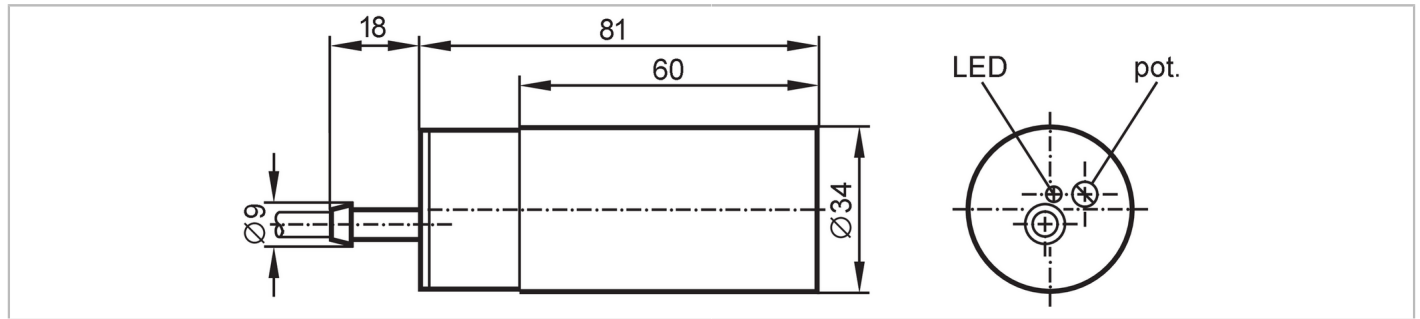


KB5004



Capacitive sensor

KB-3020-BPKG/NI



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	3...20
Housing		cylindrical
Dimensions	[mm]	Ø 34 / L = 81
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	13; (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 proof		yes
Overload protection		yes
Detection zone		
Sensing range	[mm]	3...20
Sensing range adjustable		yes
Factory setting sensing range	[mm]	20
Real sensing range Sr	[mm]	20 ± 10 %
Operating distance	[mm]	0...16.2
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

