



Model Number

921LC5

Features

- Basic series
- 5 mm non-flush

Technical Data

General specifications

| | |
|----------------------------|----------------------|
| Switching function | Normally closed (NC) |
| Output type | NAMUR |
| Rated operating distance | s_n 5 mm |
| Installation | non-flush |
| Assured operating distance | s_a 0 ... 4.05 mm |
| Reduction factor r_{AI} | 0.25 |
| Reduction factor r_{Cu} | 0.2 |
| Reduction factor r_{304} | 0.6 |
| Output type | 2-wire |

Nominal ratings

| | | |
|---------------------|-------|---------------|
| Nominal voltage | U_o | 8.2 V |
| Operating voltage | U_B | 5 ... 15 V |
| Switching frequency | f | 0 ... 2000 Hz |
| Current consumption | | |

| | |
|------------------------------|---------------|
| Measuring plate not detected | ≥ 2.7 mA |
| Measuring plate detected | ≤ 1.8 mA |

Functional safety related parameters

| | |
|--------------------------------|--------|
| MTTF _d | 8162 a |
| Mission Time (T _M) | 20 a |
| Diagnostic Coverage (DC) | 0 % |

Ambient conditions

| | |
|---------------------|--------------------------------|
| Ambient temperature | -25 ... 70 °C (-13 ... 158 °F) |
|---------------------|--------------------------------|

Mechanical specifications

| | |
|----------------------|-------------------|
| Connection type | Solder connection |
| Housing material | PA |
| Sensing face | PA |
| Degree of protection | IP67 |

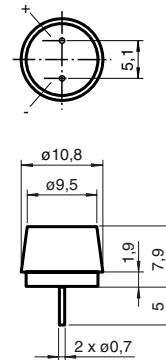
Compliance with standards and directives

| | |
|---------------------|---|
| Standard conformity | |
| NAMUR | EN 60947-5-6:2000 |
| Standards | EN 60947-5-2:2007 IEC 60947-5-2:2007 |

Approvals and certificates

| | |
|--------------|--|
| CCC approval | CCC approval / marking not required for products rated ≤ 36 V |
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Dimensions



Electrical Connection

