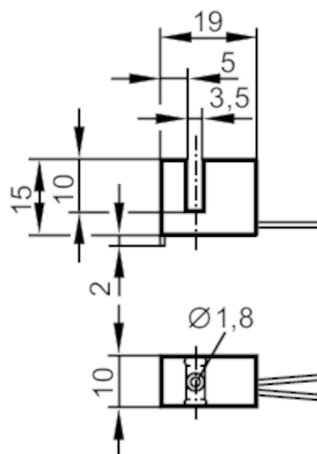


N7S23A



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: $U = 15 \text{ V}$ / $I = 50 \text{ mA}$ / $P = 120 \text{ mW}$
Nominal voltage DC [V]	8.2; (1k Ω)
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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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	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			
Cable: 0.065 m; 2 x 0.14 mm², PTFE			
Connection			

