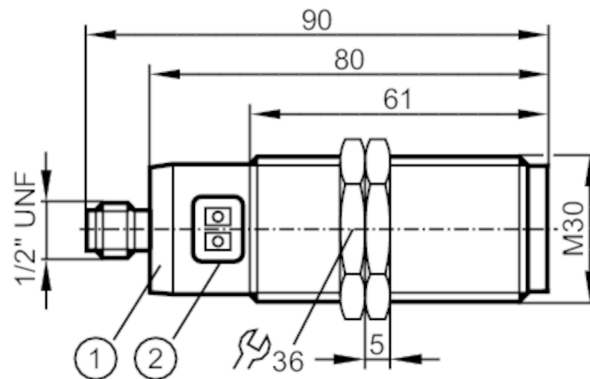


KI0058



Capacitive sensor

KI-2200NFBOAP2T/LS100



- 1 LED ring
- 2 Programming buttons



Product characteristics

Output function		normally open / closed; (selectable)
Sensing range	[mm]	20
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5 / L = 90

Electrical data

Operating voltage	[V]	30...250 AC / 20...250 DC
Rated insulation voltage	[V]	250
Protection class		II
Reverse polarity protection		yes
Max. power-on delay time	[ms]	700
Measuring principle		capacitive

Outputs

Output function		normally open / closed; (selectable)
Max. voltage drop switching output DC	[V]	10
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]	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

KI0058



Capacitive sensor

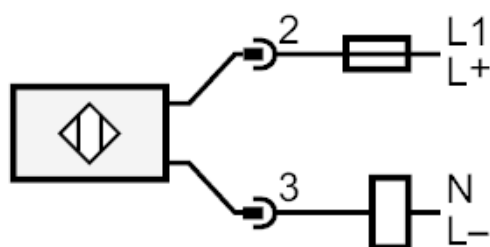
KI-2200NFBOAP2T/LS100

Monitoring range		
Sensing range	[mm]	20
Accuracy / deviations		
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-20...20
Software / programming		
Parameter setting options	5 output hold times programmable; (1: 15 min; 2: 30 min; 3: 45 min; 4: 60 min; 5: 0 min)	
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 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		
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, yellow
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"; coding: C		

KI0058

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