

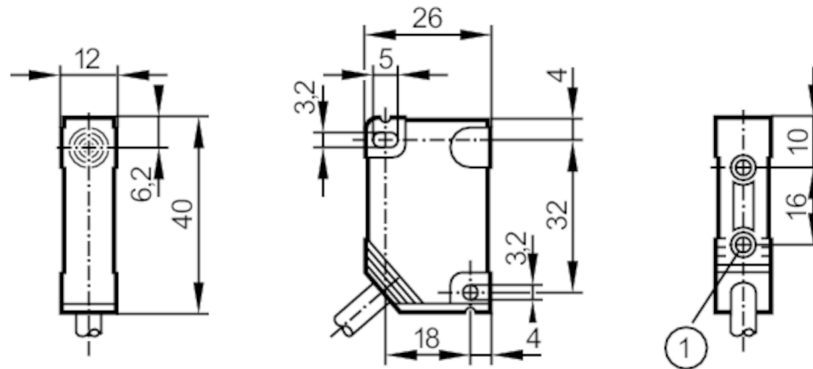
# NN5005



## Inductive sensor

IN-2002-N/50m

Article no longer available - archive entry



- 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



### 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: $U = 16 \text{ V}$ / $I = 50 \text{ mA}$ / $P = 180 \text{ mW}$ (T5) / $P = 123 \text{ mW}$ (T6)
Nominal voltage DC [V]	8.2; (1k $\Omega$ )
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 [ $\Omega$ ]	50
Switching frequency DC [Hz]	800

### Detection zone

Sensing range [mm]	2
--------------------	---

### Operating conditions

Ambient temperature [ $^{\circ}\text{C}$ ]	-20...70
Protection	IP 67

# NN5005



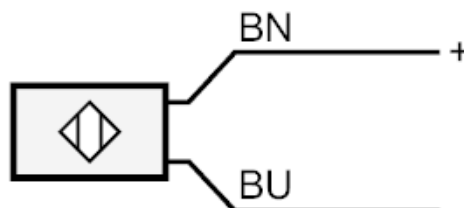
## Inductive sensor

IN-2002-N/50m

Tests / approvals	
Approval	PTB-Zulassungs-Nr. Ex-00.E.2013; Gerätekenzeichnung: EEx ia IIC T5/T6
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 mm<sup>2</sup>

### Connection



Core colours :  
BN = brown  
BU = blue