



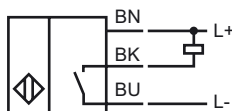
Model Number

NJ2-8GM50-E

Features

- Comfort series
- 2 mm not embeddable

Connection

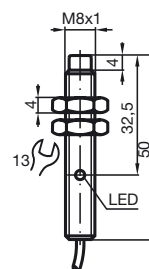


Accessories

BF 8

Mounting flange

Dimensions



Technical Data

General specifications

| | | |
|----------------------------|-------|-------------------|
| Switching element function | | NPN Make function |
| Rated operating distance | s_n | 2 mm |
| Installation | | not embeddable |
| Output polarity | | DC |
| Assured operating distance | s_a | 0 ... 1.62 mm |
| Reduction factor r_{Al} | | 0.42 |
| Reduction factor r_{Cu} | | 0.4 |
| Reduction factor r_{V2A} | | 0.77 |

Nominal ratings

| | | |
|-----------------------------------|-------|------------------------------------|
| Operating voltage | U_B | 10 ... 60 V |
| Switching frequency | f | 0 ... 3000 Hz |
| Hysteresis | H | 1 ... 15 typ. 5 % |
| Reverse polarity protection | | protected against reverse polarity |
| Short-circuit protection | | pulsing |
| Voltage drop | U_d | ≤ 2.6 V |
| Operating current | I_L | 0 ... 100 mA |
| Off-state current | I_r | 0 ... 0.5 mA typ. 0.01 mA |
| No-load supply current | I_0 | ≤ 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) |
| Storage temperature | -40 ... 85 °C (233 ... 358 K) |

Mechanical specifications

| | |
|--------------------|----------------------|
| Connection type | 2 m, PUR cable |
| Core cross-section | 0.14 mm ² |
| Housing material | Stainless steel |
| Sensing face | PBT |
| Protection degree | IP67 |

Approvals and certificates

| | |
|--------------|---|
| CCC approval | Certified by China Compulsory Certification (CCC) |
|--------------|---|