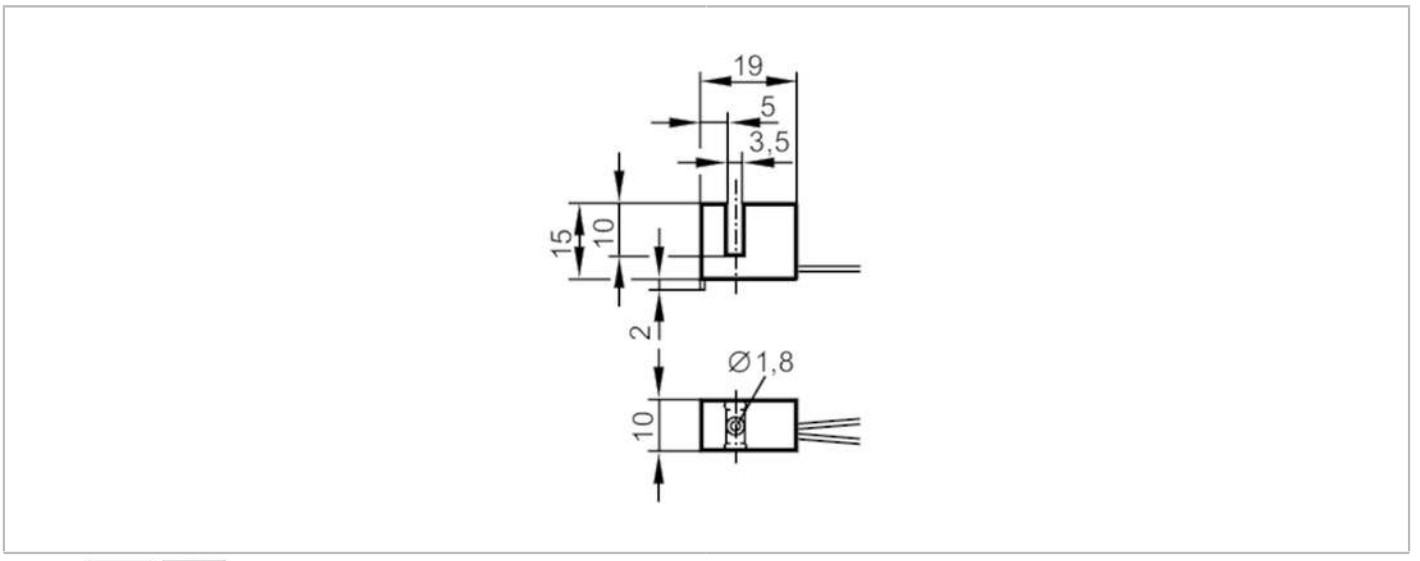
N7S23A

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
Accuracy / deviations		
Hysteresis	[%]	0...0.05
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

