

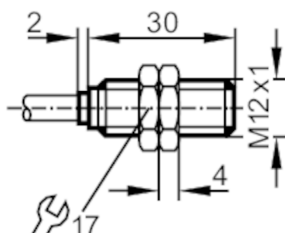
NF5027



Inductive sensor

IFA2002-N/50m

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Product characteristics

Electrical design		NAMUR
Output function		normally closed
Sensing range	[mm]	2
Housing		threaded type
Dimensions	[mm]	M12 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; (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]	1200

Detection zone

Sensing range	[mm]	2
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Operating conditions

Ambient temperature	[$^{\circ}$ 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]	4736

Safety classification

Max. internal capacitance	[nF]	230
Max. internal inductance	[μ H]	380

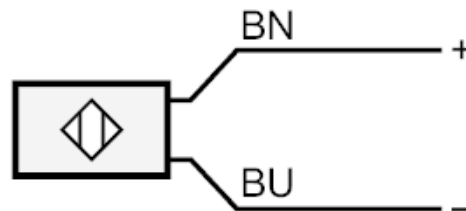
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Inductive sensor

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Mechanical data	
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M12 x 1 / L = 30
Thread designation	M12 x 1
Materials	brass nickel-plated; PBT
Accessories	
Items supplied	lock nuts: 2
Remarks	
Pack quantity	1 pcs.
Electrical connection	
Cable: 50 m, PVC; 2 x 0.34 mm ²	
Connection	



Core colours :

BN = brown
BU = blue

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