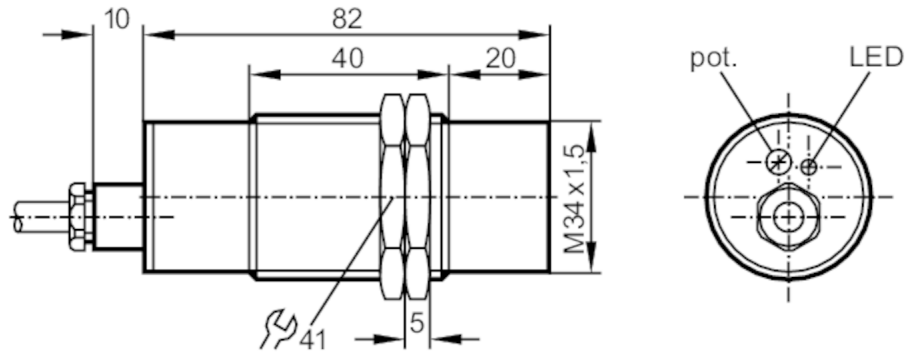


KX5001



Capacitive NAMUR sensor

KX-2015-N/NI/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

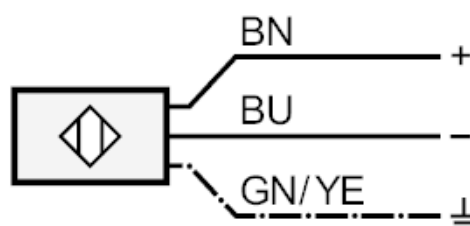
KX5001



Capacitive NAMUR sensor

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

Safety classification		
Max. internal capacitance	[nF]	375
Max. internal inductance	[μH]	1
Mechanical data		
Weight	[g]	417
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
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 3 x 0.5 mm ²		
Connection		



Core colours :

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