



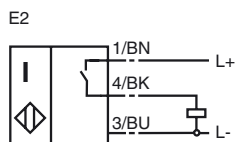
Model Number

NEB4-8GM45-E2

Features

- Comfort series
- 4 mm quasi-embeddable
- increased operating distance

Connection

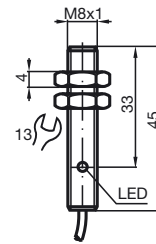


Accessories

BF 8

Mounting flange

Dimensions



Technical Data

General specifications

| | | |
|----------------------------|---------------|---------------|
| Switching element function | PNP | Make function |
| Rated operating distance | s_n | 4 mm |
| Installation | quasi embedd. | |
| Output polarity | DC | |
| Assured operating distance | s_a | 0 ... 3.24 mm |
| Reduction factor r_{AI} | 0.25 | |
| Reduction factor r_{Cu} | 0.22 | |
| Reduction factor r_{V2A} | 0.65 | |

Nominal ratings

| | | |
|-----------------------------------|------------------------------------|--|
| Operating voltage | U_B | 10 ... 30 V |
| Switching frequency | f | 0 ... 500 Hz |
| Reverse polarity protection | protected against reverse polarity | |
| Short-circuit protection | yes | |
| Voltage drop | U_d | ≤ 2 V |
| Operating current | I_L | 0 ... 200 mA |
| Off-state current | I_r | 0 ... 0.1 mA typ. 0.1 μ A at 25 °C |
| 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) |
|---------------------|-------------------------------|

Mechanical specifications

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