



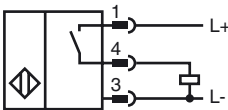
Model Number

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

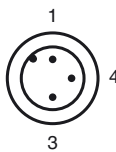
Features

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

Connection



Pinout



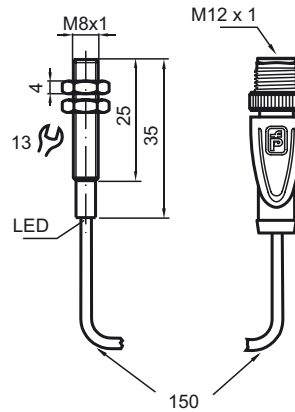
Wire colors in accordance with EN 60947-5-2

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

Accessories

- BF 8**
Mounting flange, 8 mm
- V1-G-OR2M-POC**
Female cordset, M12, 4-pin, TPE cable, welding-bead resistant

Dimensions



Technical Data

General specifications

| | | | |
|------------------------------|-------|---------------------|----|
| Switching element function | | PNP | NO |
| 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 | |
| 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 | |
| Reduction factor r_{Brass} | | 0 | |

Nominal ratings

| | | | |
|--------------------------------|-------|----------------------------|--|
| 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 | ≤ 2 V | |
| Operating current | I_L | 0 ... 100 mA | |
| Current consumption | | ≤ 10 mA | |
| Off-state current | I_r | ≤ 10 μ A | |
| Switching state indication | | LED, red | |
| Mag. Field strength, AC fields | | 250 mT | |
| Mag. Field strength, DC fields | | 250 mT | |

Ambient conditions

-25 ... 75 °C (-13 ... 167 °F)

Mechanical specifications

| | |
|--------------------|---|
| Connection type | Cable connector M12 x 1, 3-pin with PVC Cable, 150 mm |
| Core cross-section | 0.14 mm ² |
| Housing material | Xylan coated - Stainless steel 1.4305 / AISI 303 |
| Sensing face | Xylan coated - Stainless steel 1.4305 / AISI 303 |
| Protection degree | IP67 |

Compliance with standards and directives

| | |
|---------------------|---|
| Standard conformity | |
| Standards | EN 60947-5-2:2007 IEC 60947-5-2:2007 |

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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