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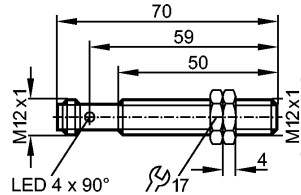
efectorio

IFC211



IFK3003-BPKG/M/US-104-DPS/K0

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M12 x 1

Quick disconnect

Ferrous only

aluminum chip immune

Increased sensing range

gold-plated contacts

Sensing range 3 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC; cULus - Class 2 source required

Current consumption [mA]

< 10

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Leakage current [mA]

< 0.1

Current rating [mA]

200

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

25

Monitoring range

Sensing range [mm]

3

Real sensing range (Sr) [mm]

3 ± 10 %

Operating distance [mm]

0...2.4

Environment

Ambient temperature [°C]

0...60

Protection

IP 68; "Coolant"

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]

1423

Mechanical data

Mounting

flush mountable

Housing materials

brass white bronze coated; active face: stainless steel (303S22)

Weight [kg]

0.037

Displays / operating elements

Output status indication LED

yellow (4 x 90°)

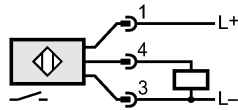
IFC211 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Electrical connection

Connection

M12 connector; gold-plated contacts

Wiring



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

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