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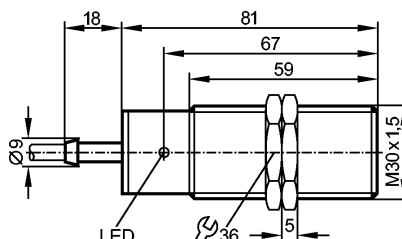
efector100

II5739



II-2010-FRKG/PH RT

Inductive sensors



Product characteristics

Inductive sensor

Plastic thread M30 x 1.5

Cable

Sensing range 10 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage

[V]

10...55 DC

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop

[V]

< 4.6

Minimum load current

[mA]

4

Leakage current

[mA]

< 0.5

Current rating

[mA]

400

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency

[Hz]

450

Monitoring range

Sensing range

[mm]

10

Real sensing range (Sr)

[mm]

10 ± 10 %

Operating distance

[mm]

0...8.1

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2

Hysteresis

[% of Sr]

1...15

Switch-point drift

[% of Sr]

-10...10

Environment

Ambient temperature

[°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF

[Years]

1835

Mechanical data

Mounting

flush mountable

Housing materials

PBT

Weight

[kg]

0.17

Displays / operating elements

Output status indication

LED

red

II5739 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Electrical connection	
Connection	PUR / PVC cable / 2 m; 2 x 0.5 mm²
Wiring	
Core colors	
BK black	
WH white	
	
Accessories	
Accessories (included)	2 lock nuts
Remarks	
Pack quantity	[piece] 1

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