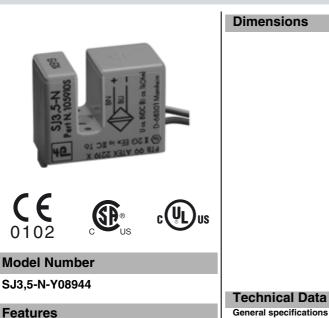
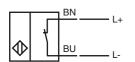
## Inductive slot sensor





- Special version ٠
- Calibration to B+R segment disc
- 1. actual frequency





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13520 a 20 a 0 %

NAMUR, NC

5 ... 7 typ. 6 mm

3.5 mm

NAMUR

5 ... 25 V 0 ... 500 Hz

 $\geq$  3 mA

≤1 mA

8 V

-25 ... 100 °C (-13 ... 212 °F)

0.41 ... 0.8 yes , Reverse polarity protection diode not required

with connector sleeves , 7 mm  $0.14 \text{ mm}^2$ PBT/PPS IP67

2G

cCSAus Listed, General Purpose

flexible leads LIY, 220 mm

see instruction manuals

Compliance with standards and directives EN 60947-5-6:2000

IEC 60947-5-6:1999 EN 60947-5-2:2007 IEC 60947-5-2:2007

cULus Listed, General Purpose

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UB f

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3.5

N

0.9 6.95 19

## **Technical Data**

Slot width

Installation

Output polarity

Nominal voltage

Operating voltage Switching frequency

Current consumption Measuring plate not detected

Suitable for 2:1 technology

MTTF<sub>d</sub> Mission Time (T<sub>M</sub>) Diagnostic Coverage (DC)

Mechanical specifications Connection type

Ambient conditions Ambient temperature

Core cross-section Housing material Protection degree

General information Use in the hazardous area

Standard conformity

Approvals and certificates

Category

NAMUR

Standards

UL approval CSA approval

Measuring plate detected Functional safety related parameters

Nominal ratings

Hysteresis

Switching element function

Depth of immersion (lateral)

Instruction

Device category 2G Directive conformity Standard conformity

CE marking

Ex-identification

EC-Type Examination Certificate Appropriate type Effective internal capacitance C<sub>i</sub> Effective internal inductance L General

Highest permissible ambient temperature

Installation, Comissioning

Maintenance

Specific conditions

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 €0102

⟨€x⟩ II 2G Ex ia IIC T6 Gb

PTB 99 ATEX 2219 X SJ3,5-...-N...  $\leq$  50 nF ; a cable length of 10 m is considered.  $\leq$  250  $\mu H$  ; 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!

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.

