

no longer available - archive entry Alternative article: II0094

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

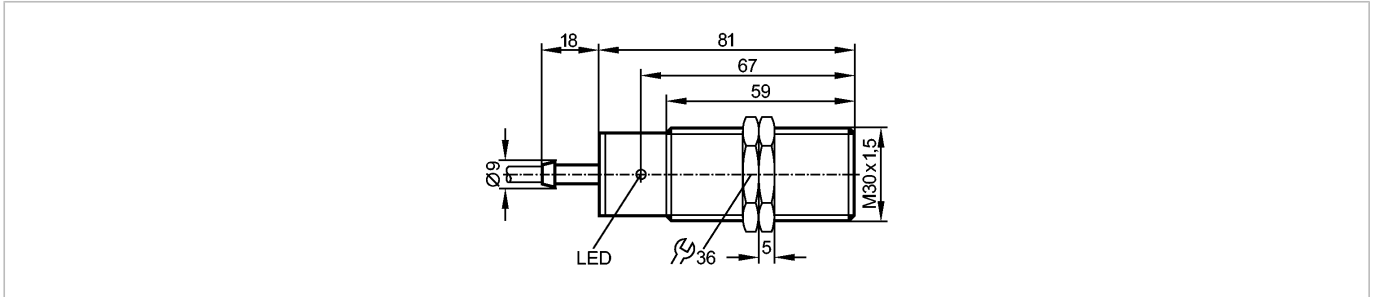
efectorio

II0271



II-2010-BBOA/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

Operating voltage [V]

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Minimum load current [mA]

Leakage current [mA]

Current rating

- Current rating (continuous) [mA]

- Current rating (peak) [mA]

Short-circuit proof

Overload protection

Switching frequency [Hz]

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

Ambient temperature [°C]

Protection

Tests / approvals

EMC

MTTF [Years]

Mechanical data

Mounting

Housing materials

Weight [kg]

AC/DC

20...250 AC/DC

II

no

normally closed

< 6.5 AC / < 6 DC

5

< 2.5 (250 V AC) / < 1.3 (110 V AC) / < 0.8 (24 V DC)

250 AC / 100 DC; 350 AC (...50 °C)

î: 2.2 A (20 ms / 0.5 Hz)

no

no

25 AC / 50 DC

10

10 ± 10 %

0...8.1

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

1...15

-10...10

-25...80

IP 67

EN 60947-5-2

EN 55011:

class B

610

flush mountable

PBT

0.174

II0271 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Displays / operating elements

Output status indication	LED	red
--------------------------	-----	-----

Electrical connection

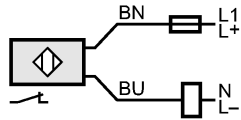
Connection	PVC cable / 2 m; 2 x 0.5 mm ²
------------	------------------------------------------

Wiring

Core colors

BN brown

BU blue



Note: miniature fuse to IEC60127-2 sheet 1,
 ≤ 2 A (fast acting)

Accessories

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

Remarks

Remarks	Recommendation: check the unit for reliable function after a short circuit.
---------	-----------------------------------------------------------------------------

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 — II0271 — 06.03.2003

no longer available - archive entryAlternative article: II0094

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