



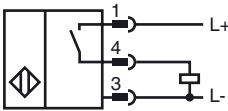
Model Number

NMB10-18GM65-E2-V1

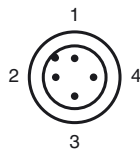
Features

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

Connection



Pinout



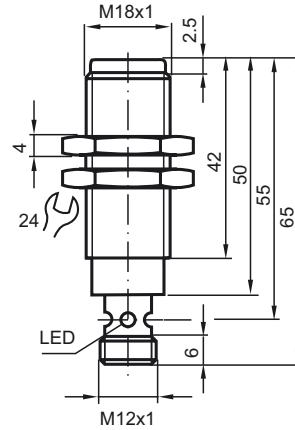
Wire colors in accordance with EN 60947-5-2

| | | |
|---|----|---------|
| 1 | BN | (brown) |
| 2 | WH | (white) |
| 3 | BU | (blue) |
| 4 | BK | (black) |

Accessories

- V1-G-2M-PUR**
Cable socket, M12, 4-pin, PUR cable
- V1-W-2M-PUR**
Cable socket, M12, 4-pin, PUR cable
- AB-18**
Mounting aid

Dimensions



Technical Data

General specifications

| | | |
|-----------------------------|---|--------------|
| Switching element function | PNP | NO |
| Rated operating distance | s_n | 10 mm |
| Installation | flush (Requirements: see drawing below) | |
| Output polarity | DC | |
| Assured operating distance | s_a | 0 ... 8.1 mm |
| Actuating element | Ferrous and nonferrous targets | |
| Reduction factor r_{Al} | 0.4 | |
| Reduction factor r_{Cu} | 0.25 | |
| Reduction factor r_{304} | 0.85 | |
| Reduction factor r_{Si37} | 1 | |

Nominal ratings

| | | |
|-----------------------------------|----------------------------|-------------------|
| Operating voltage | U_B | 10 ... 30 V DC |
| Switching frequency | f | 0 ... 240 Hz |
| Hysteresis | H | 3 ... 15 typ. 5 % |
| Reverse polarity protection | reverse polarity protected | |
| Short-circuit protection | pulsing | |
| Voltage drop | U_d | ≤ 2 V |
| Operating current | I_L | ≤ 200 mA |
| Off-state current | I_r | ≤ 10 μ A |
| No-load supply current | I_0 | ≤ 10 mA |
| Operating voltage display | LED, green | |
| Indication of the switching state | LED, yellow | |

Standard conformity

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

Ambient conditions

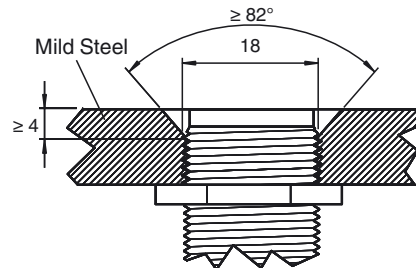
| | |
|---------------------|--------------------------------|
| Ambient temperature | -25 ... 70 °C (-13 ... 158 °F) |
|---------------------|--------------------------------|

Mechanical specifications

| | |
|-------------------|--|
| Connection type | Device connector M12 x 1, 4-pin |
| Housing material | Stainless steel 1.4305 / AISI 303 |
| Sensing face | Stainless steel 1.4305 / AISI 303 |
| Protection degree | IP67 / IP68 / IP69K - cordset dependent according to cable specification |

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. |



Sensor face is flush with mounting surface.

Release date: 2012-12-13 14:34 Date of issue: 2012-12-13 911271_eng.xml