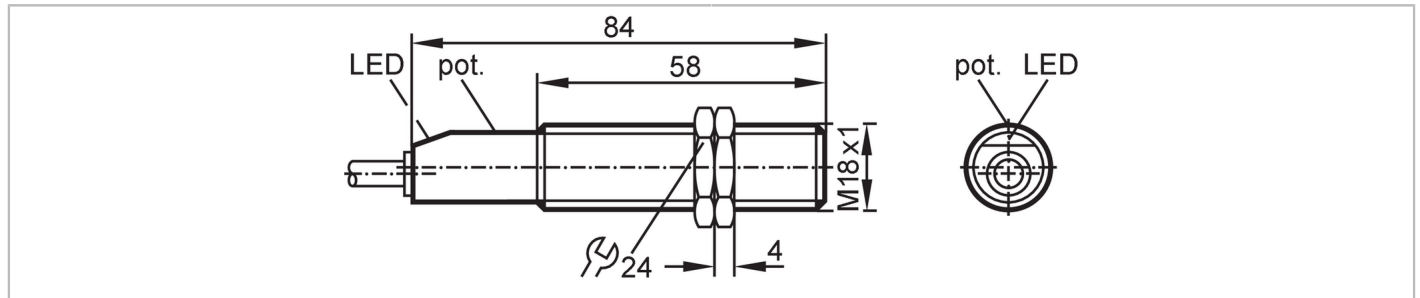


KG0009



Capacitive sensor

KG-2008-ABOA/NI



Product characteristics	
Output function	normally open
Sensing range [mm]	8
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 84
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]	6
Max. voltage drop switching output AC [V]	6
Minimum load current [mA]	4
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]	150; (350 (...50 °C))
Permanent current rating of switching output DC [mA]	100
Short-time current rating of switching output [mA]	2100; (20 ms / 0,5 Hz)
Switching frequency AC [Hz]	25
Switching frequency DC [Hz]	50
Short-circuit proof	no
Overload protection	no
Monitoring range	
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

KG0009



Capacitive sensor

KG-2008-ABOA/NI

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	334
Mechanical data		
Weight	[g]	89.4
Housing		Threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1 / L = 84
Thread designation		M18 x 1
Material		housing: 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		lock nuts: 2
Remarks		
Remarks		Recommendation: check the unit for reliable function after a short circuit.
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 2 x 0.34 mm ²		
Connection		
<pre>graph LR Sensor[Sensor] --- BN Sensor --- BU BN --- Fuse1[Fuse] --- L1_Lplus[L1/L+] BU --- Fuse2[Fuse] --- N_Lminus[N/L-]</pre>		
Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting		
Core colors :		
BN =		brown
BU =		blue