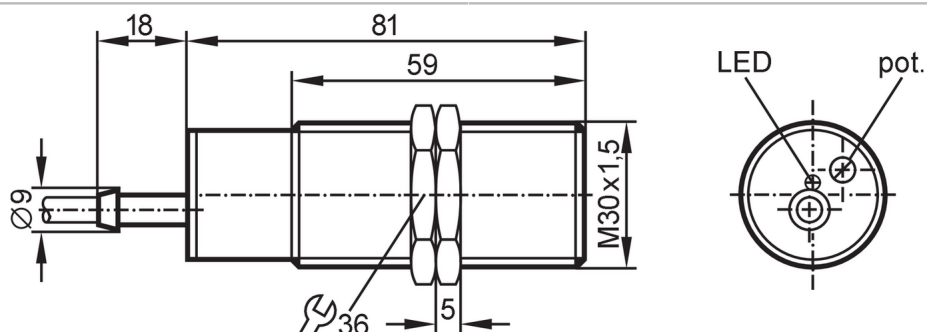


KI8509

Capacitive sensor

KI-2015-BBOA/NI/HUBBELL



Product characteristics

Output function		normally closed
Sensing range	[mm]	3...15
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5 / L = 81

Electrical data

Operating voltage	[V]	20...125 AC/DC
Protection class		II
Reverse polarity protection		no
Max. power-on delay time	[ms]	300

Outputs

Output function		normally closed
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]	1.7 (125 V AC) / 1.5 (24 V DC)
Permanent current rating of switching output AC	[mA]	200; (>70°C; 250 mA: >50°C)
Permanent current rating of switching output DC	[mA]	200; (>70°C; 250 mA: >50°C)
Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	40
Short-circuit proof		no
Overload protection		no

Monitoring range

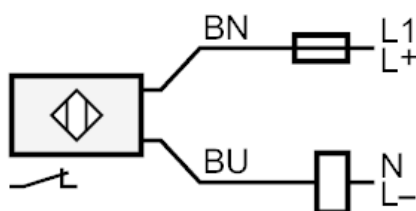
Sensing range	[mm]	3...15
Sensing range adjustable		yes
Factory setting sensing range	[mm]	15
Real sensing range Sr	[mm]	15 ± 10 %
Operating distance	[mm]	0...12.1



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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		
Weight	[g]	193.2
Housing	Threaded type	
Mounting	non-flush mountable	
Dimensions	[mm]	M30 x 1.5 / L = 81
Thread designation	M30 x 1.5	
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	
	screwdriver: 1	
Remarks		
Remarks	Recommendation: check the unit for reliable function after a short circuit.	
	The requirements regarding the protection rating of the connection / connector are to be checked and ensured by the user	
Pack quantity	1 pcs.	
Electrical connection		
Cable: 2 m, PVC; 2 x 0.5 mm²		
Connection		



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Connector: 1 x Hubbell (HBL7465V)



Connection

