



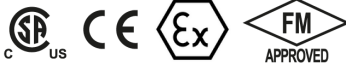
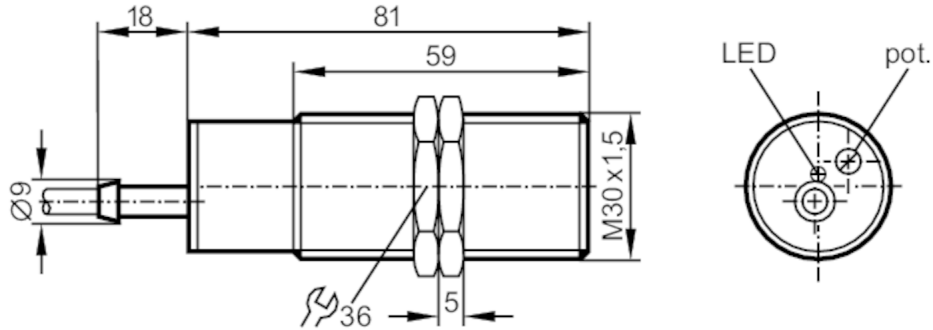
Capacitive NAMUR sensor

KI-2015-N/NI/50M/1D/1G

Article no longer available - archive entry

Alternative articles: KI5031

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	NAMUR
Output function	normally closed
Sensing range [mm]	15
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 81

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	II

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
Real sensing range Sr [mm]	15 ± 10 %

Accuracy / deviations

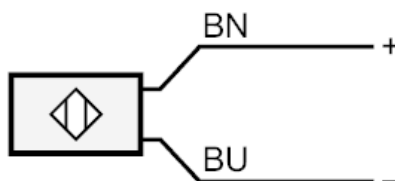
Correction factor	glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis [% of Sr]	1...15
Switch point drift [% of Sr]	-15...15



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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	IEC 60947-5-2	
Safety classification		
Max. internal capacitance	[nF]	382.64
Max. internal inductance	[μH]	25
Mechanical data		
Weight	[g]	2.145
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 81
Thread designation		M30 x 1.5
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 50 m, PVC; 2 x 0.5 mm²		
Connection		



Core colours :
 BN = brown
 BU = blue