



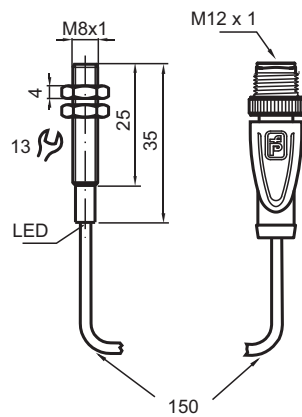
## Inductive sensor

NMB1,5-8GM35-E2-FE-1M-V1

- Stainless steel sensing face
- Sensing range 1.5 mm
- Ferrous targets
- 3-wire DC
- Pigtail quick disconnect



## 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                 |        |

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

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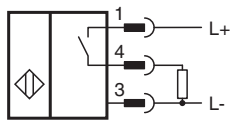
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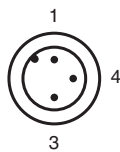
## Technical Data

|                                   |       |                                                                    |
|-----------------------------------|-------|--------------------------------------------------------------------|
| 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 $r_{316}$        |       | 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 M12 x 1 , 3-pin with PUR cable 1 m                 |
| 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

|  |             |                                       |
|--|-------------|---------------------------------------|
|  | V1-G-2M-PUR | Female cordset, M12, 4-pin, PUR cable |
|  | V1-W-2M-PUR | Female cordset, M12, 4-pin, PUR cable |

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