



Model Number

NMB3-8GM35-E0-150MM-V3

Features

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

Accessories

V3-GM-2M-PUR

Cable socket, M8, 3-pin, PUR cable

V3-WM-2M-PUR

Cable socket, M8, 3-pin, PUR cable

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_{Al} | | 0.3 | |
| Reduction factor r_{Cu} | | 0.2 | |
| Reduction factor r_{304} | | 0.7 | |

Nominal ratings

| | | |
|-----------------------------|-------|--|
| Operating voltage | U_B | 10 ... 30 V |
| Switching frequency | f | 0 ... 360 Hz |
| Hysteresis | H | 5 ... 15 typ. 10 % |
| Reverse polarity protection | | yes |
| Short-circuit protection | | yes |
| 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 |

Indicators/operating means

| | |
|---------------------|----------------|
| Operation indicator | Dual LED |
| | Green: power |
| | Yellow: output |

Standard conformity

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

Ambient conditions

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

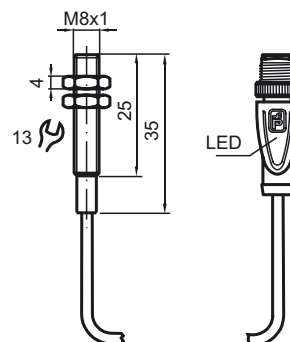
Mechanical specifications

| | |
|----------------------|------------------------------------|
| Connection type | Cable connector M8 x 1, PUR 150 mm |
| Housing material | Stainless steel 1.4305 / AISI 303 |
| Sensing face | Stainless steel 1.4305 / AISI 303 |
| Degree of protection | IP67 |

Approvals and certificates

| | |
|--------------|--|
| UL approval | cULus Listed, General Purpose |
| CSA approval | cCSAus Listed, General Purpose |
| CCC approval | CCC approval / marking not required for products rated ≤ 36 V |

Dimensions



Electrical Connection



Pinout



Wire colors in accordance with EN 60947-5-2

| | | |
|---|----|---------|
| 1 | BN | (brown) |
| 3 | BU | (blue) |
| 4 | BK | (black) |