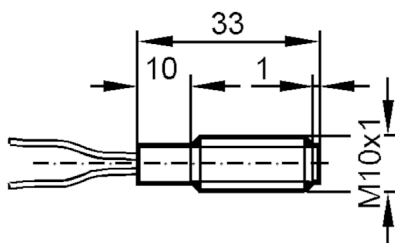




## Induktiver NAMUR-Sensor

I9-2003-N/M10X1/0,5M

Article no longer available - archive entry



## Product characteristics

Electrical design	NAMUR
Output function	normally closed
Housing	threaded type
Dimensions [mm]	M10 x 1 / L = 33

## Application

Application	housing suited for an ambient pressure of max. 100 bar
Installation	installation on aluminium measuring wheel; (DN80)
Pressure rating [bar]	100

## 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
Current consumption [mA]	< 1; (disabled; conductive: > 2,1)
Protection class	III

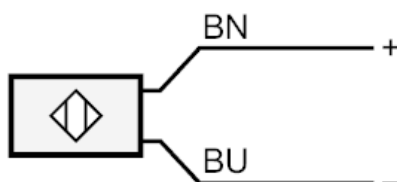
## Outputs

Electrical design	NAMUR
Output function	normally closed
Permanent current rating of switching output DC [mA]	30

**Induktiver NAMUR-Sensor**

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Switching frequency DC	[Hz]	2000
Notes on switching frequency	[Hz]	on the aluminium measuring wheel
<b>Accuracy / deviations</b>		
Hysteresis	[% of Sr]	1...15
<b>Operating conditions</b>		
Ambient temperature	[°C]	-20...60
Protection		IP 67
<b>Tests / approvals</b>		
EMC	EN 60947-5-6	
Shock/vibration resistance		30 g (11 ms) / 10-55 Hz (1 mm)
<b>Safety classification</b>		
Max. internal capacitance	[nF]	90
Max. internal inductance	[μH]	100
<b>Mechanical data</b>		
Weight	[g]	24.8
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M10 x 1 / L = 33
Thread designation		M10 x 1
Materials		brass special coating; sensing face: LCP
<b>Remarks</b>		
Pack quantity		1 pcs.
<b>Electrical connection</b>		
Cable: 0.5 m; 2 x 0.14 mm², PVC		
<b>Connection</b>		



BN = Core colours :  
brown  
BU = blue