

Model Number

SC3,5-N0

Features

- 3.5 mm slot width

Technical Data

General specifications

| | |
|------------------------------|-------------------|
| Switching element function | NAMUR, NC |
| Slot width | 3.5 mm |
| Depth of immersion (lateral) | 5 ... 7 typ. 6 mm |
| Installation | |
| Output polarity | NAMUR |

Nominal ratings

| | | |
|---------------------|-------|---------------|
| Nominal voltage | U_o | 8 V |
| Operating voltage | U_B | 5 ... 25 V |
| Switching frequency | f | 0 ... 3000 Hz |
| Hysteresis | H | 0.41 ... 0.6 |

Current consumption

| | |
|------------------------------|-------------|
| Measuring plate not detected | ≥ 3 mA |
| Measuring plate detected | ≤ 1 mA |
| Switching state indicator | LED, yellow |

Standard conformity

| | |
|------------------------|--------------------------------|
| EMC in accordance with | IEC / EN 60947-5-2:2004; NE 21 |
| Standards | DIN EN 60947-5-6 (NAMUR) |

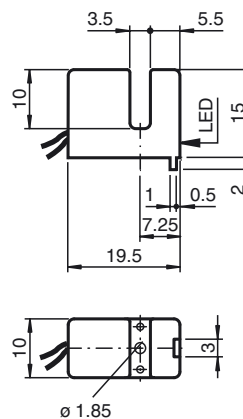
Ambient conditions

| | |
|---------------------|---------------------------------|
| Ambient temperature | -25 ... 100 °C (-13 ... 212 °F) |
|---------------------|---------------------------------|

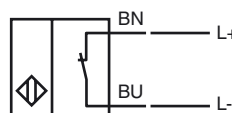
Mechanical specifications

| | |
|----------------------|----------------------|
| Core cross-section | 0.14 mm ² |
| Housing material | PBT |
| Degree of protection | IP67 |

Dimensions



Electrical Connection



Release date: 2015-02-26 08:58 Date of issue: 2015-02-26 047942_eng.xml



ATEX

Data for Ex areas

| | | |
|--------------------------------|-------|------------------------|
| Effective internal inductivity | C_i | $\leq 100 \text{ nF}$ |
| Effective internal inductance | L_i | $\leq 150 \mu\text{H}$ |

Release date: 2015-02-26 08:58 Date of issue: 2015-02-26 047942_eng.xml