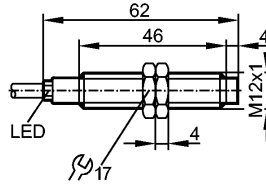




IFK2004-ARKG/PH

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable

Sensing range 4 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

Voltage drop [V]

< 4.6

Leakage current [mA]

< 0.8

Current rating [mA]

400

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

1400

Range

Sensing range [mm]

4

Real sensing range (Sr) [mm]

4 ± 10 %

Operating distance [mm]

0...3.25

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]

1...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]

1704

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT; Brass white bronze coated

Weight [kg]

0.087

Displays / operating elements

Output status indication LED

yellow

Electrical connection

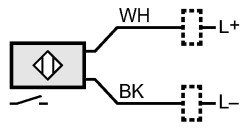
Connection

PUR cable / 2 m; 2 x 0.34 mm²

Wiring

IF5804 - 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