

Product characteristics

Capacitive sensor

Rectangular, plastics

Quick disconnect

Increased immunity to conducted radio frequency interference

Sensing range 60 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 15

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit proof

yes

Overload protection

yes

Switching frequency [Hz]

10

Monitoring range

Sensing range [mm]

60

Real sensing range (Sr) [mm]

60 ± 10 %

Operating distance [mm]

0...48.6

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

modified PPO

Displays / operating elements

Output status indication LED

red

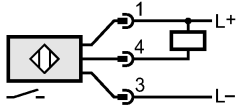
Electrical connection

Connection

7/8" connector

Wiring

KD8501 - Capacitive sensor - eclass: 27270102 / 27-27-01-02



Accessories

Accessories (included)

screwdriver

Remarks

Pack quantity

[piece]

1