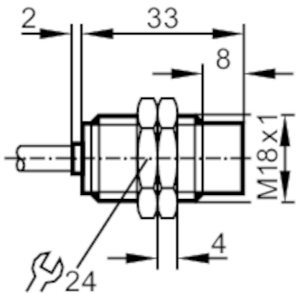


NG5010



Inductive NAMUR sensor

IGA2008-N/10M/1D/1G/2G



Product characteristics

Electrical design	NAMUR	
Output function	normally closed	
Sensing range	[mm]	8
Housing	threaded type	
Dimensions	[mm]	M18 x 1 / L = 33

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; (1k Ω)
Supply voltage DC	[V]	7.5...30; (when used outside the hazardous area)
Current consumption	[mA]	< 1; (disabled; conductive: > 2,1)
Protection class	II	

Outputs

Electrical design	NAMUR	
Output function	normally closed	
Permanent current rating of switching output DC	[mA]	30; (when used outside the hazardous area)
Switching frequency DC	[Hz]	300

Detection zone

Sensing range	[mm]	8
Real sensing range Sr	[mm]	8 $\pm$ 10 %

Accuracy / deviations

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

Operating conditions

Ambient temperature	[°C]	-20...80
Protection	IP 67	

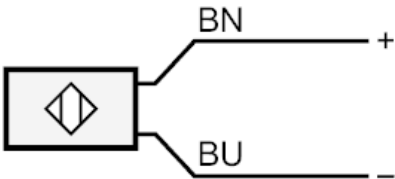
NG5010



Inductive NAMUR sensor

IGA2008-N/10M/1D/1G/2G

Tests / approvals		
Approval	PTB 01 ATEX 2191; BVS 04 ATEX E 153 X; IECEx BVS 06.0003X; TIIS TC16108	
ATEX marking	II 1G Ex ia IIB T6 Ga Ta -20...70°C	
	II 1G Ex ia IIB T5 Ga Ta -20...80°C	
	II 2G Ex ia IIC T6 Gb Ta -20...70°C	
	II 2G Ex ia IIC T5 Gb Ta -20...80°C	
	II 1D Ex ia IIIC T200 90°C Da Ta: -20...70°C	
	II 1D Ex ia IIIC T200 100° C Da Ta: -20...80°C	
EMC	EN 60947-5-6	
Shock/vibration resistance	30 g (11 ms) / 10-55 Hz (1 mm)	
MTTF [years]	4512	
Safety classification		
Max. internal capacitance [nF]	157	
Max. internal inductance [µH]	58	
Mechanical data		
Weight [g]	463.5	
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M18 x 1 / L = 33	
Thread designation	M18 x 1	
Materials	brass white bronze coated; sensing face: PBT	
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 10 m, PVC; 2 x 0.5 mm²		
Connection		



BN = Core colours : brown
BU = blue