NN5005

Inductive sensor

IN-2002-N/50m

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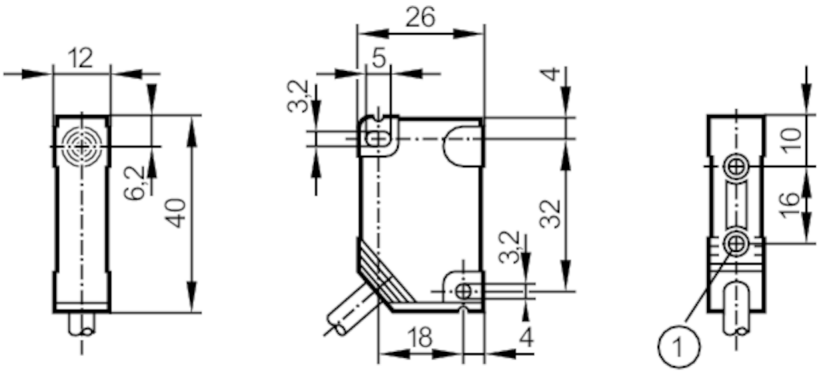

1 threaded bush M3 Depth 5.8 mm
Tightening torque maximum 1.2 Nm screw fixing class 8.8
when brass insert in contact with counterpart

CE

Product characteristics		
Electrical design		NAMUR
Output function		normally closed
Sensing range	[mm]	2
Housing		rectangular
Dimensions	[mm]	40 x 12 x 26
Electrical data		
Connection to switching amplifiers		yes
Switching amplifiers		connection to switching amplifiers NV0100, NV0200 or other approved switching amplifiers with the max. values: U = 16 V / I = 50 mA / P = 180 mW (T5) / P = 123 mW (T6)
Nominal voltage DC	[V]	8.2; (1kΩ)
Supply voltage DC	[V]	5...25
Current consumption	[mA]	< 1; (disabled; conductive: > 2,1)
Outputs		
Electrical design		NAMUR
Output function		normally closed
Max. cable resistance	[Ω]	50
Switching frequency DC	[Hz]	800
Detection zone		
Sensing range	[mm]	2
Operating conditions		
Ambient temperature	[°C]	-20...70
Protection		IP 67
Tests / approvals		
Approval		PTB-Zulassungs-Nr. Ex-00.E.2013; Gerätekennzeichnung: EEx ia IIC T5/T6

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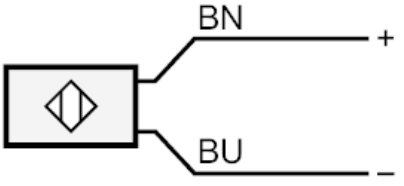
Shock/vibration resistance		30 g (11 ms) / 10-55 Hz (1 mm)
MTTF	[years]	4899
Safety classification		
Max. internal capacitance	[nF]	110
Max. internal inductance	[µH]	170
Mechanical data		
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 12 x 26
Materials		PBT
Remarks		
Pack quantity		1 pcs.
Electrical connection		

Cable: 50 m, PVC; 2 x 0.5 mm²

Connection



	Core colours :
BN =	brown
BU =	blue