



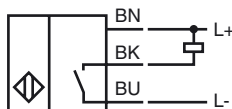
Model Number

NMB3-8GM35-E0

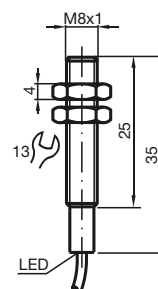
Features

- 3 mm flush
- Stainless steel sensing face
- Increased operating distance

Connection



Dimensions



Technical Data

General specifications

| | | | |
|----------------------------|-------|---------------|----|
| Switching element function | | NPN | NO |
| Rated operating distance | s_n | 3 mm | |
| Installation | | flush | |
| Output polarity | | DC | |
| Assured operating distance | s_a | 0 ... 2.43 mm | |
| Reduction factor r_{AI} | | 0.3 | |
| Reduction factor r_{Cu} | | 0.2 | |
| Reduction factor r_{304} | | 0.7 | |

Nominal ratings

| | | |
|-----------------------------------|-------|--|
| Operating voltage | U_B | 10 ... 30 V DC |
| Switching frequency | f | 0 ... 360 Hz |
| Hysteresis | H | 5 ... 15 typ. 10 % |
| Reverse polarity protected | | reverse polarity protected |
| Short-circuit protection | | pulsing |
| Voltage drop | U_d | ≤ 2 V |
| Operating current | I_L | 0 ... 100 mA |
| Off-state current | I_r | 0 ... 10 μ A typ. 0.1 μ A at 25 °C |
| No-load supply current | I_0 | ≤ 10 mA |
| Indication of the switching state | | LED, red |

Indicators/operating means

| | |
|-------------------|---------|
| Operating display | LED red |
|-------------------|---------|

Standard conformity

| | |
|-----------|---|
| Standards | EN 60947-5-2:2007 IEC 60947-5-2:2007 |
|-----------|---|

Ambient conditions

| | |
|---------------------|--------------------------------|
| Ambient temperature | -25 ... 75 °C (-13 ... 167 °F) |
|---------------------|--------------------------------|

Mechanical specifications

| | |
|--------------------|-----------------------------------|
| Connection type | cable PUR , 2 m |
| Core cross-section | 0.14 mm ² |
| Housing material | Stainless steel 1.4305 / AISI 303 |
| Sensing face | Stainless steel 1.4305 / AISI 303 |
| Protection degree | IP67 |

Approvals and certificates

| | |
|--------------|--|
| UL approval | cULus Listed, General Purpose |
| CSA approval | cCSAus Listed, General Purpose |
| CCC approval | Products with a maximum operating voltage of ≤ 36 V do not bear a CCC marking because they do not require approval. |