



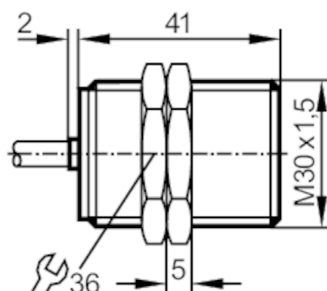
Inductive NAMUR sensor

II-2010-N/10M/2G

Article no longer available - archive entry

Alternative articles: NI5012

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]	10
Housing	Threaded type
Dimensions [mm]	M30 x 1.5 / L = 41

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...30; (when used outside the hazardous area)
Current consumption [mA]	< 1; (disabled; conductive: > 2,1)

Outputs

Electrical design	NAMUR
Output function	normally closed
Permanent current rating of switching output DC [mA]	30; (when used outside the hazardous area)
Switching frequency DC [Hz]	450

Monitoring range

Sensing range [mm]	10
Real sensing range Sr [mm]	10 ± 10 %

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

Operating conditions

Ambient temperature [°C]	-20...70
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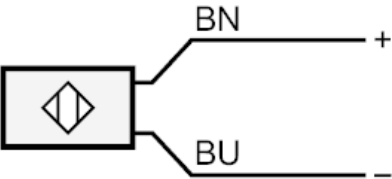
NI5009



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Protection		IP 67	
Tests / approvals			
Approval		PTB 01 ATEX 2191	
ATEX marking		 II 2G EEx ia IIC T6	
EMC		EN 60947-5-2	
Shock/vibration resistance		30 g (11 ms) / 10-55 Hz (1 mm)	
Safety classification			
Max. internal capacitance		[nF]	147
Max. internal inductance		[μH]	148
Mechanical data			
Housing		Threaded type	
Mounting		flush mountable	
Dimensions		[mm]	M30 x 1.5 / L = 41
Thread designation		M30 x 1.5	
Material		PBT	
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			
Cable: 10 m, PVC; 2 x 0.5 mm²			
Connection			



BN = Core colors : brown
BU = blue