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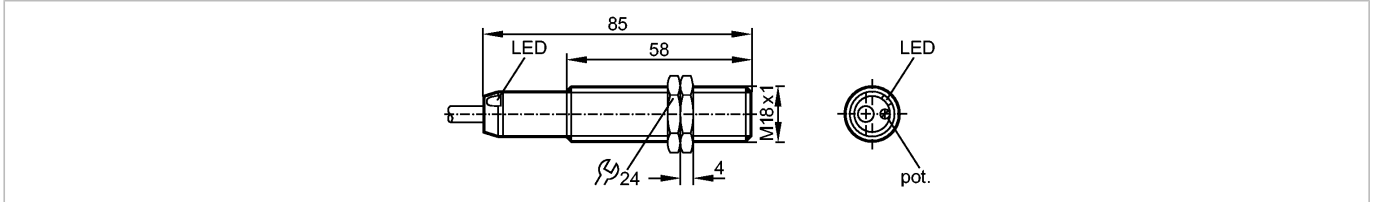
efectoriso

KG0005



KG-2008-ABOA RT

Capacitive sensors



Product characteristics

Capacitive sensor

Plastic thread M18 x 1

Cable

Sensing range 8 mm; [nfr] non-flush mountable

Electrical data

Electrical design

AC/DC

Operating voltage [V]

20...250 AC/DC

Protection class

II

Reverse polarity protection

no

Outputs

Output function

normally open

Voltage drop [V]

< 6

Minimum load current [mA]

4

Leakage current [mA]

< 2.0 (250 V AC) / < 1.5 (110 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: 2.1 A (20 ms / 1 Hz)

Short-circuit proof

no

Overload protection

no

Switching frequency [Hz]

25 AC / 50 DC

Monitoring range

Sensing range [mm]

8

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 67

Tests / approvals

EMC

EN 60947-5-2

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT

Weight [kg]

0.155

Displays / operating elements

Output status indication LED

red

Electrical connection

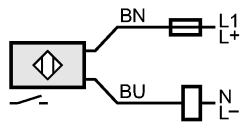
Connection

PVC cable / 2 m; 2 x 0.5 mm²

Wiring

KG0005 - Capacitive sensor - eclass: 27270102 / 27-27-01-02

Core colors
 BN brown
 BU blue



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

Accessories	
Accessories (included)	2 lock nuts; screwdriver
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity [piece]	1

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