

# KB5064



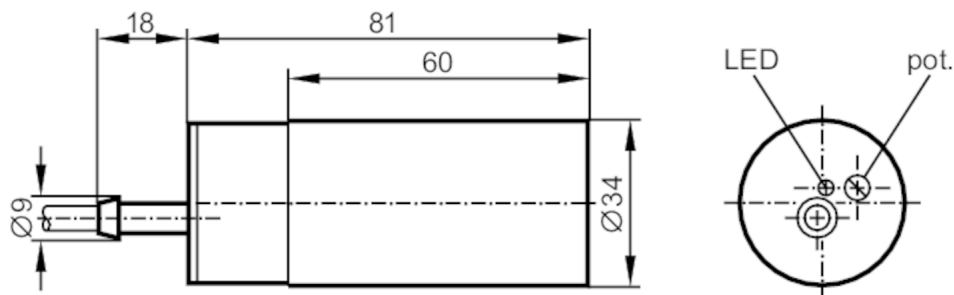
## Capacitive sensor

KB-3020-BPKG/NI/55V

Article no longer available - archive entry

Alternative articles: KI5023

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



### Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	20
Housing	tubular
Dimensions [mm]	Ø 34 / L = 81

### Electrical data

Operating voltage [V]	10...55 DC; (cULus - Class 2 source required)
Current consumption [mA]	14; (24 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]	40
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

### Monitoring range

Sensing range [mm]	20
Real sensing range Sr [mm]	20 ± 10 %
Operating distance [mm]	0...16.2

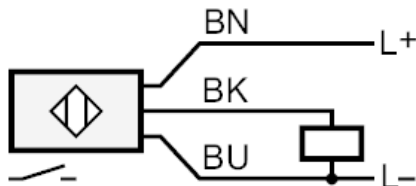
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## Capacitive sensor

KB-3020-BPKG/NI/55V

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...70
Protection		IP 65	
Increased immunity		yes; (Increased immunity to conducted radio frequency interference)	
Tests / approvals			
EMC		EN 60947-5-2	
Mechanical data			
Housing		tubular	
Mounting		non-flush mountable	
Dimensions		[mm]	Ø 34 / L = 81
Material		PBT	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
Accessories			
Items supplied		Mounting clamp: 1	
		screwdriver: 1	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			
Cable: 2 m, PVC; 3 x 0.5 mm²			
Connection			



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