

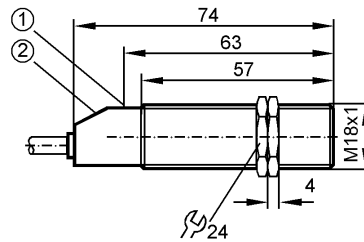
no longer available - archive entry

**efectoriso**

KG8509



Capacitive sensors



1: pushbuttons

2: 3 LED

Product characteristics

Capacitive sensor

Plastic thread M18 x 1

Cable with connector

Increased immunity to conducted radio frequency interference

Sensing range 8 mm; adjustable 2.5...8 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...36 DC

Current consumption [mA]

30 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

40

Monitoring range

Sensing range [mm]

8, adjustable 2.5...8 mm

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

Displays / operating elements

Output status indication LED

yellow

Power LED

green

Function display LED

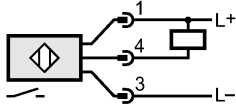
red

Electrical connection

# KG8509 - Capacitive sensor - eclass: 27270102 / 27-27-01-02

Connection	PVC cable / 0.43 m; with M8 connector
------------	---------------------------------------

## Wiring



Accessories	
-------------	--

Accessories (included)	2 lock nuts; screwdriver
------------------------	--------------------------

Remarks	
---------	--

Pack quantity	[piece]	1
---------------	---------	---

ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — KG8509 — 22.09.2005  
no longer available - archive entry