



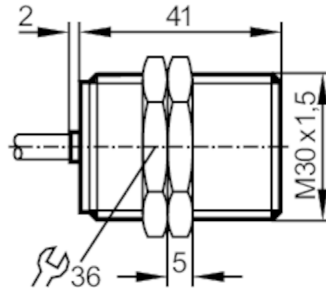
Inductive NAMUR sensor

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 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...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

Detection zone

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

Accuracy / deviations

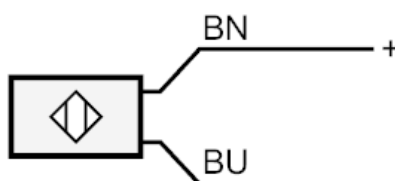
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis [% of Sr]	1...15
Switch point drift [% of Sr]	-10...10



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Operating conditions		
Ambient temperature	[°C]	-20...70
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
Materials		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 colours :
brown
BU = blue