



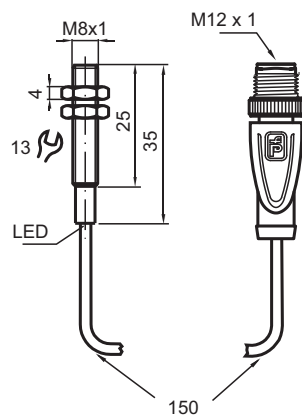
## Inductive sensor

NMB1,5-8GM35-E2-C-FE-150MM-V1

- Stainless steel sensing face
- 1.5 mm flush
- 3-wire DC
- Weld field immune
- Weld slag resistant coating
- Ferrous targets



## Dimensions



## Technical Data

### General specifications

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

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

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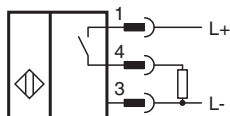
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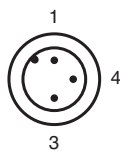
## Technical Data

|                                                 |       |                                                                    |
|-------------------------------------------------|-------|--------------------------------------------------------------------|
| Actuating element                               |       | Ferrous targets                                                    |
| Reduction factor $r_{Al}$                       |       | 0                                                                  |
| Reduction factor $r_{Cu}$                       |       | 0                                                                  |
| Reduction factor $r_{304}$                      |       | 0.4 - 0.7                                                          |
| Reduction factor $r_{St37}$                     |       | 1                                                                  |
| Reduction factor $r_{Brass}$                    |       | 0                                                                  |
| Output type                                     |       | 3-wire                                                             |
| <b>Nominal ratings</b>                          |       |                                                                    |
| Operating voltage                               | $U_B$ | 10 ... 30 V DC                                                     |
| Switching frequency                             | $f$   | 0 ... 5 Hz                                                         |
| Hysteresis                                      | $H$   | 5 ... 15 typ. 10 %                                                 |
| Reverse polarity protection                     |       | reverse polarity protected                                         |
| Short-circuit protection                        |       | pulsing                                                            |
| Voltage drop                                    | $U_d$ | $\leq 2$ V                                                         |
| Operating current                               | $I_L$ | 0 ... 100 mA                                                       |
| Current consumption                             |       | $\leq 10$ mA                                                       |
| Off-state current                               | $I_r$ | $\leq 10$ $\mu$ A                                                  |
| Switching state indicator                       |       | LED, red                                                           |
| Mag. Field strength, AC fields                  |       | 250 mT                                                             |
| Mag. Field strength, DC fields                  |       | 250 mT                                                             |
| <b>Compliance with standards and directives</b> |       |                                                                    |
| Standard conformity                             |       |                                                                    |
| Standards                                       |       | EN IEC 60947-5-2                                                   |
| <b>Approvals and certificates</b>               |       |                                                                    |
| UL approval                                     |       | cULus 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 PVC Cable, 150 mm             |
| Core cross section                              |       | 0.14 mm <sup>2</sup>                                               |
| Housing material                                |       | Xylan coated - Stainless steel 1.4305 / AISI 303                   |
| Sensing face                                    |       | Xylan coated - Stainless steel 1.4305 / AISI 303                   |
| Degree of protection                            |       | IP67                                                               |
| <b>Dimensions</b>                               |       |                                                                    |
| Length                                          |       | 35 mm                                                              |
| Diameter                                        |       | 8 mm                                                               |

## Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

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

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