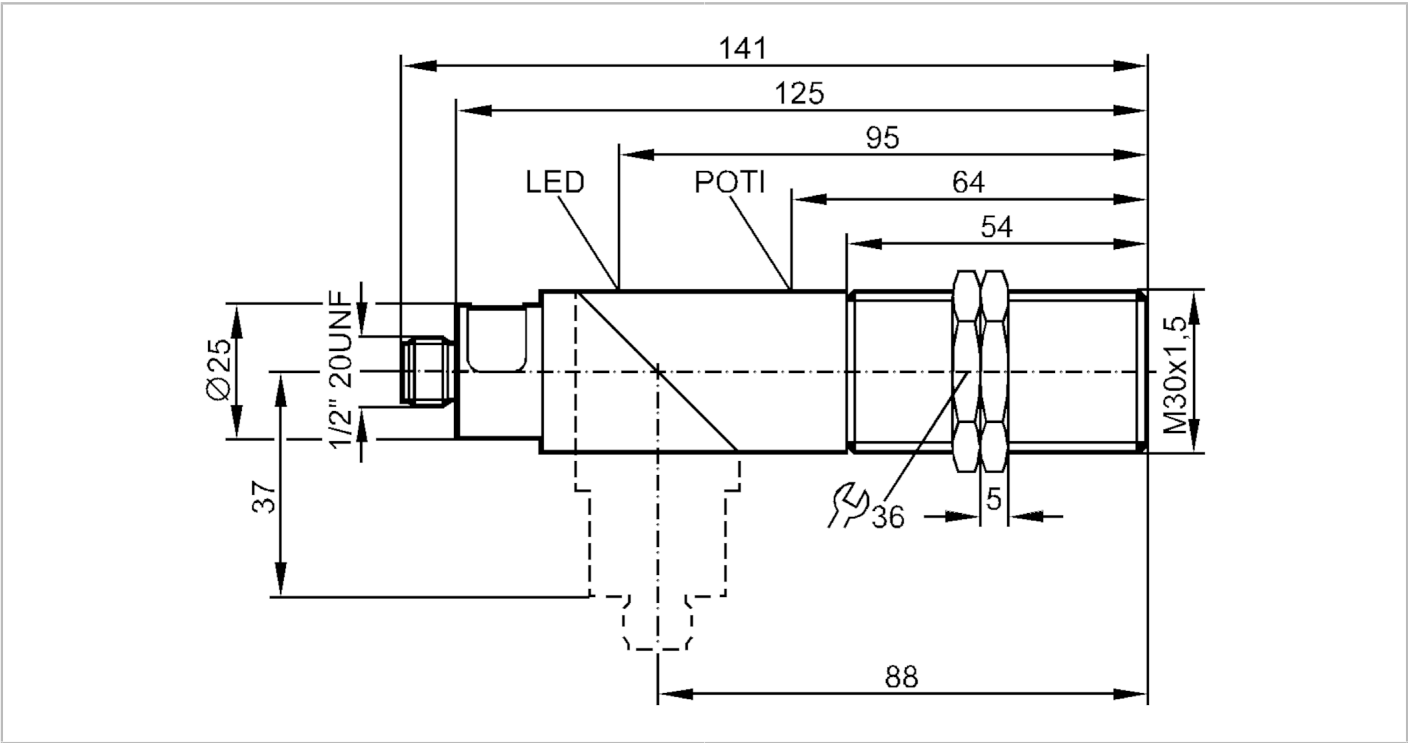


KI3513

Capacitive sensor

KIE2015-FBOA/NI/LS100AK



Product characteristics	
Electrical design	Factory setting: normally open
Output function	normally open / closed; (selectable)
Sensing range [mm]	3...15
Housing	Threaded type
Dimensions [mm]	M30 x 1.5
Electrical data	
Operating voltage [V]	20...250 AC/DC
Protection class	I
Reverse polarity protection	no



Capacitive sensor

KIE2015-FBOA/NI/LS100AK

Outputs		
Electrical design	Factory setting: normally open	
Output function	normally open / closed; (selectable)	
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]	2200; (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]	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	
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	
MTTF [years]	294	
Mechanical data		
Weight [g]	179	
Housing	Threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M30 x 1.5	
Thread designation	M30 x 1.5	
Material	PBT; brass nickel-plated	
Displays / operating elements		
Display	Switching status	1 x LED. red

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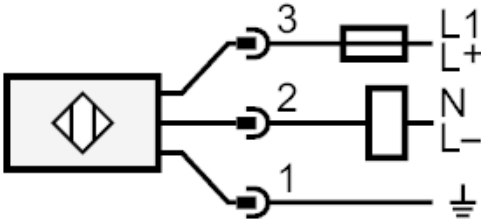
Capacitive sensor

KIE2015-FBOA/NI/LS100AK

Electrical connection	
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories	
Accessories (supplied)	lock nuts: 2
	screwdriver: 1
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x 1/2"



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