



### Model Number

**NMB6-F104M-E2-NFE-200MM-V3**

### Features

- Sensing range 6 mm
- Nonferrous targets
- Stainless steel sensing face
- 200 mm M8 male cordset with PUR jacket
- Power and output LEDs

## Technical Data

### General specifications

|                              |       |                    |
|------------------------------|-------|--------------------|
| Switching function           |       | Normally open (NO) |
| Output type                  |       | PNP                |
| Rated operating distance     | $s_n$ | 6 mm               |
| Installation                 |       | flush              |
| Assured operating distance   | $s_a$ | 0 ... 4.86 mm      |
| Actuating element            |       | Nonferrous targets |
| Reduction factor $r_{Al}$    |       | 1                  |
| Reduction factor $r_{Cu}$    |       | 1.1                |
| Reduction factor $r_{304}$   |       | 0                  |
| Reduction factor $r_{St37}$  |       | 0                  |
| Reduction factor $r_{Brass}$ |       | 0.9                |
| Output type                  |       | 3-wire             |

### Nominal ratings

|                             |       |                            |
|-----------------------------|-------|----------------------------|
| Operating voltage           | $U_B$ | 10 ... 30 V DC             |
| Switching frequency         | $f$   | 20 Hz                      |
| Hysteresis                  | $H$   | 5 ... 15 typ. 10 %         |
| Reverse polarity protection |       | reverse polarity protected |
| Short-circuit protection    |       | yes                        |
| Voltage drop                | $U_d$ | $\leq 2$ V                 |
| Operating current           | $I_L$ | $\leq 100$ mA              |
| Current consumption         |       | $\leq 22$ mA               |
| Off-state current           | $I_r$ | $\leq 10$ $\mu$ A          |

### Indicators/operating means

|                     |          |                                |
|---------------------|----------|--------------------------------|
| Operation indicator | Dual LED | Green: power<br>Yellow: output |
|---------------------|----------|--------------------------------|

### Standard conformity

|           |   |
|-----------|---|
| Standards | EN 60947-5-2:2007<br>IEC 60947-5-2:2007 |
|-----------|---|

### Ambient conditions

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

### Mechanical specifications

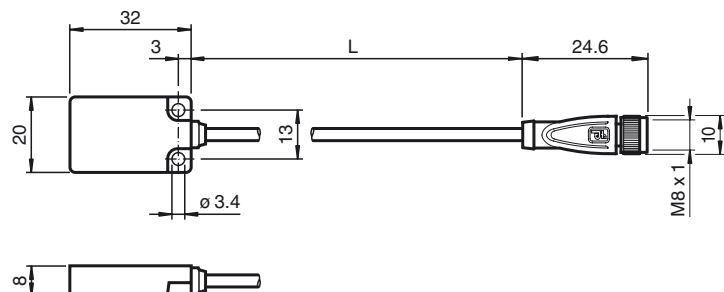
|                    |   |
|--------------------|---|
| Connection type    | Cable connector M8 x 1, 3-pin with PUR cable 200 mm |
| Core cross-section | 0.34 mm <sup>2</sup>                                |
| Housing material   | Stainless steel 1.4305 / AISI 303                   |

|                      |      |
|----------------------|------|
| Degree of protection | IP67 |
|----------------------|------|

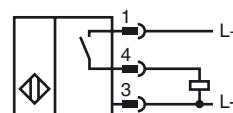
### Approvals and certificates

|              |  |
|--------------|--|
| UL approval  | cULus Listed, General Purpose                                      |
| CCC approval | CCC approval / marking not required for products rated $\leq 36$ V |

## Dimensions



## Electrical Connection



## Pinout



Wire colors in accordance with EN 60947-5-2

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