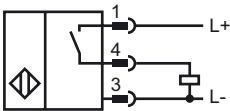




**Model Number**

NJ0,8-4-25-E2-V3

**Connection**



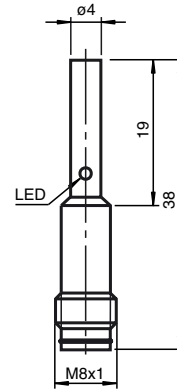
**Pinout**



Wire colors in accordance with EN 60947-5-2

|   |    |
|---|----|
| 1 | BN |
| 3 | BU |
| 4 | BK |

**Dimensions**



**Technical Data**

**General specifications**

|                            |       |                |
|----------------------------|-------|----------------|
| Switching element function | PNP   | Make function  |
| Rated operating distance   | $s_n$ | 0.8 mm         |
| Installation               |       | embeddable     |
| Assured operating distance | $s_a$ | 0 ... 0.648 mm |
| Reduction factor $r_{AI}$  |       | 0.55           |
| Reduction factor $r_{Cu}$  |       | 0.51           |
| Reduction factor $r_{V2A}$ |       | 0.85           |

**Nominal ratings**

|                                   |       |                            |
|-----------------------------------|-------|----------------------------|
| Operating voltage                 | $U_B$ | 10 ... 30 V                |
| Switching frequency               | $f$   | 0 ... 5000 Hz              |
| Reverse polarity protection       |       | yes                        |
| Short-circuit protection          |       | yes                        |
| Voltage drop                      | $U_d$ | $\leq 2$ V                 |
| Operating current                 | $I_L$ | 0 ... 200 mA               |
| Off-state current                 | $I_r$ | 0 ... 0.1 mA typ. at 25 °C |
| No-load supply current            | $I_0$ | $\leq 10$ mA               |
| Indication of the switching state |       | LED, yellow                |

**Standard conformity**

|           |                         |
|-----------|-------------------------|
| Standards | IEC / EN 60947-5-2:2004 |
|-----------|-------------------------|

**Ambient conditions**

|                     |                               |
|---------------------|-------------------------------|
| Ambient temperature | -25 ... 70 °C (248 ... 343 K) |
|---------------------|-------------------------------|

**Mechanical specifications**

|                   |                 |
|-------------------|-----------------|
| Connection type   | V3-connector    |
| Housing material  | Stainless steel |
| Sensing face      | PBT             |
| Protection degree | IP67            |

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