







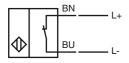
Model Number

NJ2-11-N-G-910

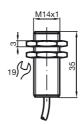
Features

- · Comfort series
- 2 mm flush

Connection



Dimensions



Technical Data

General	specifications
General	Specifications

	NAMUR, NC
s _n	2 mm
	flush
	NAMUR
sa	0 1.62 mm
	0.4
	0.3
	0.85
U _o	8 V
f	0 3000 Hz
Н	0.5 3.5 typ. 2 %
	≥ 3 mA
	≤1 mA
	s _a

Functional safety related parameters

. and the man cancery relation parameters	
MTTF _d	11770 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %
Ambient conditions	

Ambient tem	perature	-25	100 °C ([-13 212 °F

Mechanical specifications

Connection type	cable PVC , 2 m
Core cross-section	0.34 mm ²
Housing material	nickel-plated steel
Sensing face	PVDF
Protection degree	IP68

General information

Use in the hazardous area	see instruction manuals
Cotononi	20

Compliance with standards and directives

Standard conformity

	,	
NAMUR		EN 60947-5-6:2000
		IEC 60947-5-6:1999
Standards		EN 60947-5-2:2007
		IEC 60947-5-2:2007

Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.

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ATEX 2G

Instruction

Device category 2G

Directive conformity Standard conformity

CE marking

Ex-identification

EC-Type Examination Certificate Appropriate type Effective internal capacitance Ci

Effective internal inductance L

General

Highest permissible ambient temperature

Installation, Comissioning

Maintenance

Specific conditions

Protection from mechanical danger

Electrostatic charging

Manual electrical apparatus for hazardous areas

for use in hazardous areas with gas, vapour and mist 94/9/EG

EN 60079-0:2009, EN 60079-11:2007 Ignition protection "Intrinsic safety"
Use is restricted to the following stated conditions **C**€0102

⟨ II 2G Ex ia IIC T6 Gb

PTB 00 ATEX 2048 X

NJ 2-11-N-G...

≤ 30 nF; a cable length of 10 m is considered.

 $\leq 50~\mu H$; a cable length of 10 m is considered.

The apparatus has to be operated according to the appropriate data in the data sheet and in this instruction manual. The EC-Type Examination Certificate has to be observed. The special conditions must be adhered to!

Directive 94/9/EG and hence also EC-Type Examination Certificates apply in general only to the use of electrical apparatus under atmospheric conditions

The use in ambient temperatures of > 60 °C was tested with regard to hot surfaces by the mentioned certification authority.

If the equipment is not used under atmospheric conditions, a reduction of the permissible minimum ignition energies may have to be taken into consideration.

The temperature ranges, according to temperature class, are given in the EC-Type Examination Certificate

Laws and/or regulations and standards governing the use or intended usage goal must be observed. The intrinsic safety is only assured in connection with an appropriate related apparatus and according to the proof of intrinsic safety.

No changes can be made to apparatus, which are operated in hazardous areas. Repairs to these apparatus are not possible.

When used in the temperature range below -20 °C the sensor should be protected from knocks by the provision of an additional housing.

Electrostatic charges must be avoided on the mechanical housing components. Dangerous electrostatic charges on the mechanical housing components can be avoided by incorporating these in the equipotential bonding.

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