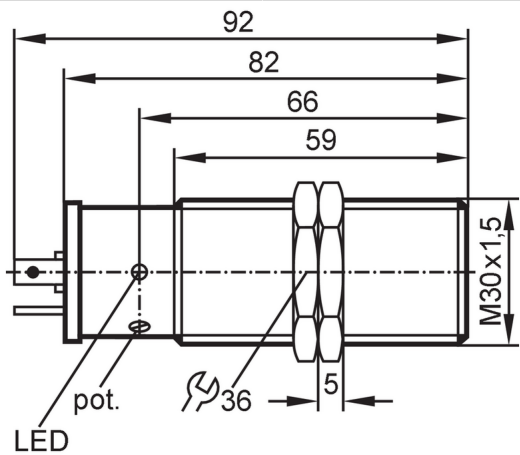




Capacitive sensor

KI-3015-FPKG/NI/SS-000-K



Product characteristics		
Electrical design		PNP
Output function		normally open / normally closed; (selectable)
Sensing range	[mm]	15
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 92
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	13; (24 V)
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open / normally closed; (selectable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	40
Short-circuit proof		yes
Overload protection		yes
Detection zone		
Sensing range	[mm]	15
Real sensing range Sr	[mm]	15 ± 10 %
Operating distance	[mm]	0...12.1
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

KI5038



Capacitive sensor

KI-3015-FPKG/NI/SS-000-K

Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 65
Increased immunity		yes; (increased immunity to conducted radio frequency interference)

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	769

Mechanical data

Weight	[g]	101.5
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 92
Thread designation		M30 x 1.5
Materials		housing: PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

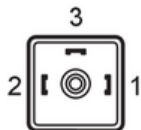
Items supplied		lock nuts: 2
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Remarks

Pack quantity		1 pcs.
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Electrical connection - plug

Connector: 1 x valve plug type A DIN (DIN EN 175301-803)



Connection

