

Alternative article: KB5003

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

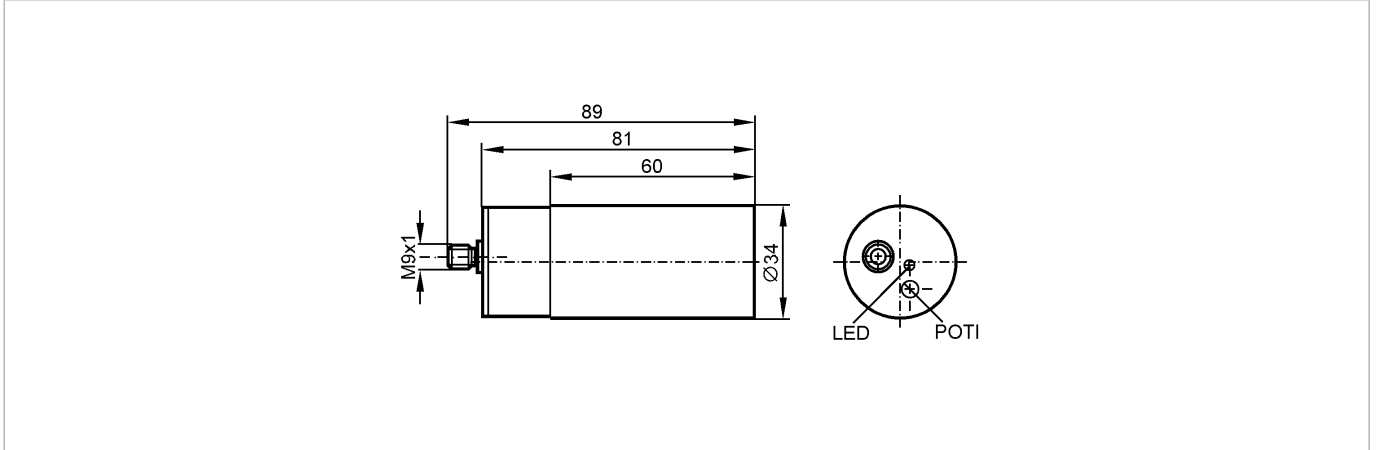
efectoriso

KB5060



KB-3020-BNKG/BS-700-A/MED/NI

Capacitive sensors



Product characteristics

Capacitive sensor

Plastic housing Ø 34 mm

Quick disconnect

Increased immunity to conducted radio frequency interference

Reduced sensitivity to media intimate contact with active face

Small hysteresis

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

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...36 DC

Current consumption [mA]

12 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally closed

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit proof

yes

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

Hysteresis [% of Sr]

0.5...4

Switch-point drift [% of Sr]

-15...15

Environment

Ambient temperature [°C]

0...50

Protection

IP 65

Tests / approvals

EMC

IEC 60947-5-2:

2007

MTTF [Years]

724

Mechanical data

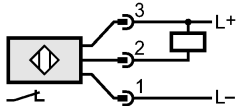
Mounting

non-flush mountable

KB5060 - Capacitive sensor - eclass: 27270102 / 27-27-01-02

Housing materials	PBT
Weight [kg]	0.112
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	M9 connector

Wiring



Accessories	
Accessories (included)	Mounting clamp; screwdriver
Remarks	
Pack quantity [piece]	1

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