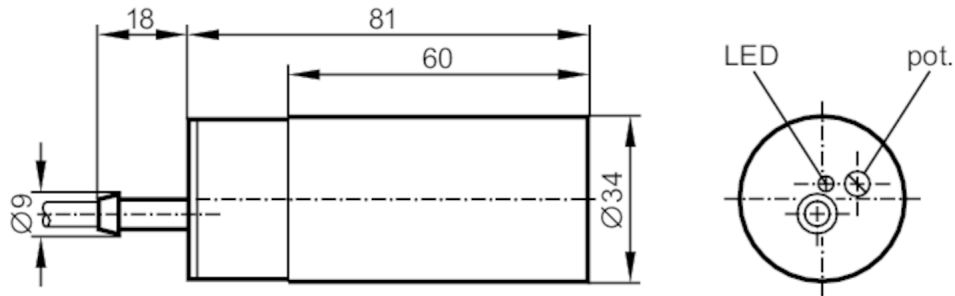


Capacitive sensor

KB-2020-ABOA/NI/6m

Article no longer available - archive entry



Product characteristics

Output function	normally open
Sensing range [mm]	3...20
Housing	cylindrical
Dimensions [mm]	Ø 34 / L = 81

Electrical data

Operating voltage [V]	20...250 AC/DC
Protection class	II
Reverse polarity protection	no

Outputs

Output function	normally open
Max. voltage drop switching output DC [V]	8
Max. voltage drop switching output AC [V]	10
Minimum load current [mA]	5
Max. leakage current [mA]	2.5 (250 V AC) / 1.7 (110 V AC) / 1.5 (24 V DC)
Permanent current rating of switching output AC [mA]	200; (250 (...50 °C))
Permanent current rating of switching output DC [mA]	200; (250 (...50 °C))
Short-time current rating of switching output [mA]	1500; (20 ms / 0,5 Hz)
Switching frequency AC [Hz]	25
Switching frequency DC [Hz]	40
Short-circuit proof	no
Overload protection	no

Detection zone

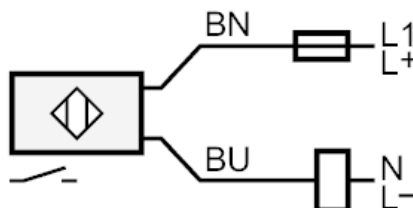
Sensing range [mm]	3...20
Sensing range adjustable	yes
Factory setting sensing range [mm]	20



Capacitive sensor

KB-2020-ABOA/NI/6m

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		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 34 / L = 81
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories		
Items supplied		Mounting clamps: 1 screwdriver: 1
Remarks		
Remarks		Recommendation: Check the safe functioning of the unit after a short circuit.
Pack quantity		1 pcs.
Electrical connection		
Cable: 6 m, PVC; 2 x 0.5 mm ²		
Connection		



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting

Core colours :

BN = brown
BU = blue