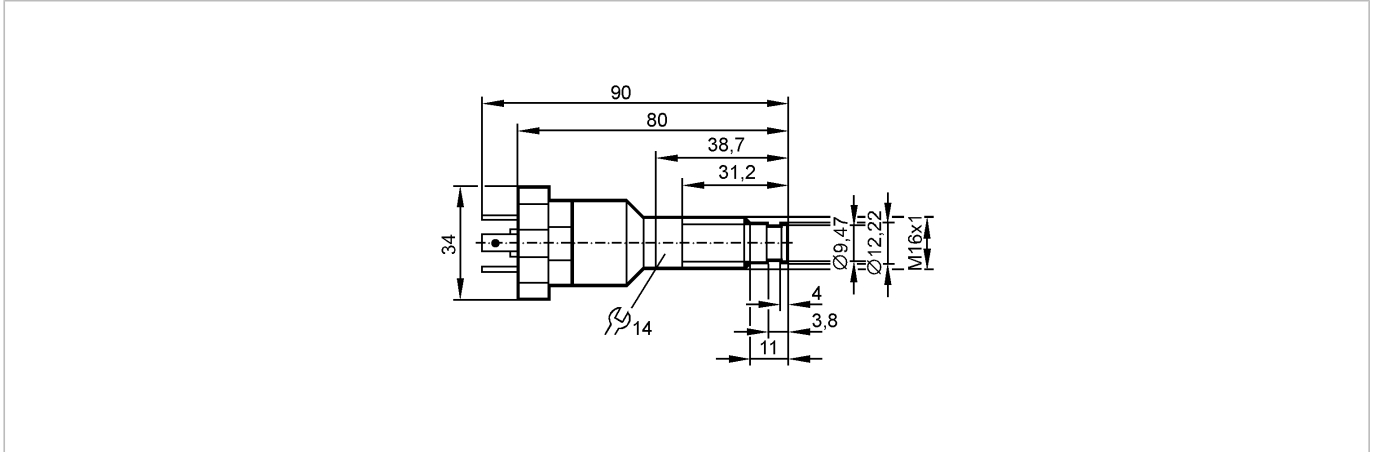
efector100

IR5042



IR-2002-FRKG/CK45/DS-000-K

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M16 x 1

Quick disconnect

Sensing range 2 mm

Electrical data

Electrical design

Operating voltage [V]

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Minimum load current [mA]

Leakage current [mA]

Current rating [mA]

Short-circuit protection

Overload protection

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

Operating pressure [MPa]

Ambient temperature [°C]

Protection

Tests / approvals

EMC

MTTF [Years]

Mechanical data

Max. penetration depth of the piston [mm]

DC PNP/NPN

10...36 DC; to PELV

III

yes

normally open / closed programmable

< 4.6

5

< 0.8

100

yes (non-latching)

yes

2

2 ± 10 %

0...1.62

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

1...10

-10...10

max. 35 (grease)

-25...80

IP 67

EN 60947-5-2

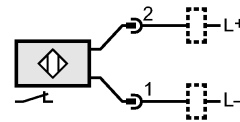
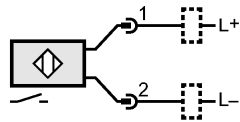
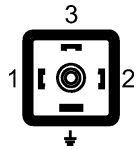
2612

6.8

IR5042 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Housing materials	PBT; metal (Ck45) galvanised, chromium-plated (yellow)
Weight [kg]	0.122
Electrical connection	
Connection	connector (DIN EN 175301-803)

Wiring



Remarks

Pack quantity [piece]	1
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