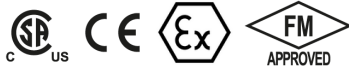
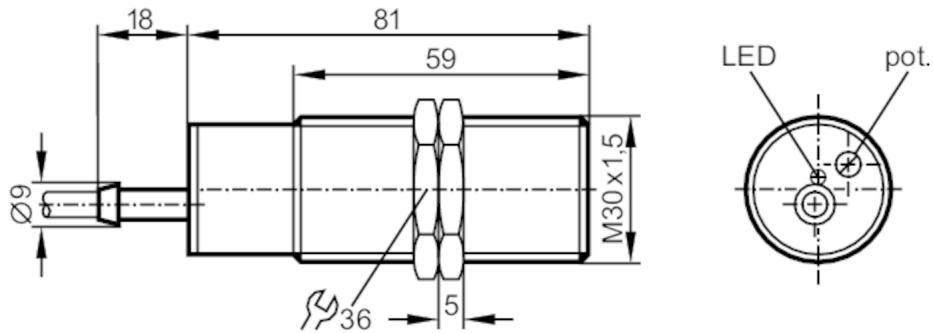


Capacitive NAMUR sensor

KI-2015-N/NI/10m/1G

Article no longer available - archive entry



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 [X01]	1...15
Switch point drift [X01]	-15...15

Operating conditions

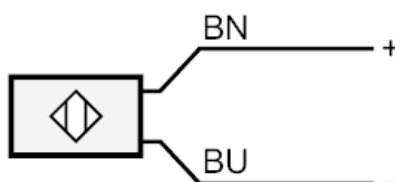
Ambient temperature [°C]	-20...60
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Capacitive NAMUR sensor

KI-2015-N/NI/10m/1G

Protection		IP 65	
Tests / approvals			
Approval		DMT 01 ATEX E 020	
ATEX marking		 II 1G EEx ia IIB T6	
EMC	EN 61000-4-2 ESD		8 kV contact discharge / 15 kV air discharge
	EN 61000-4-3 HF radiated		10 V/m
	EN 61000-4-4 Burst		4 kV coupling clamp
	EN 61000-4-6 HF conducted		10 V
Safety classification			
Max. internal capacitance		[nF]	376.28
Max. internal inductance		[μH]	5
Mechanical data			
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: 10 m, PVC; 2 x 0.5 mm²			
Connection			



BN = Core colours :
brown
BU = blue