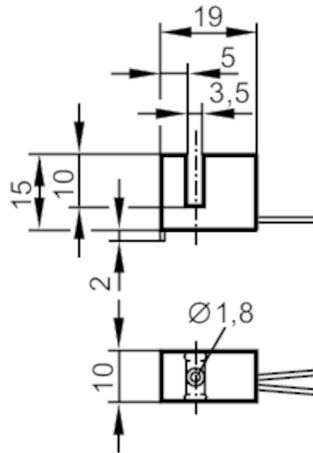


# N7S23A



## Inductive NAMUR slot sensor

I7S23,5-N/1G/1D



### Product characteristics

Electrical design	NAMUR
Output function	normally closed
Housing	rectangular
Dimensions [mm]	19 x 10 x 15

### 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]	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]	3000

### Detection zone

Insertion depth (from the side) [mm]	5...7
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### Accuracy / deviations

Hysteresis [%]	0...0.05
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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
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# N7S23A



## Inductive NAMUR slot sensor

I7S23,5-N/1G/1D

ATEX marking	II 1G Ex ia IIC T4 Ga
	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 [μH]	150

### Mechanical data

Weight [g]	33.4
Housing	rectangular
Dimensions [mm]	19 x 10 x 15
Slot width [mm]	3.5
Materials	PBT

### Accessories

Items supplied	counter-sunk screw: 1 x M1,6 x 10, stainless steel Hexagon nut: 1 x M1,6
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### Remarks

Pack quantity	1 pcs.
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### Electrical connection

Cable: 0.065 m; 2 x 0.14 mm<sup>2</sup>, PTFE

### Connection

