NF5016

Inductive sensor

IFA2004-N/10m

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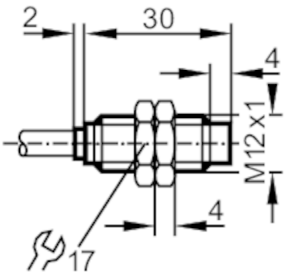

CE

Product characteristics		
Electrical design		NAMUR
Output function		normally closed
Sensing range	[mm]	4
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; (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]	1500
Detection zone		
Sensing range	[mm]	4
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]	170

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Mechanical data		
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1 / L = 30
Thread designation		M12 x 1
Materials		brass nickel-plated; PBT

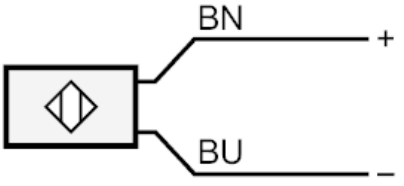
Accessories	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection

Cable: 10 m, PVC; 2 x 0.34 mm²

Connection



	Core colours :
BN =	brown
BU =	blue