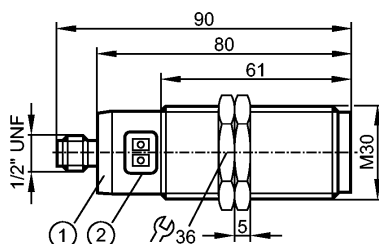


KI0058

KI-2200NFBOAP2T/LS100

Capacitive sensors


- 1: LED ring
2: Programming buttons

Made in Germany


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
Power-on delay time [ms]	< 700

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)

Current rating	
- 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

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

KI0058

KI-2200NFBOAP2T/LS100

Capacitive sensors

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 (80...2000 MHz)
	EN 61000-4-4	2 kV
	EN 61000-4-6	3 V (0.05...80 MHz)
	EN 55011:	class B

Mechanical data

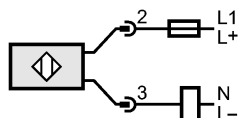
Mounting		non-flush mountable
Housing materials		housing: PBT; connector: PC; buttons: TPE-U
Weight	[kg]	0.118

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