



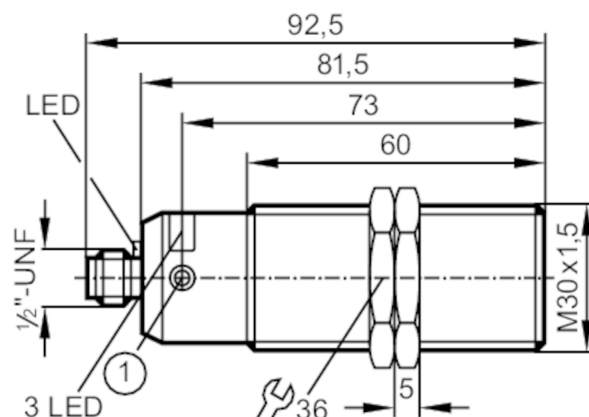
Capacitive sensor

KNM30NPKABOW/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



Product characteristics

Output function	normally open
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
Reverse polarity protection	no

Outputs

Output function	normally open
Max. voltage drop switching output AC [V]	10
Minimum load current [mA]	5
Max. leakage current [mA]	2.5 (250 V AC); (typical 1.7 mA (110 V))
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)

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Switching frequency AC	[Hz]	5
Short-circuit proof		no

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	
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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
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Accessories

Items supplied	lock nuts: 2
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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



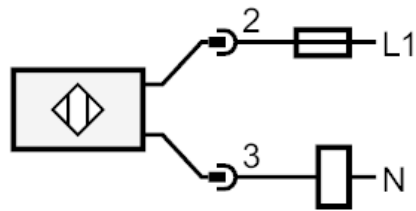
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Connection



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