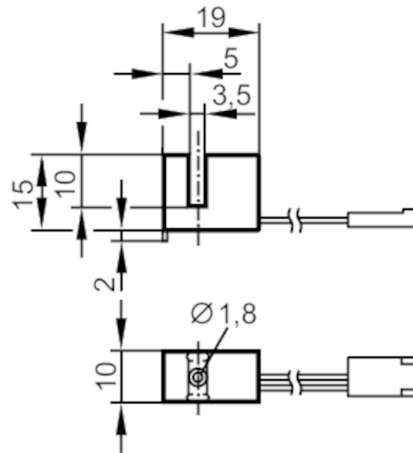


N7S21A



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; (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

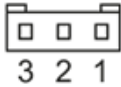
Ambient temperature [°C]	-40...100
Protection	IP 67

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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
Safety classification	
Max. internal capacitance [nF]	150
Max. internal inductance [μ H]	150
Mechanical data	
Weight [g]	33.7
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 - plug	
Cable: 0.065 m; 2 x 0.14 mm ² , PTFE	
Connector: 1 x DUBOX	
	

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Connection

