KN0006

Capacitive sensor

KNM30NPKBBOW/LS100

Article no longer available - archive entry

Alternative articles: KI0054
When selecting an alternative article and accessories please note that technical data may differ!
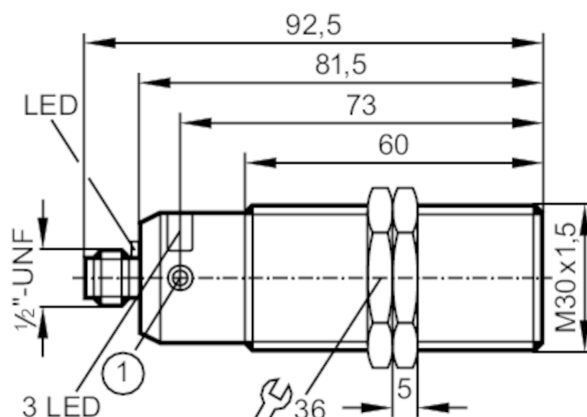
1   Programming button

CE

Product characteristics		
Output function		normally closed
Sensing range	[mm]	Programmable sensing range
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5 / L = 92
Application		
Installation		detection through non-metallic container walls
Media		dry bulk material; liquids
Medium temperature	[°C]	-25...110
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	30...250 AC
Protection class		II
Outputs		
Output function		normally closed
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)
Permanent current rating of switching output AC	[mA]	200; (250 (...40 °C))
Short-time current rating of switching output	[mA]	1500; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	5

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Monitoring range		
Sensing range	[mm]	Programmable sensing range
Sensing range adjustable		yes
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	IEC 60947-5-2	
Mechanical data		
Housing		Threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 92
Thread designation		M30 x 1.5
Material		PBT; PP
Displays / operating elements		
Display	Switching status	2 x LED, yellow
	Programming	1 x LED, green
	error	1 x LED, red
Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories		
Items supplied		lock nuts: 2
Remarks		
Remarks		Recommendation: check the unit for reliable function after a short circuit.
Pack quantity		1 pcs.

Electrical connection - plug
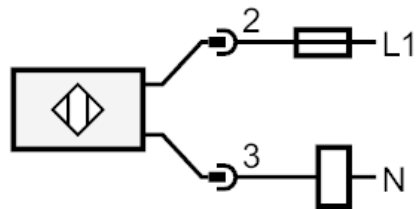
Connector: 1 x 1/2"; coding: C

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Connection

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