

# Inductive sensor

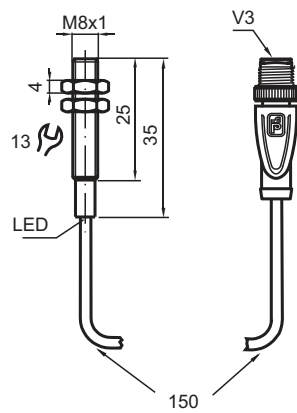
## NMB1,5-8GM35-E2-FE-150MM-V3



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



### Dimensions



### Technical Data

#### General specifications

|                            |       |                    |
|----------------------------|-------|--------------------|
| Switching function         |       | Normally open (NO) |
| Output type                |       | PNP                |
| Rated operating distance   | $s_n$ | 1.5 mm             |
| Installation               |       | flush              |
| Output polarity            |       | DC                 |
| Assured operating distance | $s_a$ | 0 ... 1.215 mm     |

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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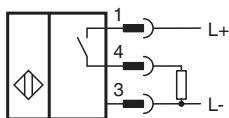
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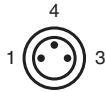
## Technical Data

|                                   |  |                    |
|-----------------------------------|--|--------------------|
| Actuating element                 | Ferrous targets  |                    |
| Reduction factor $r_{Al}$         |  | 0                  |
| Reduction factor $r_{Cu}$         |  | 0                  |
| Reduction factor $r_{304}$        |  | 0.4 - 0.7          |
| Reduction factor $r_{316}$        |  | 1                  |
| Reduction factor $r_{Brass}$      |  | 0                  |
| Output type                       | 3-wire   |                    |
| <b>Nominal ratings</b>            |  |                    |
| 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                      | $U_d$  | $\leq 2$ V         |
| Operating current                 | $I_L$  | $\leq 100$ mA      |
| Current consumption               |  | $\leq 10$ mA       |
| Off-state current                 | $I_r$  | $\leq 10$ $\mu$ A  |
| <b>Indicators/operating means</b> |  |                    |
| Operation indicator               | LED red: Output  |                    |
| <b>Standard conformity</b>        |  |                    |
| Standards                         | EN 60947-5-2:2007<br>IEC 60947-5-2:2007                            |                    |
| <b>Approvals and certificates</b> |  |                    |
| UL approval                       | cULus Listed, General Purpose                                      |                    |
| CSA approval                      | cCSAus Listed, General Purpose                                     |                    |
| CCC approval                      | CCC approval / marking not required for products rated $\leq 36$ V |                    |
| <b>Ambient conditions</b>         |  |                    |
| Ambient temperature               | -25 ... 75 °C (-13 ... 167 °F)                                     |                    |
| <b>Mechanical specifications</b>  |  |                    |
| Connection type                   | Cable connector M8 x 1 , 3-pin with PUR cable 150 mm               |                    |
| Core cross section                | 0.14 mm <sup>2</sup>   |                    |
| Housing material                  | Stainless steel 1.4305 / AISI 303                                  |                    |
| Sensing face                      | Stainless steel 1.4305 / AISI 303                                  |                    |
| Degree of protection              | IP67   |                    |

## Connection



## Connection Assignment



Wire colors in accordance with EN 60947-5-2

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

## Accessories

|  |                     |  |
|--|---------------------|--|
|  | <b>V3-WM-2M-PUR</b> | Female cordset single-ended M8 angled A-coded, 3-pin, PUR cable grey |
|--|---------------------|--|

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