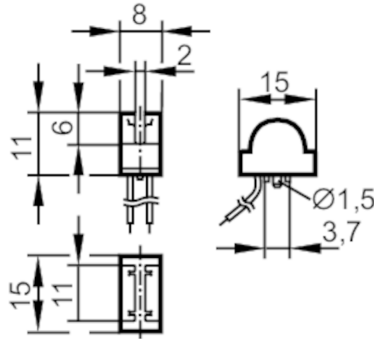


# N7S20A



## Inductive NAMUR slot sensor

I7S2002-N /1G/1D



### 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; (1k $\Omega$ )
Supply voltage DC [V]	5...25; (when used outside the hazardous area)
Current consumption [mA]	< 1.2; (disabled; conductive: > 2,1)
Protection class	III

### Outputs

Electrical design	NAMUR
Output function	normally closed
Switching frequency DC [Hz]	5000

### Detection zone

Insertion depth (from the side) [mm]	5...7
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### Operating conditions

Ambient temperature [°C]	-40...100
Protection	IP 67

### Tests / approvals

Approval	BVS 08 ATEX E026; IECEx BVS 09.0016
ATEX marking	$\text{Ex}$ II 1G Ex ia IIC T4 Ga
	$\text{Ex}$ II 1D Ex ia IIIC T125°C Da
EMC	EN 60947-5-2
MTTF [years]	2942

### Safety classification

Max. internal capacitance [nF]	150
Max. internal inductance [ $\mu$ H]	120

# N7S20A



## Inductive NAMUR slot sensor

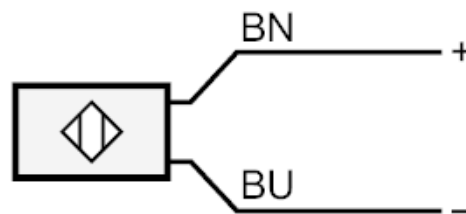
I7S2002-N /1G/1D

Mechanical data		
Weight	[g]	32.4
Housing		rectangular
Dimensions	[mm]	8 x 15 x 11
Slot width	[mm]	2
Materials		PBT

Remarks	
Pack quantity	1 pcs.

Electrical connection
Cable: 0.5 m; 2 x 0.06 mm <sup>2</sup> , PTFE

### Connection



Core colours :  
BN = brown  
BU = blue