

no longer available - archive entry Alternative article: KI5060 or KI5082

When selecting an alternative article and accessories please note that technical data may differ!

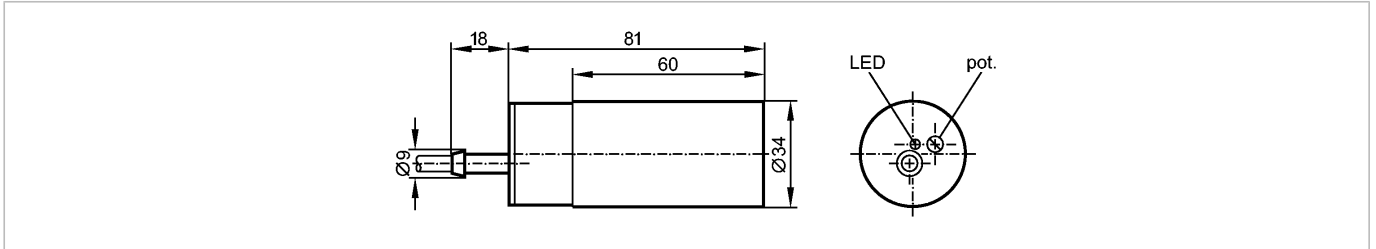
**efectoriso**

KB5078



KB-2020-FRKG/NI/PH

Capacitive sensors



Product characteristics

Capacitive sensor

Plastic housing Ø 34 mm

Cable

Sensing range 20 mm; adjustable 3...20 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...36 DC

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 4.5

Minimum load current [mA]

5

Leakage current [mA]

< 1

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

40

Monitoring range

Sensing range [mm]

20, adjustable 3...20 mm

Real sensing range (Sr) [mm]

20 ± 10 %

Operating distance [mm]

0...16.2

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]

-20...20

Environment

Ambient temperature [°C]

-25...80

Protection

IP 65

Tests / approvals

EMC

IEC 60947-5-2:

2007

MTTF [Years]

445

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT

Weight [kg]

0.25

Displays / operating elements

Output status indication LED

yellow

Electrical connection

Connection

PUR / PVC cable / 2 m; 2 x 0.5 mm<sup>2</sup>

**Wiring**

# KB5078 - Capacitive sensor - eclass: 27270102 / 27-27-01-02

Core colors  
BK black  
WH white



## Accessories

Accessories (included)

Mounting clamp; 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 — KB5078 — 15.04.2013

no longer available - archive entry Alternative article: KI5060 or KI5082

When selecting an alternative article and accessories please note that technical data may differ!