

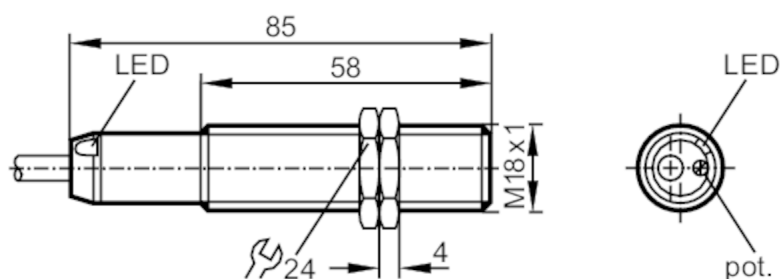
Capacitive sensor

KG-3008-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]	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	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	pulsed
Overload protection	yes

Detection zone

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

KG5009



Capacitive sensor

KG-3008-BNKG

Accuracy / deviations		
Correction factor		glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis	[% of Sr]	
Switch point drift	[% of Sr]	
		1...15
		-15...15
Operating conditions		
Ambient temperature		[-°C]
Protection		
		-25...80
		IP 67
Tests / approvals		
EMC		EN 60947-5-2
Mechanical data		
Housing		threaded type
Mounting		non-flush mountable
Dimensions		[mm]
Thread designation		M18 x 1 / L = 85
Materials		M18 x 1
		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 colours :
BN = brown
BU = blue
BK = black