

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]

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Minimum load current [mA]

Leakage current [mA]

**Current rating**

- Current rating (continuous) [mA]

- Current rating (peak) [mA]

Short-circuit proof

Overload protection

Switching frequency [Hz]

Monitoring range

Sensing range [mm]

Real sensing range (Sr) [mm]

Operating distance [mm]

Accuracy / deviations

Correction factors

Hysteresis [% of Sr]

Switch-point drift [% of Sr]

Environment

Ambient temperature [°C]

Protection

Tests / approvals

EMC

MTTF [Years]

Mechanical data

Mounting

Housing materials

Weight [kg]

Displays / operating elements

Output status indication LED

AC/DC

20...250 AC/DC

no

normally open / closed programmable

< 10 AC / < 8 DC

5

< 2.5 (250 V AC) / < 1.7 (110 V AC) / < 1.5 (24 V DC)

200; 250 (...50 °C)

î: 1.5 A (20 ms / 0.5 Hz)

no

no

25 AC / 40 DC

15

15 ± 10 %

0...12.1

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

1...15

-15...15

-20...70

IP 65

IEC 60947-5-2:

2007

293

non-flush mountable

PBT

0.105

yellow

# KI0040 - Capacitive sensor - eclass: 27270102 / 27-27-01-02

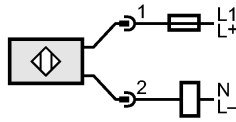
Electrical connection

Connection

connector (DIN EN 175301-803)

**Wiring**

3



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

Accessories

Accessories (included)

2 lock nuts; screwdriver

Remarks

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Recommendation: check the unit for reliable function after a short circuit.

Pack quantity

[piece]

1