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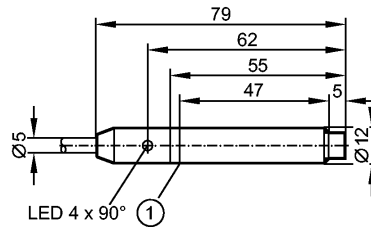
**efector100**

IFT211



IFGC007-ASKG/M/V4A/6M/WH

Inductive sensors



1: locating groove



Product characteristics

Inductive sensor

Metal housing Ø 12 mm

Cable

Operation as 3-wire or 2-wire possible

Increased sensing range

Optical setting aid (2 LED)

Sensing range 7 mm; [nf] non-flush mountable

Electrical data

Electrical design

3-wire DC PNP; 2-wire DC PNP/NPN

Operating voltage [V]

10...30 DC

Current consumption [mA]

12 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.8

Minimum load current [mA]

2; only in 2-wire operation

Leakage current [mA]

< 0.5; only in 2-wire operation

Current rating [mA]

100

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

700

Monitoring range

Sensing range [mm]

7

Real sensing range (Sr) [mm]

7 ± 10 %

Operating distance [mm]

0...5.7

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]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

0...100

Protection

IP 68 / IP 69K

Tests / approvals

EMC

EN 61000-4-2 ESD: 4 kV CD / 8 kV AD

EN 61000-4-3 HF radiated: 10 V/m

EN 61000-4-4 Burst: 2 kV

EN 61000-4-6 HF conducted: 10 V

EN 55011: class B

MTTF [Years]

1287

Mechanical data

# IFT211 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Mounting	non-flush mountable
Housing materials	stainless steel (316L); active face: PEEK (polyether ether ketone)
Weight [kg]	0.248
Displays / operating elements	
Output status indication LED	yellow
Setting aid LED	red
Electrical connection	
Connection	PVC cable / 6 m; 3 x 0.34 mm <sup>2</sup>

## Wiring



Remarks	
Remarks	suitable for PLC type 1 according to IEC 61131-2
Pack quantity [piece]	1

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