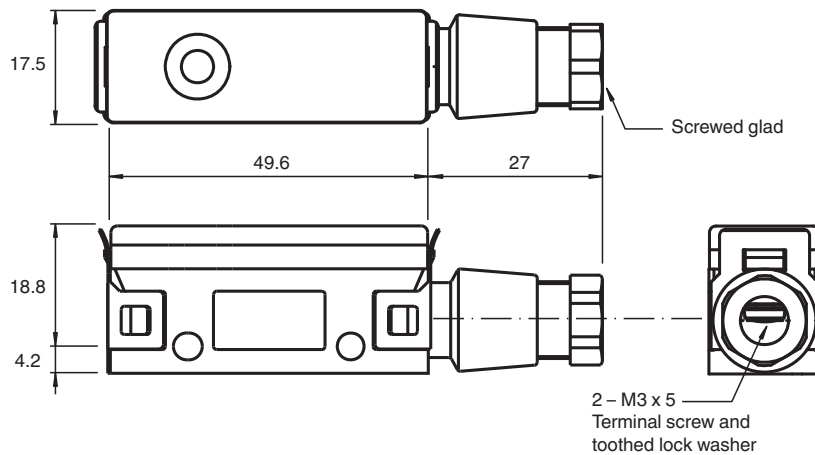


# Inductive sensor

## FL2B-4J6-E

- 4 mm non-flush
- 2-wire DC
- Terminal compartment



### Technical Data

#### General specifications

|                            |       |                    |
|----------------------------|-------|--------------------|
| Switching function         |       | Normally open (NO) |
| Output type                |       | Two-wire           |
| Rated operating distance   | $s_n$ | 4.4 mm             |
| Installation               |       | non-flush          |
| Output polarity            |       | DC                 |
| Assured operating distance | $s_a$ | 0 ... 3.1 mm       |
| Output type                |       | 2-wire             |

#### Nominal ratings

|                             |       |                           |
|-----------------------------|-------|---------------------------|
| Operating voltage           | $U_B$ | 10 ... 30 V               |
| Switching frequency         | $f$   | 800 Hz                    |
| Hysteresis                  | $H$   | 0.05 mm max               |
| Reverse polarity protection |       | reverse polarity tolerant |
| Short-circuit protection    |       | pulsing                   |
| Voltage drop                | $U_d$ | 3.3 V max                 |
| Operating current           | $I_L$ | 4 ... 100 mA              |
| Off-state current           | $I_r$ | 1 mA max:                 |

#### Ambient conditions

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

#### Mechanical specifications

|                  |  |                 |
|------------------|--|-----------------|
| Connection type  |  | screw terminals |
| Housing material |  | PBT             |
| Sensing face     |  | PBT             |

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

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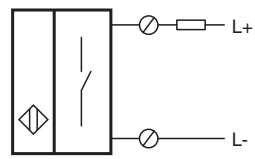
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 **PEPPERL+FUCHS**

Technical Data

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



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