

no longer available - archive entry Alternative article: II5436

When selecting an alternative article and accessories please note that technical data may differ!

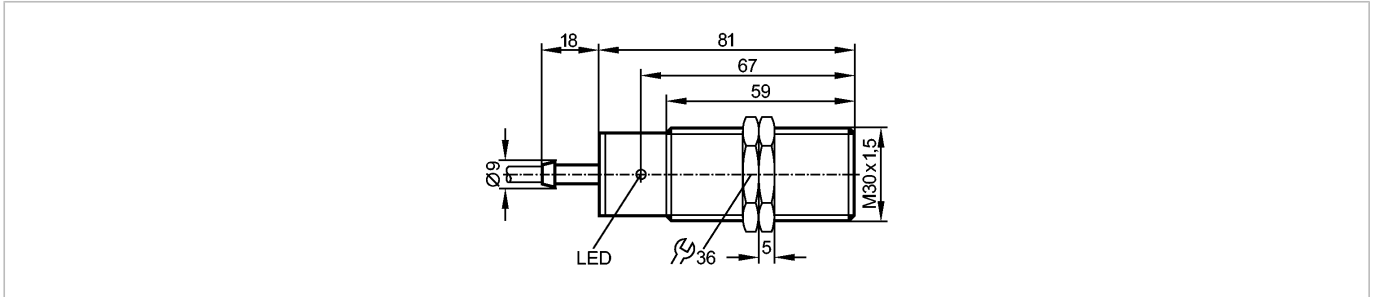
efectorio

II5754



II-2015-FRKG/20M

Inductive sensors



Product characteristics

Inductive sensor

Plastic thread M30 x 1.5

Cable

Sensing range 15 mm; [nf] non-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]

< 5.1

Minimum load current [mA]

4

Leakage current [mA]

< 0.6

Current rating [mA]

400

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

200

Monitoring range

Sensing range [mm]

15

Real sensing range (Sr) [mm]

15 ± 10 %

Operating distance [mm]

0...12.1

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...20

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 61000-4-2 ESD: - CD / 15 kV AD
 EN 61000-4-3 HF radiated: 10 V/m
 EN 61000-4-4 Burst: 2 kV
 EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 20hm)
 EN 61000-4-6 HF conducted: 10 V

MTTF [Years]

1835

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT; lock nuts: plastics

II5754 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Weight	[kg]	0.823
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection		PVC cable / 20 m; 2 x 0.5 mm ²

Wiring

Core colors

BK black

WH white



Accessories

Accessories (included)		2 lock nuts
------------------------	--	-------------

Remarks

Pack quantity	[piece]	1
---------------	---------	---

ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — II5754 — 24.01.2013

no longer available - archive entry Alternative article: II5436

When selecting an alternative article and accessories please note that technical data may differ!