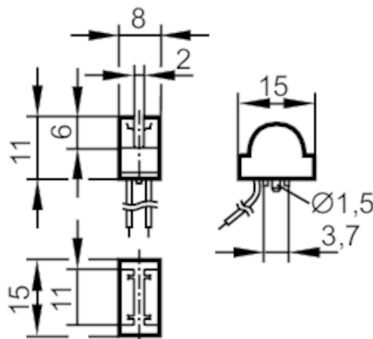


N7S20A



Inductive NAMUR slot sensor

I7S2002-N /1G/1D



Product characteristics

Electrical design	NAMUR
Output function	normally closed
Housing	rectangular
Dimensions [mm]	8 x 15 x 11

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]	5000

Detection zone

Insertion depth (from the side) [mm]	5...7
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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
ATEX marking	Ex II 1G Ex ia IIC T4 Ga
	Ex II 1D Ex ia IIC T125°C Da
EMC	EN 60947-5-2
MTTF [years]	2942

N7S20A



Inductive NAMUR slot sensor

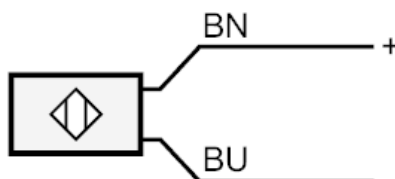
I7S2002-N /1G/1D

Safety classification		
Max. internal capacitance	[nF]	150
Max. internal inductance	[μH]	120
Mechanical data		
Weight	[g]	30
Housing		rectangular
Dimensions	[mm]	8 x 15 x 11
Slot width	[mm]	2
Materials		PBT
Remarks		
Pack quantity		1 pcs.

Electrical connection

Cable: 0.5 m; 2 x 0.06 mm², PTFE

Connection



BN = Core colours :
BU = brown
blue