



### Model Number

NJ10-30GK50-E2-10M

### Features

- Comfort series
- 10 mm flush

### Accessories

BF 30  
Mounting flange, 30 mm

## Technical Data

### General specifications

|                              |       |              |
|------------------------------|-------|--------------|
| Switching element function   | PNP   | NO           |
| Rated operating distance     | $s_n$ | 10 mm        |
| Installation                 |       | flush        |
| Output polarity              |       | DC           |
| Assured operating distance   | $s_a$ | 0 ... 8.1 mm |
| Reduction factor $r_{Al}$    |       | 0.22         |
| Reduction factor $r_{Cu}$    |       | 0.19         |
| Reduction factor $r_{304}$   |       | 0.66         |
| Reduction factor $r_{Brass}$ |       | 0.33         |

### Nominal ratings

|                                |       |                            |
|--------------------------------|-------|----------------------------|
| Operating voltage              | $U_B$ | 10 ... 60 V                |
| Switching frequency            | $f$   | 0 ... 800 Hz               |
| Hysteresis                     | $H$   | 1 ... 15 typ. 5 %          |
| Reverse polarity protection    |       | reverse polarity protected |
| Short-circuit protection       |       | pulsing                    |
| Voltage drop                   | $U_d$ | $\leq 2.8$ V               |
| Operating current              | $I_L$ | 0 ... 200 mA               |
| Off-state current              | $I_r$ | 0 ... 0.5 mA typ. 0.01 mA  |
| No-load supply current         | $I_0$ | $\leq 9$ mA                |
| Time delay before availability | $t_v$ | $\leq 50$ ms               |
| Switching state indication     |       | -                          |

### Ambient conditions

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

### Mechanical specifications

|                    |                      |
|--------------------|----------------------|
| Connection type    | cable PVC , 10 m     |
| Core cross-section | 0.75 mm <sup>2</sup> |
| Housing material   | PBT                  |
| Sensing face       | PBT                  |
| Protection degree  | IP68                 |

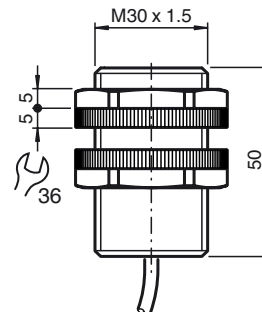
### Compliance with standards and directives

|                     |   |
|---------------------|---|
| 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) |

## Dimensions



## Electrical Connection

