

KG5043

Capacitive sensor

KG-3008-BPKG/NI



Electrical data

Operating voltage	[V]	10...36 DC; ("supply class 2" according to UL)
Current consumption	[mA]	< 10 (24 V) / < 15 (36 V)
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Output function		normally open
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 proof		yes
Overload protection		yes

Detection zone

Sensing range	[mm]	8
Sensing range adjustable		yes
Factory setting sensing range	[mm]	8
Real sensing range Sr	[mm]	8 ± 10 %
Operating distance	[mm]	0...6.5

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

Operating conditions

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

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	648

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Mechanical data		
Weight	[g]	122.5
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1 / L = 84
Thread designation		M18 x 1
Materials		PBT

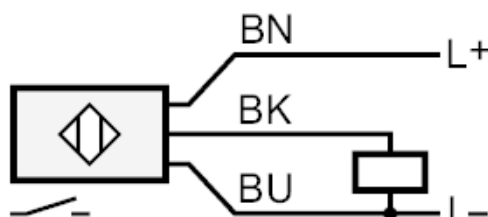
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories		
Accessories (supplied)		lock nuts: 2
		screwdriver: 1

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 2 m, PVC; 3 x 0.34 mm ²	

Connection



Core colours :

BN =	brown
BU =	blue
BK =	black