

# KG5007



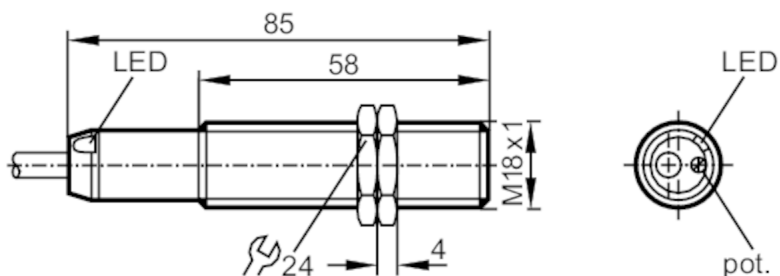
## Capacitive sensor

KG-3008-APKG

Article no longer available - archive entry

Alternative articles: KG5044

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



### Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	8
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 85

### Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	10; (24 V)
Protection class	II
Reverse polarity protection	yes

### Outputs

Electrical design	PNP
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]	8
Sensing range adjustable	yes
Factory setting sensing range [mm]	8
Real sensing range $S_r$ [mm]	$8 \pm 10 \%$
Operating distance [mm]	0...6.5

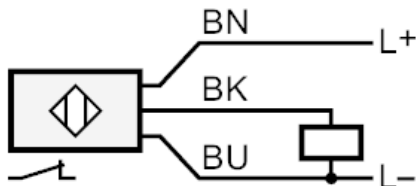
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## Capacitive sensor

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Accuracy / deviations		
Correction factor		glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis	[% of Sr]	
Switch-point drift	[% of Sr]	
		-15...15
Operating conditions		
Ambient temperature		[°C]
		-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
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
Accessories		
Items supplied		lock nuts: 2
		screwdriver: 1
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 3 x 0.5 mm²		
Connection		



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