

1: potentiometer

Product characteristics

Capacitive sensor

Rectangular, plastics

Quick disconnect

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

Electrical data

Electrical design

Operating voltage [V]

AC/DC

20...250 AC/DC

Protection class

II

Reverse polarity protection

no

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 8.5

Minimum load current [mA]

5

Leakage current [mA]

< 1.3 (120 V AC) / < 0.8 (24 V DC)

Current rating

- Current rating (continuous) [mA]

250 AC / 100 DC; 350 AC (...50 °C)

- Current rating (peak) [mA]

î: 2.2 A (20 ms / 0.5 Hz)

Short-circuit proof

no

Overload protection

no

Switching frequency [Hz]

10

Monitoring range

Sensing range [mm]

60, adjustable

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

Mechanical data

Mounting

non-flush mountable

Housing materials

PPO (Noryl)

Displays / operating elements

Output status indication LED

red

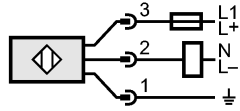
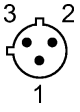
Electrical connection

Connection

Quick disconnect

Wiring

KD3501 - Capacitive sensor - eclass: 27270102 / 27-27-01-02



Note: miniature fuse to IEC60127-2 sheet 1,
 ≤ 2 A (fast acting)

Accessories	
Accessories (included)	screwdriver
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity [piece]	1