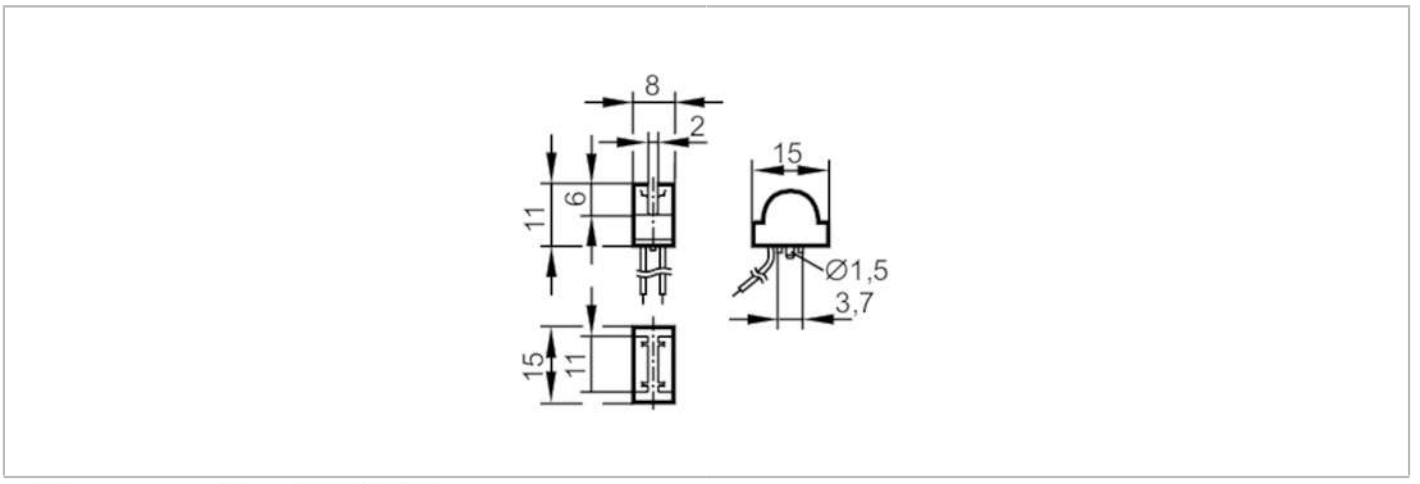
N7S20A

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; (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]	5000
Detection zone		
Insertion depth (from the side)	[mm]	5...7
Operating conditions		
Ambient temperature	[°C]	-40...100
Protection		IP 67
Tests / approvals		
Approval		BVS 08 ATEX E026; IECEx BVS 09.0016
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

N7S20A

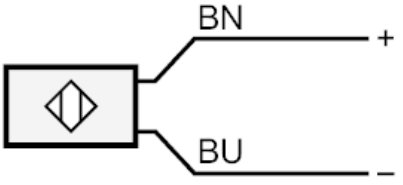
Inductive NAMUR slot sensor

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



	Core colours :
BN =	brown
BU =	blue