



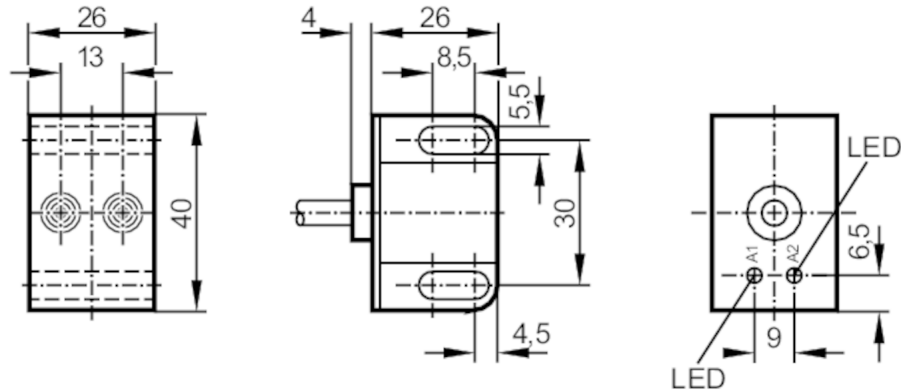
Inductive NAMUR dual sensor for valve actuators

IND2004DN/6M/1G/2G

Article no longer available - archive entry

Alternative articles: NN5011

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	NAMUR
Output function	2 x normally closed
Sensing range [mm]	4
Housing	rectangular
Dimensions [mm]	40 x 26 x 26

Electrical data

Connection to switching amplifiers	yes
Switching amplifiers	connection to certified intrinsically safe circuits with the max. values: U = 15 V / I = 50 mA / P = 120 mW
Nominal voltage DC [V]	8.2; (1kΩ)
Supply voltage DC [V]	7.5...15
Current consumption [mA]	< 1; (disabled; conductive: > 2,1)

Outputs

Electrical design	NAMUR
Output function	2 x normally closed
Switching frequency DC [Hz]	1800

Detection zone

Sensing range [mm]	4
Real sensing range Sr [mm]	4 ± 10 %

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis [X01]	1...15
Switch point drift [X01]	-10...10

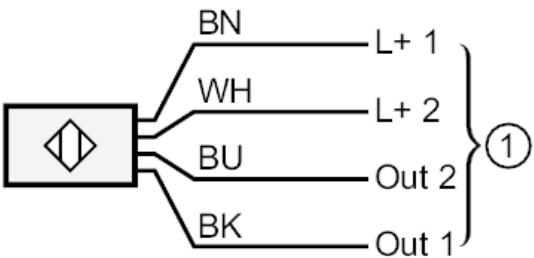
NN5010



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Operating conditions		
Ambient temperature	[°C]	-20...70
Protection		IP 67
Tests / approvals		
Approval		DMT 02 ATEX E 028
ATEX marking		 II 1G EEx ia IIB T6
		 II 2G EEx ia IIC T6
EMC	EN 60947-5-2	
Shock/vibration resistance		30 g (11 ms) / 10-55 Hz (1 mm)
Safety classification		
Max. internal capacitance	[nF]	140; (per intrinsically safe circuit)
Max. internal inductance	[µH]	135; (per intrinsically safe circuit)
Mechanical data		
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 26 x 26
Materials		PBT
Displays / operating elements		
Display	switching status	2 x LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 6 m, silicone; 4 x 0.34 mm ²		
Connection		



- 1 = connection to NAMUR amplifiers
Core colours :
BK = black
BN = brown
BU = blue
WH = white