

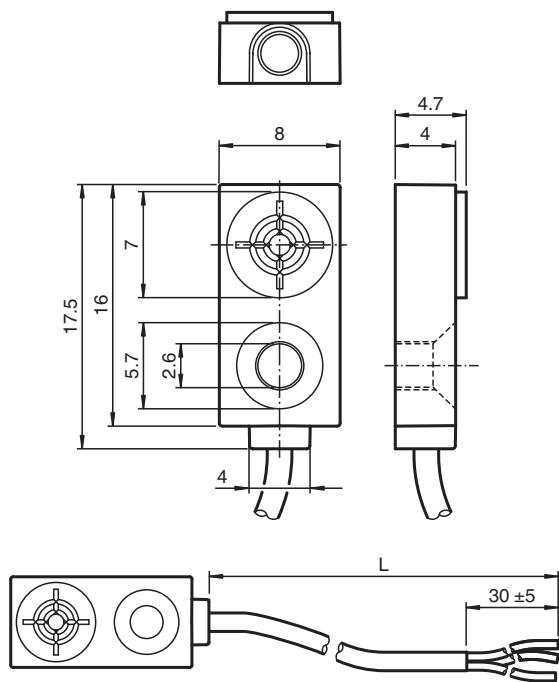
Inductive sensor  
NBB1,5-F79-E2-5M



- 1.5 mm flush
- 3-wire DC



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                 |
| Assured operating distance | $s_a$ | 0 ... 1.215 mm     |
| Reduction factor $r_{Al}$  |       | 0.3                |
| Reduction factor $r_{Cu}$  |       | 0.2                |

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

|                                                 |       |                                                                                             |
|-------------------------------------------------|-------|---------------------------------------------------------------------------------------------|
| Reduction factor $r_{304}$                      |       | 0.7                                                                                         |
| Output type                                     |       | 3-wire                                                                                      |
| <b>Nominal ratings</b>                          |       |                                                                                             |
| 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                                                                                |
| Operating current                               | $I_L$ | 0 ... 100 mA                                                                                |
| Off-state current                               | $I_r$ | $\leq 10$ $\mu$ A                                                                           |
| No-load supply current                          | $I_0$ | $\leq 15$ mA                                                                                |
| Time delay before availability                  | $t_v$ | $\leq 20$ ms                                                                                |
| <b>Compliance with standards and directives</b> |       |                                                                                             |
| Standard conformity                             |       |                                                                                             |
| Standards                                       |       | EN 60947-5-2:2007<br>EN 60947-5-2/A1:2012<br>IEC 60947-5-2:2007<br>IEC 60947-5-2 AMD 1:2012 |
| <b>Approvals and certificates</b>               |       |                                                                                             |
| CCC approval                                    |       | CCC approval / marking not required for products rated $\leq 36$ V                          |
| <b>Ambient conditions</b>                       |       |                                                                                             |
| Ambient temperature                             |       | -25 ... 70 °C (-13 ... 158 °F)                                                              |
| <b>Mechanical specifications</b>                |       |                                                                                             |
| Connection type                                 |       | cablE PVC , 5 m                                                                             |
| Core cross-section                              |       | 3 x 0.09 mm <sup>2</sup>                                                                    |
| Housing material                                |       | PA                                                                                          |
| Sensing face                                    |       | PA                                                                                          |
| Degree of protection                            |       | IP67                                                                                        |
| Cable                                           |       |                                                                                             |
| Cable diameter                                  |       | 2.3 mm $\pm$ 0.2 mm                                                                         |
| Bending radius                                  |       | > 10 x cable diameter                                                                       |

## Connection

