

Product characteristics

Capacitive sensor

Plastic thread M18 x 1

Quick disconnect

Sensing range 8 mm; adjustable 2.5...8 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 / closed programmable

Voltage drop [V]

< 4.6

Minimum load current [mA]

4

Leakage current [mA]

< 0.6

Current rating [mA]

400

Short-circuit proof

yes

Overload protection

yes

Switching frequency [Hz]

50

Monitoring range

Sensing range [mm]

8, adjustable 2.5...8 mm

Real sensing range (Sr) [mm]

8 ± 10 %

Operating distance [mm]

0...6.5

Accuracy / deviations

Correction factors

water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2

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

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT; end cap: polycarbonate

Displays / operating elements

Output status indication LED

yellow

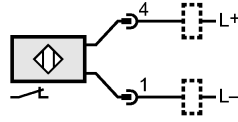
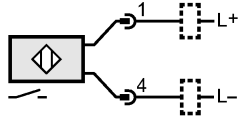
Electrical connection

Connection

M12 connector

Wiring

KG8500 - Capacitive sensor - eclass: 27270102 / 27-27-01-02



Accessories

Accessories (included)

2 lock nuts; screwdriver

Remarks

Pack quantity

[piece]

1

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