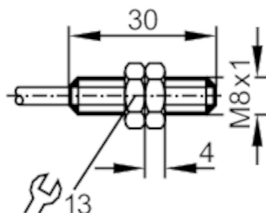


Inductive sensor

IEA2001-N/10m

Article no longer available - archive entry



Product characteristics

Electrical design	NAMUR
Output function	normally closed
Sensing range [mm]	1
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 30

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]	2000

Detection zone

Sensing range [mm]	1
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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
Shock/vibration resistance	30 g (11 ms) / 10-55 Hz (1 mm)
MTTF [years]	4816

Safety classification

Max. internal capacitance [nF]	80
Max. internal inductance [μH]	110

NE5005



Inductive sensor

IEA2001-N/10m

Mechanical data

Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M8 x 1 / L = 30
Thread designation	M8 x 1
Materials	brass nickel-plated; PBT

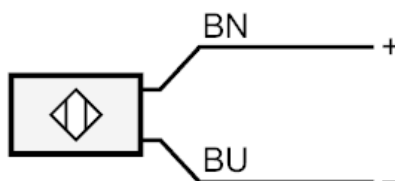
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 10 m, PVC; 2 x 0.14 mm²

Connection



BN = Core colours :
brown
BU = blue