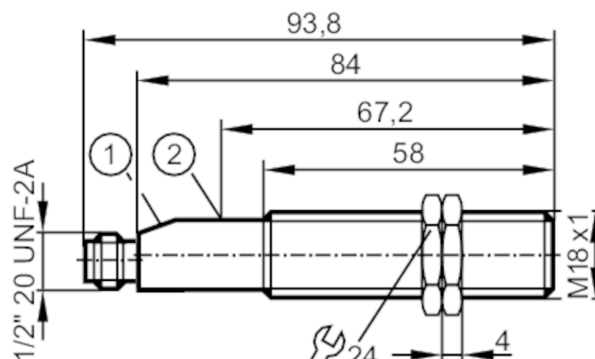


Capacitive sensor

KG-2008-BBOA/NI/LS100

Article no longer available - archive entry



- 1 LED
2 potentiometer



Product characteristics

Output function		normally closed
Sensing range [mm]		8
Housing		threaded type
Dimensions [mm]		M18 x 1 / L = 93.8

Electrical data

Operating voltage [V]		20...250 AC/DC
Protection class		II
Reverse polarity protection		no

Outputs

Output function		normally closed
Max. voltage drop switching output DC [V]		6
Max. voltage drop switching output AC [V]		6
Minimum load current [mA]		4
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]		150; (350 (...50 °C))
Permanent current rating of switching output DC [mA]		100
Short-time current rating of switching output [mA]		2100; (20 ms / 0,5 Hz)
Switching frequency AC [Hz]		25
Switching frequency DC [Hz]		50
Short-circuit proof		no
Overload protection		no

Detection zone

Sensing range [mm]		8
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Real sensing range Sr	[mm]	8 ± 10 %
Operating distance	[mm]	0...6.5
Accuracy / deviations		
Correction factor		glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-15...15
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1 / L = 93.8
Thread designation		M18 x 1
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories		
Items supplied		lock nuts: 2 screwdriver: 1
Remarks		
Remarks		Recommendation: Check the safe functioning of the unit after a short circuit.
Pack quantity		1 pcs.

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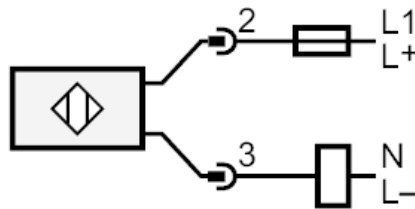


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Electrical connection - plug

Connector: 1 x 1/2"; coding: C



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