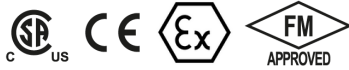
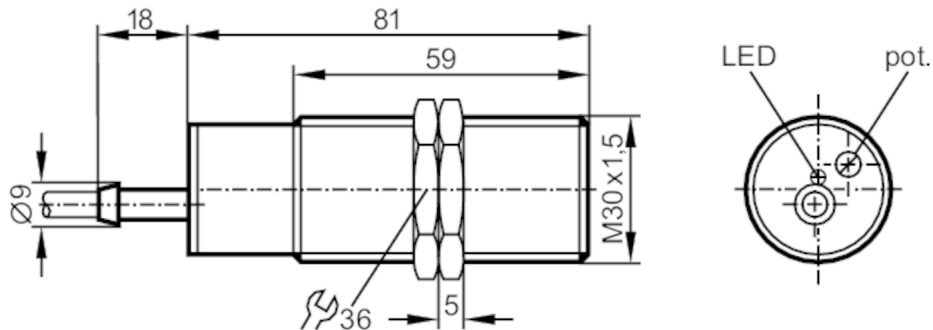




Capacitive NAMUR sensor

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 at circuit amplifier	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

Monitoring range

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

Operating conditions

Ambient temperature [°C]	-20...60
Protection	IP 65

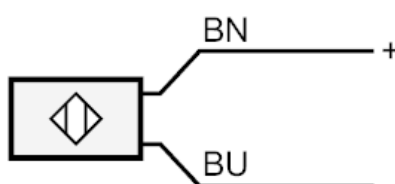
KI5032



Capacitive NAMUR sensor

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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	
Material	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 colors : brown
BU = blue