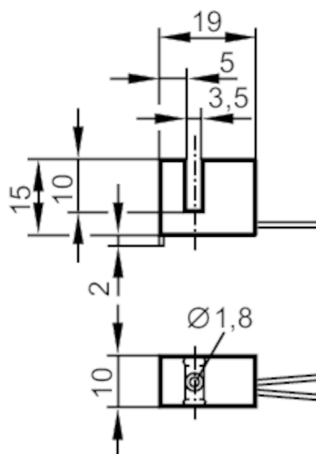


N7S23A



Inductive NAMUR slot sensor

I7S23,5-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 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
--------------------------------------	-------

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
ATEX marking	Ex II 1G Ex ia IIC T4 Ga
	Ex II 1D Ex ia IIIC T125°C Da
EMC	EN 60947-5-2
MTTF [years]	2942

N7S23A



Inductive NAMUR slot sensor

I7S23,5-N/1G/1D

Safety classification		
Max. internal capacitance	[nF]	150
Max. internal inductance	[μH]	150
Mechanical data		
Weight	[g]	35
Housing		rectangular
Dimensions	[mm]	19 x 10 x 15
Slot width	[mm]	3.5
Materials		PBT
Accessories		
Accessories (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		

