



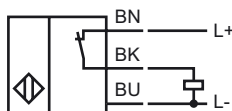
Model Number

NJ2-12GK40-E3

Features

- 2 mm embeddable

Connection

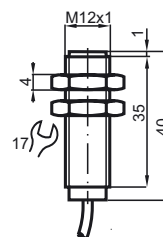


Accessories

BF 12

Mounting flange, 12 mm

Dimensions



Technical Data

General specifications

| | | | |
|----------------------------|-------|---------------|----|
| Switching element function | | PNP | NC |
| Rated operating distance | s_n | 2 mm | |
| Installation | | embeddable | |
| Output polarity | | switched high | |
| Assured operating distance | s_a | 0 ... 1.62 mm | |
| Reduction factor r_{AI} | | 0.15 | |
| Reduction factor r_{Cu} | | 0.1 | |
| Reduction factor r_{304} | | 0.65 | |

Nominal ratings

| | | |
|----------------------------|-------|----------------------------|
| Operating voltage | U_B | 10 ... 60 V |
| Switching frequency | f | 0 ... 3000 Hz |
| Hysteresis | H | 1 ... 10 typ. 3 % |
| Reverse polarity protected | | reverse polarity protected |
| Short-circuit protection | | pulsing |
| Voltage drop | U_d | ≤ 3 V |
| Operating current | I_L | 0 ... 200 mA |
| No-load supply current | I_0 | ≤ 15 mA |

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 | 0.34 mm ² |
| Housing material | PBT |
| Sensing face | PBT |
| Protection degree | IP68 |

Compliance with standards and directives

| | |
|---------------------|---|
| Standard conformity | |
| Standards | EN 60947-5-2:2007 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) |