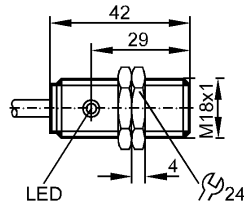




IGB2005-FRKG/PH

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M18 x 1

Cable

Sensing range 5 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...36 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]

< 0.8

Current rating [mA]

150

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

700

Range

Sensing range [mm]

5

Real sensing range (Sr) [mm]

5 ± 10 %

Operating distance [mm]

0...4.05

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3

Hysteresis [% of Sr]

3...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]

2269

Mechanical data

Mounting

flush mountable

Housing materials

Brass nickel-plated; PC (polycarbonate)

Weight [kg]

0.122

Displays / operating elements

Output status indication LED

yellow

Electrical connection

Connection

PUR cable / 2 m; 2 x 0.34 mm²

Wiring

IG5728 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Core colours
BK black
WH white



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1