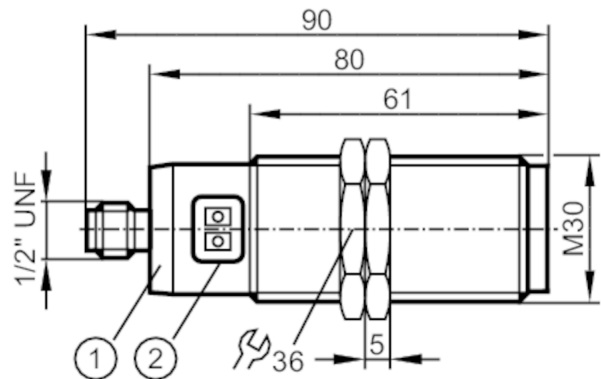


KI0054



Capacitive sensor

KI-2200NFBOP2T/LS100



- 1 LED ring
- 2 programming buttons



Product characteristics

Output function	normally open / normally 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
Measuring principle	capacitive



Capacitive sensor

KI-2200NFBOAP2T/LS100

Outputs		
Output function		normally open / normally 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
Detection zone		
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
Materials		housing: PBT; pushbuttons: TPE-U; LED window: PC
Displays / operating elements		
Display	switching status	1 x LED ring, yellow plug lights translucently
Teach function		yes
Electronic lock		yes

KI0054



Capacitive sensor

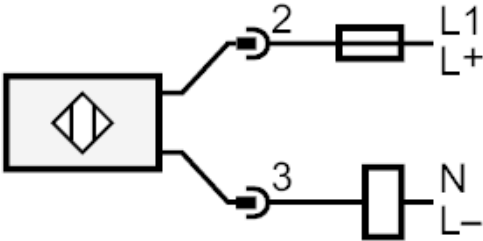
KI-2200NFBOAP2T/LS100

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"





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