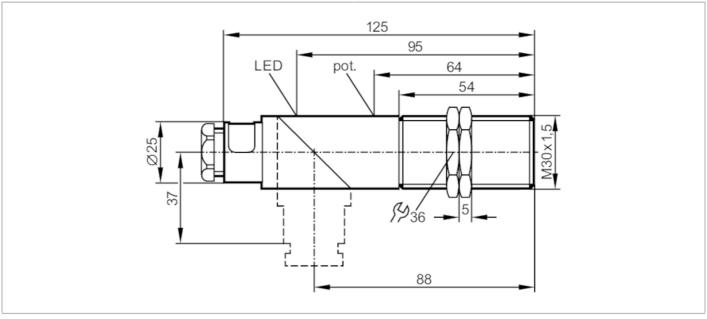
KI0024

Capacitive sensor

KIE2015-FBOA/NI







Product characteristics		
Output function		normally open / closed; (selectable)
Sensing range	[mm]	15
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5 / L = 125
Electrical data		
Operating voltage	[V]	20250 AC/DC
Protection class		II
Reverse polarity protection		no
Outputs		
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; (for UL application: 250 / 100 DC)
Permanent current rating of switching output DC	[mA]	200; (for UL application: 250 AC / 100 DC)
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

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Sensing range [mm] 15 Sensing range adjustable yes Factory setting sensing range [mm] 15 Real sensing range Sr [mm] 15±10 % Operating distance [mm] 012.1 Accuracy / deviations	Monitoring range			
Real sensing range mm 15 15 10 %	Sensing range	[mm]	15	
Real sensing range Sr [mm] 15 ± 10 % Operating distance [mm] 012.1 Accuracy / deviations [% of Sr] Correction factor [% of Sr] Hysteresis [% of Sr] 115 Switch-point drift [% of Sr] -1515 Operating conditions Ambient temperature [°C] -2570 Protection Increased immunity yes; (Increased immunity to conducted radio frequency interference) 1P 65 Increased immunity yes; (Increased immunity to conducted radio frequency interference) 1M 68 Mechanical data Weight [years] 468 Mechanical data Weight [years] 137 Housing Threaded type Mounting Threaded type Mounting Non-flush mountable Non-flush mountable Dimensions [mm] M30 x 1.5 / L = 125 15 L = 125 Thread designation M30 x 1.5 / L = 125 Naterial PBT; end cap: PC Displays operating elements Display Switching status 1 x LED, yellow Electrical connection miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting Accessories Items supplied lock nuts: 2 screwdriver: 1 Remarks	Sensing range adjustable	е	yes	
Operating distance [mm] 012.1 Accuracy / deviations Correction factor glass: 0.4 / water: 1 / ceramics: 0.2 / PVC; 0.2 Hysteresis [% of St] 115 Switch-point drift [% of St] -1515 Operating conditions -2570 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] 468 Mechanical data Weight [g] 137 Housing Threaded type Mounting non-flush mountable Dimensions [mm] M30 x 1.5 / L = 125 Thread designation M30 x 1.5 / L = 125 Material PBT; end cap: PC Displays / operating elements Display Switching status 1 x LED, yellow Electrical connection miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting Accessories Items supplied lock nuts: 2 Remarks Rec	Factory setting sensing r	range [mm]	15	
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Required protectionminiature fuse to IEC60127-2 sheet 1; \leq 2 A; fast actingAccessorieslock nuts: 2 screwdriver: 1RemarksRecommendation: check the unit for reliable function after a short circuit.	Display		Switching status 1 x LED, yellow	
Accessories Items supplied Iock nuts: 2 screwdriver: 1 Remarks Remarks Recommendation: check the unit for reliable function after a short circuit.	Electrical connection			
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Remarks Remarks Recommendation: check the unit for reliable function after a short circuit.	Accessories			
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Remarks Recommendation: check the unit for reliable function after a short circuit.			screwdriver: 1	
	Remarks			
Pack quantity 1 pcs.			Recommendation: check the unit for reliable function after a short circuit.	
	Pack quantity		1 pcs.	

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Capacitive sensor

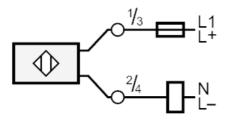
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Electrical connection

terminals: ...2.5 mm²; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5

Connection



Note miniature fuse to IEC60127-2 sheet $1 \le 2$ A fast acting