



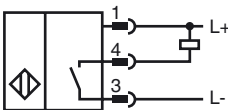
Model Number

NMB1,5-8GM50-E0-FE-V1

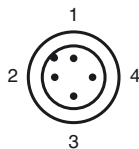
Features

- Stainless steel sensing face
- Sensing range 1.5 mm
- 3-wire DC

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

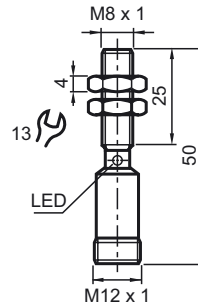
| | | |
|---|----|---------|
| 1 | BN | (brown) |
| 2 | WH | (white) |
| 3 | BU | (blue) |
| 4 | BK | (black) |

Accessories

V1-G-2M-PUR
Cable socket, M12, 4-pin, PUR cable

V1-W-2M-PUR
Cable socket, M12, 4-pin, PUR cable

Dimensions



Technical Data

General specifications

| | | | |
|-----------------------------|-------|-----------------|----|
| Switching element function | | NPN | NO |
| Rated operating distance | s_n | 1.5 mm | |
| Installation | | flush | |
| Output polarity | | DC | |
| Assured operating distance | s_a | 0 ... 1.215 mm | |
| Actuating element | | Ferrous targets | |
| Reduction factor r_{Al} | | 0 | |
| Reduction factor r_{Cu} | | 0 | |
| Reduction factor r_{304} | | 0.4 - 0.7 | |
| Reduction factor r_{S137} | | 1 | |

Nominal ratings

| | | | |
|-----------------------------|-------|--------------------|--|
| Operating voltage | U_B | 10 ... 30 V DC | |
| Switching frequency | f | 80 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 | ≤ 100 mA | |
| Current consumption | | ≤ 15 mA | |
| Off-state current | I_r | ≤ 10 μ A | |

Indicators/operating means

| | | |
|-------------------|--|-----------------|
| Operating display | | LED red: output |
|-------------------|--|-----------------|

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 |

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. |

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