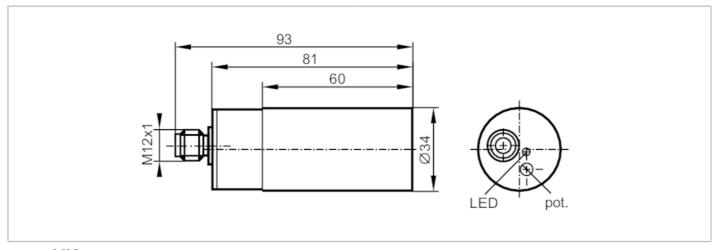
## **KB5062**

## **Capacitive sensor**

KB-3020-BPKG/NI/US-100-DPS





# C€ CA

Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	20
Housing		tubular
Dimensions	[mm]	Ø 34 / L = 93
Electrical data		
Operating voltage	[V]	1036 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
Monitoring range		
Sensing range	[mm]	20
Sensing range adjustable		yes
Factory setting sensing range	[mm]	20
Real sensing range Sr	[mm]	20 ± 10 %
Operating distance	[mm]	016.2
Accuracy / deviations		
Correction factor		glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis [%	of Sr]	115

## **KB5062**

#### **Capacitive sensor**

KB-3020-BPKG/NI/US-100-DPS



Switch-point drift	[% of Sr]	-1515
Operating conditions		
Ambient temperature	[°C]	-2570
Protection		IP 65
Increased immunity		yes; (Increased immunity to conducted radio frequency interference)
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	778
Mechanical data		
Weight	[g]	169.5
Housing		tubular
Mounting		non-flush mountable
Dimensions	[mm]	Ø 34 / L = 93
Material		PBT
Displays / operating ele	ements	
Display		Switching status 1 x LED, yellow
Accessories		
Items supplied		Mounting clamp: 2
		cylinder screws: 2
		spring discs: 2
Remarks		
Pack quantity		1 pcs.

#### Electrical connection - plug

Connector: 1 x M12; coding: A



#### Connection

