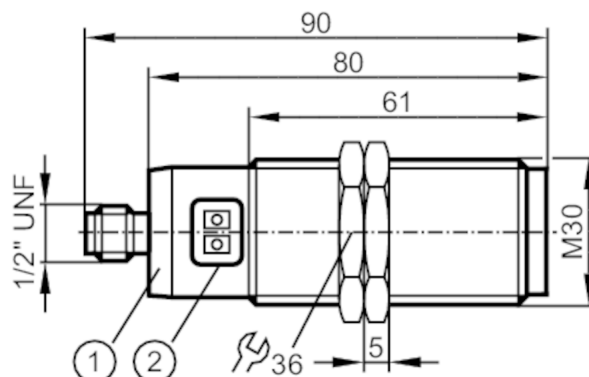




Capacitive sensor

KI-2200NFBOP2T/LS100



- 1 LED ring
- 2 programming buttons



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 / 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 %



Capacitive sensor

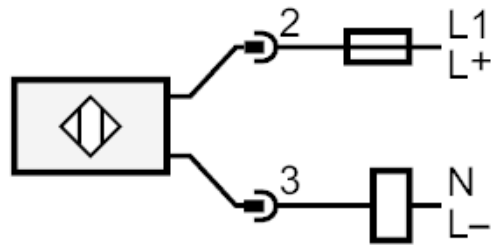
KI-2200NFBOAP2T/LS100

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]	123.8
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 90
Thread designation		M30 x 1.5
Materials		housing: PBT; plug: PC; pushbuttons: TPE-U
Displays / operating elements		
Display	switching status	1 x LED ring, yellow plug lights translucently
Teach function		yes
Electronic lock		yes
Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories		
Accessories (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"		
		

KI0054

Capacitive sensor

KI-2200NFBOAP2T/LS100



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