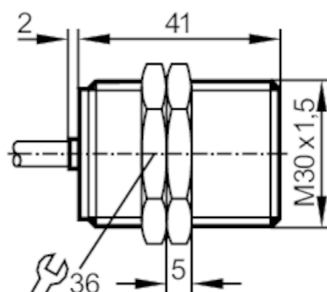




Inductive sensor

II-2010-NI/40M

Article no longer available - archive entry



Product characteristics

Electrical design	NAMUR
Output function	normally closed
Sensing range [mm]	10
Housing	Threaded type
Dimensions [mm]	M30 x 1.5 / L = 41

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]	450

Monitoring range

Sensing range [mm]	10
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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]	4697

Safety classification

Max. internal capacitance [nF]	230
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NI5017



Inductive sensor

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Max. internal inductance	[μH]	175
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Mechanical data

Housing	Threaded type
Mounting	flush mountable
Dimensions	[mm] M30 x 1.5 / L = 41
Thread designation	M30 x 1.5
Material	PBT

Accessories

Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 40 m, PVC; 2 x 0.5 mm²

Connection



BN = Core colors :
BU = brown
blue