



CE
0102

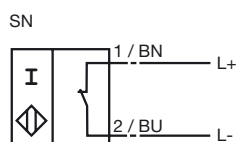
Model Number

SJ2-SN-Y38288

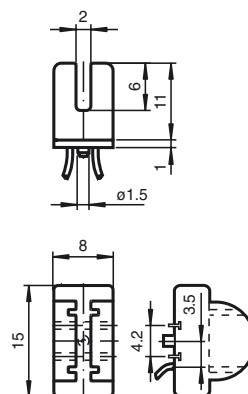
Features

- 2 mm slot width

Connection



Dimensions



Technical Data

General specifications

| | |
|------------------------------|-------------------|
| Switching element function | NAMUR NC |
| Slot width | 2 mm |
| Depth of immersion (lateral) | 5 ... 7 typ. 6 mm |
| Installation | |
| Output polarity | Safety Function |

Nominal ratings

| | | |
|------------------------------|-------|---------------|
| Nominal voltage | U_o | 8 V |
| Operating voltage | U_B | 5 ... 25 V |
| Switching frequency | f | 0 ... 5000 Hz |
| Current consumption | | |
| Measuring plate not detected | | ≥ 3 mA |
| Measuring plate detected | | ≤ 1 mA |

Standard conformity

| | |
|------------------------|--|
| EMC in accordance with | IEC / EN 60947-5-2:2004 |
| Standards | DIN EN 60947-5-6 (NAMUR) VDE 660 Part 209 |

Ambient conditions

| | |
|---------------------|--------------------------------|
| Ambient temperature | -40 ... 100 °C (233 ... 373 K) |
|---------------------|--------------------------------|

Mechanical specifications

| | |
|--------------------|-----------------------------|
| Connection type | 125 mm, flexible lead LIFYW |
| Core cross-section | 0.06 mm ² |
| Housing material | PBT |
| Protection degree | IP67 |
| Note | adjustable stop |

General information

| | |
|---------------------------|-------------------------|
| Use in the hazardous area | see instruction manuals |
| Category | 2G |

ATEX 2G

Instruction

Device category 2G

Directive conformity

Standard conformity

CE symbol

Ex-identification

EC-Type Examination Certificate

Appropriate type

Effective internal capacitance C_i Effective internal inductance L_i

General

Highest permissible ambient temperature

Installation, Commissioning

Maintenance

[Fett]Special conditions

Protection from mechanical danger

Manual electrical apparatus for hazardous areas

for use in hazardous areas with gas, vapour and mist

94/9/EG

EN 50014:1997, EN 50020:1994

Ignition protection "Intrinsic safety"

Use is restricted to the following stated conditions

C  0102 II 2G EEx ia IIC T6

PTB 00 ATEX 2049 X

SJ2-SN...

 $\leq 30 \text{ nF}$; a cable length of 10 m is considered. $\leq 100 \mu\text{H}$; 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.

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