

Product characteristics

Capacitive sensor

Plastic thread M30 x 1.5

Quick disconnect

Increased immunity to conducted radio frequency interference

Sensing range 15 mm; [nf] non-flush mountable

Electrical data

Electrical design

Operating voltage [V]

DC PNP

10...55 DC

Current consumption [mA]

< 14 (24 V) / < 17.5 (55 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 2.5

Leakage current [mA]

< 4 (24 V) / < 7.5 (55 V)

Current rating [mA]

250

Short-circuit proof

yes

Overload protection

yes

Switching frequency [Hz]

40

Monitoring range

Sensing range [mm]

15

Accuracy / deviations

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-15...15

Environment

Ambient temperature [°C]

-25...80

Protection

IP 65

Tests / approvals

EMC

IEC 60947-5-2:

2007

MTTF [Years]

743

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT; end cap: polycarbonate

Weight [kg]

0.134

Displays / operating elements

Output status indication LED

yellow

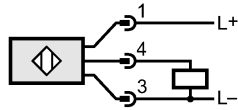
Electrical connection

KI8505 - Capacitive sensor - eclass: 27270102 / 27-27-01-02

Connection

M12 connector

Wiring



Accessories

Accessories (included)

2 lock nuts; screwdriver

Remarks

Pack quantity

[piece]

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