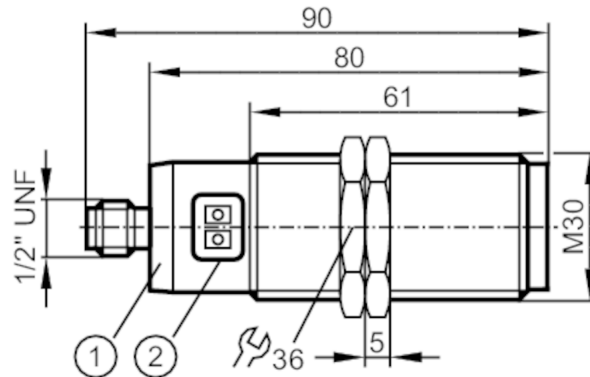


KI0054



Capacitive sensor

KI-2200NFBOAP2T/LS100



- 1 LED ring
- 2 Programming buttons



Product characteristics

Output function		normally open / closed; (selectable)
Sensing range	[mm]	5...40; (Programming buttons)
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5 / L = 90

Application

Installation		detection through non-metallic container wall or on bypass pipes
Media		dry bulk material; liquids

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	30...250 AC / 20...250 DC
Protection class		II
Reverse polarity protection		yes

Outputs

Output function		normally open / closed; (selectable)
Max. voltage drop switching output DC	[V]	8
Max. voltage drop switching output AC	[V]	10
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]	100; (150 (...40 °C))
Permanent current rating of switching output DC	[mA]	100; (150 (...40 °C))
Short-time current rating of switching output	[mA]	1000; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	10
Switching frequency DC	[Hz]	10
Short-circuit proof		no
Overload protection		no

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Capacitive sensor

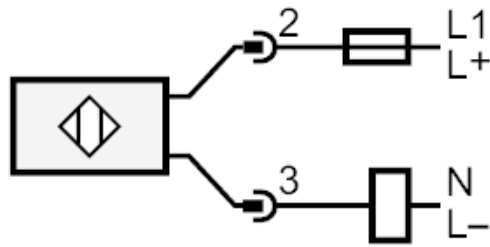
KI-2200NFBOAP2T/LS100

Monitoring range	
Sensing range [mm]	5...40; (Programming buttons)
Sensing range adjustable	yes
Factory setting sensing range [mm]	20
Real sensing range Sr [mm]	20 ± 10 %
Accuracy / deviations	
Correction factor	glass: 0.3 / water: 1 / ceramics: 0.2 / PVC: 0.1
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-20...20
Operating conditions	
Ambient temperature [°C]	-25...80
Note on ambient temperature	temperature of the sensing face: -25...110 °C
Protection	IP 65; IP 67
Tests / approvals	
EMC	EN 60947-5-2
MTTF [years]	321
Mechanical data	
Weight [g]	109.8
Housing	Threaded type
Mounting	non-flush mountable
Dimensions [mm]	M30 x 1.5 / L = 90
Thread designation	M30 x 1.5
Material	housing: PBT; Pushbuttons: TPE-U; LED window: PC
Displays / operating elements	
Display	Switching status 1 x LED ring, yellow translucent connector indicates output status
Teach function	yes
Electronic lock	yes
Electrical connection	
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories	
Items supplied	lock nuts: 2
Remarks	
Remarks	Note: Check the safe functioning of the unit after a short circuit.
Pack quantity	1 pcs.
Electrical connection - plug	
Connector: 1 x 1/2"	

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Capacitive sensor

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