



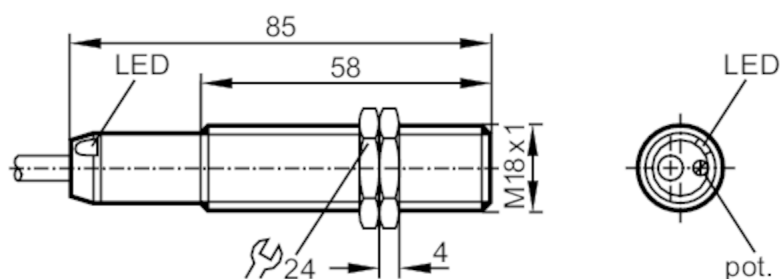
## Capacitive sensor

KG-3002-BNKG

Article no longer available - archive entry

Alternative articles: KG5046

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



## Product characteristics

Electrical design	NPN
Output function	normally closed
Sensing range [mm]	1.6; (fixed, sealed with screw retaining compound)
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 85

## Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 5; (24 V; disabled; conductive: > 12)
Protection class	II
Reverse polarity protection	yes

## Outputs

Electrical design	NPN
Output function	normally closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	50
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

## Monitoring range

Sensing range [mm]	1.6; (fixed, sealed with screw retaining compound)
Real sensing range Sr [mm]	1.6; ( $\pm 0,1$ )

## Accuracy / deviations

Correction factor	glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-15...15

# KG5032



## Capacitive sensor

KG-3002-BNKG

### Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

### Tests / approvals

EMC	EN 60947-5-2	
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### Mechanical data

Housing		Threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1 / L = 85
Thread designation		M18 x 1
Material		PBT

### Displays / operating elements

Display	Switching status	1 x LED, yellow
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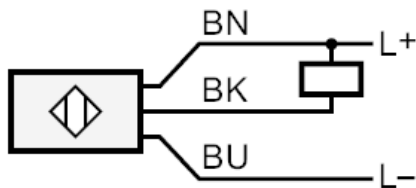
### Remarks

Pack quantity		1 pcs.
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### Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

### Connection



BN = Core colors : brown  
BU = blue  
BK = black