

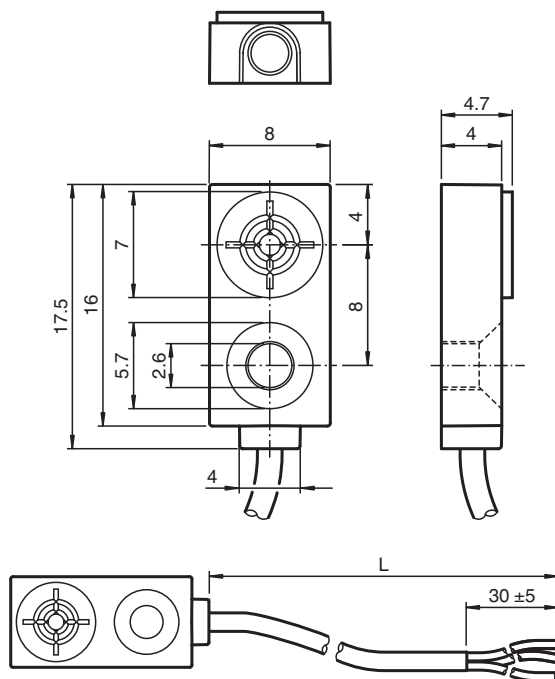
# Inductive sensor NBB1,5-F79-E1-5M



- 1.5 mm flush
- 3-wire DC



## Dimensions



## Technical Data

### General specifications

|                            |       |                      |
|----------------------------|-------|----------------------|
| Switching function         |       | Normally closed (NC) |
| Output type                |       | NPN                  |
| 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                  |
| Reduction factor $r_{304}$ |       | 0.7                  |

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

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**PEPPERL+FUCHS**

## Technical Data

|                                                 |       |                                                                    |
|-------------------------------------------------|-------|--------------------------------------------------------------------|
| 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 IEC 60947-5-2                                                   |
| <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                                                              |
| Housing material                                |       | PA                                                                 |
| Sensing face                                    |       | PA                                                                 |
| Degree of protection                            |       | IP67                                                               |
| <b>Cable</b>                                    |       |                                                                    |
| Cable diameter                                  |       | 2.3 mm $\pm$ 0.2 mm                                                |
| Bending radius                                  |       | > 10 x cable diameter                                              |
| Material                                        |       | PVC                                                                |
| Color                                           |       | black                                                              |
| Number of cores                                 |       | 3                                                                  |
| Core cross section                              |       | 0.09 mm <sup>2</sup>                                               |
| Length                                          | $L$   | 5 m                                                                |
| <b>Dimensions</b>                               |       |                                                                    |
| Height                                          |       | 4.7 mm                                                             |
| Width                                           |       | 8 mm                                                               |
| Length                                          |       | 16 mm                                                              |

## Connection

