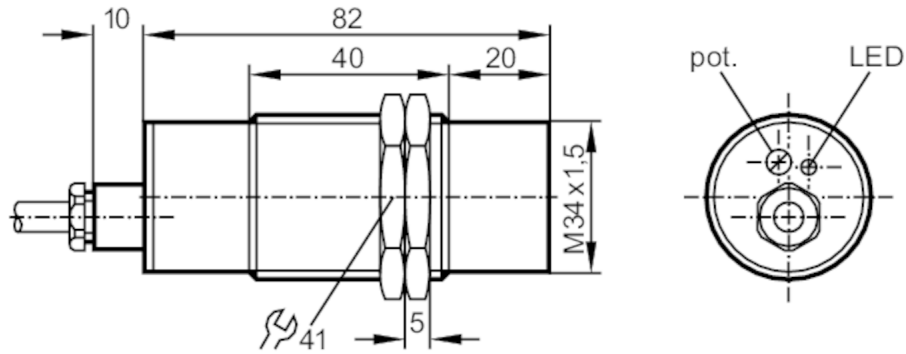


KX5002



Capacitive NAMUR sensor

KX-2015-N/NI/6M/1D/1G



Electrical data

Connection to switching amplifiers	yes
Switching amplifiers	connection to certified intrinsically safe circuits with the max. values: U = 15 V / I = 50 mA / P = 120 mW
Nominal voltage DC [V]	8.2; (1kΩ)
Supply voltage DC [V]	7.5...15
Current consumption [mA]	< 1; (disabled; conductive: > 2,2)
Protection class	I

Outputs

Electrical design	NAMUR
Output function	normally closed
Switching frequency DC [Hz]	40

Detection zone

Sensing range [mm]	15
Sensing range adjustable	yes
Factory setting sensing range [mm]	15

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]	-20...60
Protection	IP 65

Tests / approvals

Approval	DMT 01 ATEX E 020
ATEX marking	II 1G Ex ia IIB T6 Ga
	II 1D Ex ia IIIC T90 °C Da
EMC	EN 60947-5-2
MTTF [years]	838

KX5002



Capacitive NAMUR sensor

KX-2015-N/NI/6M/1D/1G

Safety classification

Max. internal capacitance	[nF]	375.64
Max. internal inductance	[μH]	3

Mechanical data

Weight	[g]	646
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M34 x 1.5 / L = 92
Thread designation		M34 x 1.5
Materials		brass white bronze coated; sensing face: PTFE

Displays / operating elements

Display	switching status	1 x LED, yellow
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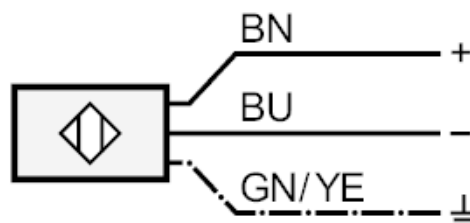
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 6 m, PVC; 3 x 0.5 mm²

Connection



Core colours :

BN =	brown
BU =	blue
GN/YE =	green/yellow