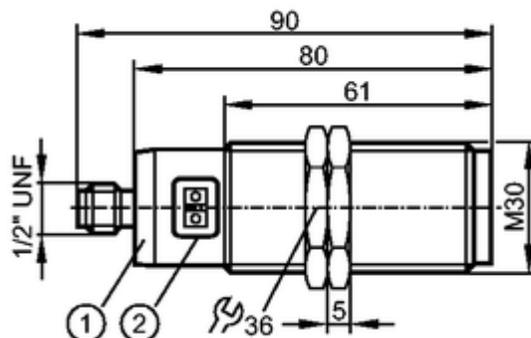




# KI0058

KI-2200NFBOAP2T/LS100

Capacitive sensors



- 1: LED ring  
2: Programming buttons



## Product characteristics

Capacitive sensor  
Plastic thread M30 x 1.5  
Connector  
Teach function  
Adjustable switching delay  
Electronic lock  
Sensing range 20 mm; [nf] non-flush mountable

## Electrical data

Electrical design	AC/DC
Operating voltage [V]	20...250 DC / 30...250 AC
Rated insulation voltage [V]	250
Protection class	II
Reverse polarity protection	yes

## Outputs

Output function	normally open / closed programmable
Voltage drop [V]	< 10
Minimum load current [mA]	5
Leakage current [mA]	< 2.5 (250 V AC) / < 1.7 (110 V AC) / < 1.5 (24 V DC)
<b>Current rating</b>	
- Current rating (continuous) [mA]	100; 150 (...40 °C)
- Current rating (peak) [mA]	î: 1.0 A (20 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	10

## Range

Sensing range [mm]	20
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## Accuracy / deviations

Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-20...20

**Reaction times**

Power-on delay time [ms]	< 700
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**Software / programming**

Programming options	5 output hold times programmable 1: 15 min ; 2: 30 min ; 3: 45 min ; 4: 60 min ; 5: 0 min
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**Environment**

Ambient temperature [°C]	-25...80, temperature of the sensing face -25...110 °C
Protection	IP 65 / IP 67

**Tests / approvals**

EMC	EN 61000-4-2	4 kV CD / 8 kV AD
	EN 61000-4-3	3 V/m
	EN 61000-4-4	2 kV
	EN 61000-4-6	3 V
	EN 55011:	class B

**Mechanical data**

Mounting	non-flush mountable
Housing materials	housing: PBT; connector: PC; buttons: TPE-U
Weight [kg]	0.118

**Displays / operating elements**

Output status indication LED	yellow
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**Electrical connection**

Connection	1/2" UNF-Connector
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**Wiring**



Note: miniature fuse to IEC60127-2 sheet 1, ≤ 2 A (fast acting)

**Accessories**

Accessories (included)	2 lock nuts
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**Remarks**

Remarks	N.B: check the unit for reliable function after a short circuit!
Pack quantity [piece]	1

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