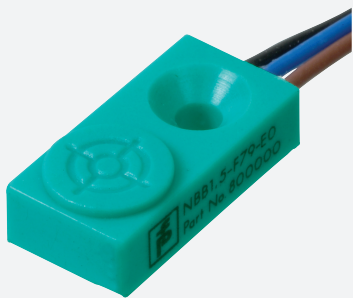


# Inductive sensor

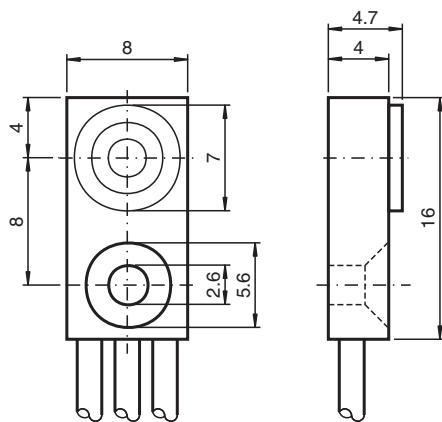
## NBB1,5-F79-E3



- Basic series
- 1.5 mm flush
- 3-wire DC



### Dimensions



### Technical Data

| General specifications     |       |                      |
|----------------------------|-------|----------------------|
| Switching function         |       | Normally closed (NC) |
| 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       |
| Reduction factor $r_{AI}$  |       | 0.3                  |
| Reduction factor $r_{Cu}$  |       | 0.2                  |
| Reduction factor $r_{304}$ |       | 0.7                  |
| Nominal ratings            |       |                      |
| Operating voltage          | $U_B$ | 5 ... 30 V DC        |
| Switching frequency        | $f$   | 0 ... 1200 Hz        |
| Hysteresis                 | $H$   | typ. 5 %             |
| Short-circuit protection   |       | pulsing              |
| Voltage drop               | $U_d$ | $\leq 1.5$ V         |

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**PEPPERL+FUCHS**

## Technical Data

|                                                 |       |                                                                            |
|-------------------------------------------------|-------|----------------------------------------------------------------------------|
| Operating current                               | $I_L$ | 0 ... 100 mA                                                               |
| Off-state current                               | $I_r$ | $\leq 10 \mu\text{A}$                                                      |
| No-load supply current                          | $I_0$ | $\leq 15 \text{ mA}$                                                       |
| Time delay before availability                  | $t_v$ | $\leq 20 \text{ ms}$                                                       |
| <b>Functional safety related parameters</b>     |       |                                                                            |
| MTTF <sub>d</sub>                               |       | 3910 a                                                                     |
| Mission Time ( $T_M$ )                          |       | 20 a                                                                       |
| Diagnostic Coverage (DC)                        |       | 0 %                                                                        |
| <b>Compliance with standards and directives</b> |       |                                                                            |
| Standard conformity                             |       |                                                                            |
| Standards                                       |       | EN 60947-5-2:2007<br>IEC 60947-5-2:2007                                    |
| <b>Approvals and certificates</b>               |       |                                                                            |
| EAC conformity                                  |       | TR CU 020/2011                                                             |
| UL approval                                     |       | cULus Listed, General Purpose                                              |
| CSA approval                                    |       | cCSAus Listed, General Purpose                                             |
| CCC approval                                    |       | CCC approval / marking not required for products rated $\leq 36 \text{ V}$ |
| <b>Ambient conditions</b>                       |       |                                                                            |
| Ambient temperature                             |       | -25 ... 70 °C (-13 ... 158 °F)                                             |
| <b>Mechanical specifications</b>                |       |                                                                            |
| Connection type                                 |       | flexible leads PVC , 500 mm                                                |
| Core cross-section                              |       | 0.08 mm <sup>2</sup>                                                       |
| Housing material                                |       | PA                                                                         |
| Sensing face                                    |       | PA                                                                         |
| Degree of protection                            |       | IP67                                                                       |

## Connection Assignment

