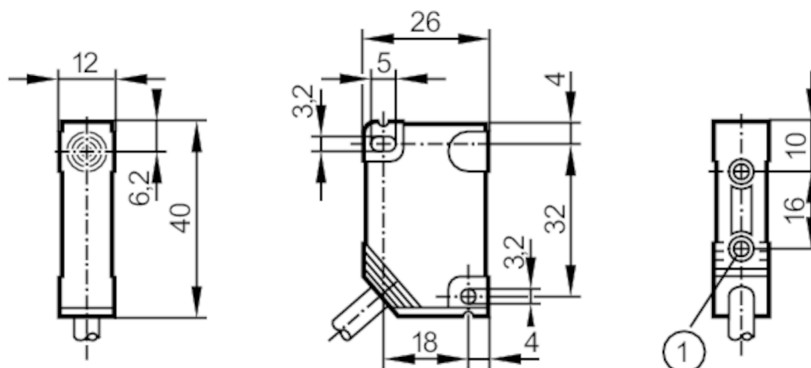




Inductive sensor

IN-2002-N/30m

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

Tests / approvals

Approval	PTB-Zulassungs-Nr. Ex-00.E.2013; Gerätekennzeichnung: EEx ia IIC T5/T6
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NN5007



Inductive sensor

IN-2002-N/30m

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

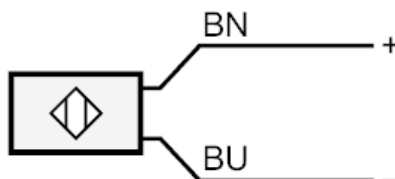
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 30 m, PVC; 2 x 0.5 mm²

Connection



BN = Core colours :
BU = brown
blue