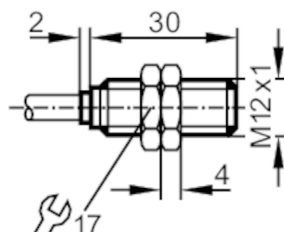




Inductive sensor

IFA2002-N/30m

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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 at circuit amplifier	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]	1200

Monitoring range

Sensing range [mm]	2
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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]	4736

Safety classification

Max. internal capacitance [nF]	230
Max. internal inductance [μH]	380

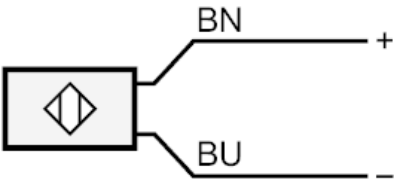
NF5026



Inductive sensor

IFA2002-N/30m

Mechanical data	
Housing	Threaded type
Mounting	flush mountable
Dimensions [mm]	M12 x 1 / L = 30
Thread designation	M12 x 1
Material	brass nickel-plated; PBT
Accessories	
Items supplied	lock nuts: 2
Remarks	
Pack quantity	1 pcs.
Electrical connection	
Cable: 30 m, PVC; 2 x 0.34 mm²	
Connection	



BN = Core colors :
brown
BU = blue