



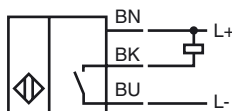
## Model Number

NJ2-8GM40-E0

## Features

- 2 mm embeddable

## Connection

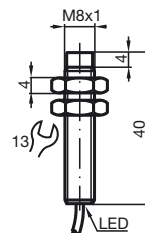


## Accessories

### BF 8

Mounting flange, 8 mm

## Dimensions



## Technical Data

### General specifications

|                            |                |               |
|----------------------------|----------------|---------------|
| Switching element function | NPN            | NO            |
| Rated operating distance   | $s_n$          | 2 mm          |
| Installation               | not embeddable |               |
| Output polarity            | DC             |               |
| Assured operating distance | $s_a$          | 0 ... 1.62 mm |
| Reduction factor $r_{Al}$  | 0.4            |               |
| Reduction factor $r_{Cu}$  | 0.3            |               |
| Reduction factor $r_{303}$ | 0.7            |               |

### Nominal ratings

|                                   |                            |                   |
|-----------------------------------|----------------------------|-------------------|
| Operating voltage                 | $U_B$                      | 10 ... 60 V       |
| Switching frequency               | $f$                        | 0 ... 1500 Hz     |
| Hysteresis                        | $H$                        | 1 ... 15 typ. 5 % |
| Reverse polarity protected        | reverse polarity protected |                   |
| Short-circuit protection          | pulsing                    |                   |
| Voltage drop                      | $U_d$                      | $\leq 2.5$ V      |
| Operating current                 | $I_L$                      | 0 ... 100 mA      |
| Lowest operating current          | $I_m$                      | 0 mA              |
| Off-state current                 | $I_r$                      | $\leq 0.1$ mA     |
| No-load supply current            | $I_0$                      | $\leq 15$ mA      |
| Indication of the switching state | LED, yellow                |                   |

### Ambient conditions

|                     |                                |
|---------------------|--------------------------------|
| Ambient temperature | -25 ... 70 °C (-13 ... 158 °F) |
| Storage temperature | -40 ... 85 °C (-40 ... 185 °F) |

### Mechanical specifications

|                    |                      |
|--------------------|----------------------|
| Connection type    | cable PUR , 2 m      |
| Core cross-section | 0.14 mm <sup>2</sup> |
| Sensing face       | PBT                  |
| Protection degree  | IP67                 |

### Compliance with standards and directives

|                     |   |
|---------------------|---|
| Standard conformity |   |
| Standards           | EN 60947-5-2:2007<br>IEC 60947-5-2:2007 |

### Approvals and certificates

|              |   |
|--------------|---|
| UL approval  | cULus Listed, General Purpose                     |
| CSA approval | cCSAus Listed, General Purpose                    |
| CCC approval | Certified by China Compulsory Certification (CCC) |