

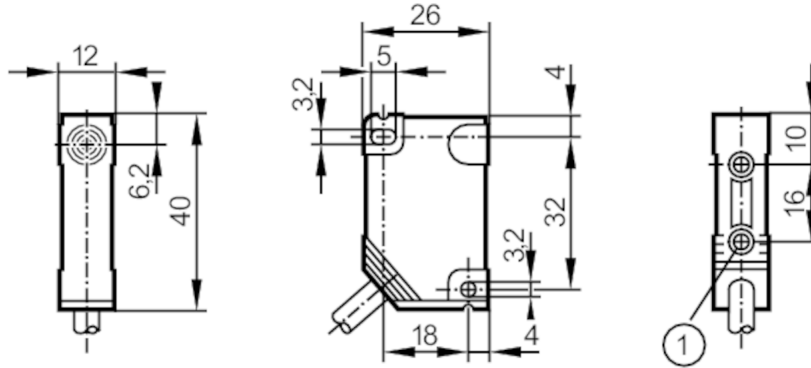
NN5005



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 Ω)
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
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Operating conditions

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

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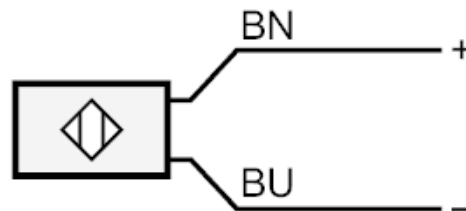
Inductive sensor

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 ²	

Connection



Core colours :
BN = brown
BU = blue