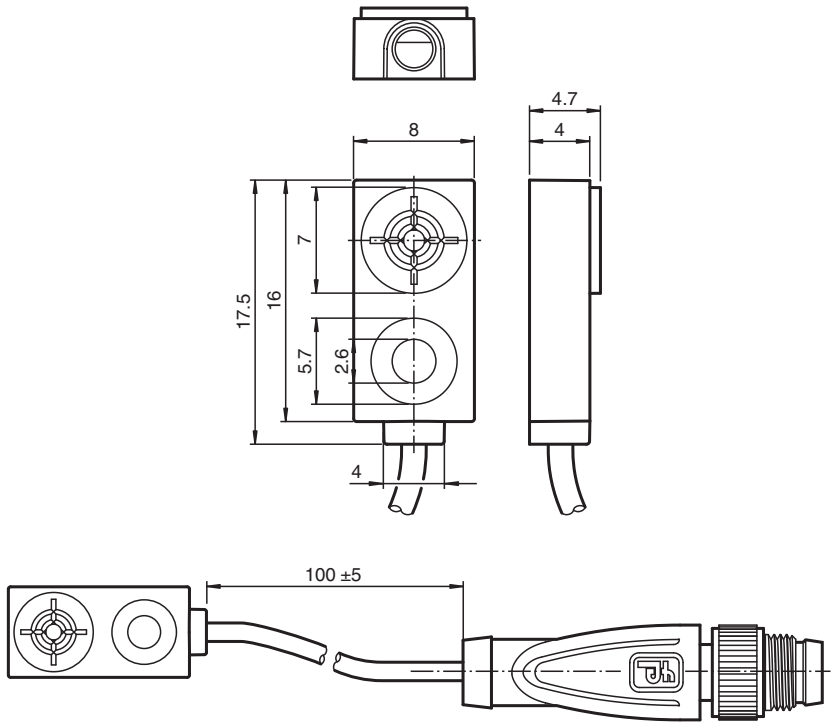


# Inductive sensor

## NBB1,5-F79-E2-0,1M-V3

- 1.5 mm flush
- 3-wire DC

## Dimensions




## Technical Data

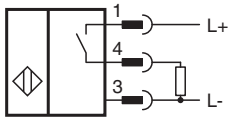
| General specifications | | |
|---|---|---|
| Switching function | | Normally open (NO) |
| Output type | | PNP |
| Rated operating distance | $s_n$ | 1.5 mm |
| Installation | | flush |
| Output polarity | | DC |
| Assured operating distance | $s_a$ | 0 ... 1.215 mm |
| Reduction factor $r_{Al}$ | | 0.3 |
| Reduction factor $r_{Cu}$ | | 0.2 |
| Reduction factor $r_{304}$ | | 0.7 |

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## Technical Data

| | | |
|---|---|---|
| Output type | | 3-wire |
| **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 | $U_d$ | ≤ 1.5 V |
| Operating current | $I_L$ | 0 ... 100 mA |
| Off-state current | $I_r$ | ≤ 10 µA |
| No-load supply current | $I_0$ | ≤ 15 mA |
| Time delay before availability | $t_v$ | ≤ 20 ms |
| **Functional safety related parameters** | | |
| $MTTF_d$ | | 4830 a |
| Mission Time ($T_M$) | | 20 a |
| Diagnostic Coverage (DC) | | 0 % |
| **Compliance with standards and directives** | | |
| Standard conformity | | |
| Standards | | EN IEC 60947-5-2 |
| **Approvals and certificates** | | |
| CCC approval | | CCC approval / marking not required for products rated ≤36 V |
| **Ambient conditions** | | |
| Ambient temperature | | -25 ... 70 °C (-13 ... 158 °F) |
| **Mechanical specifications** | | |
| Connection type | | Cable connector M8 x 1 , 3-pin with PVC cable 100 mm |
| Core cross section | | 0.09 mm² |
| Housing material | | PA |
| Sensing face | | PA |
| Degree of protection | | IP67 |
| Dimensions | | |
| Height | | 4.7 mm |
| Width | | 8 mm |
| Length | | 16 mm |

## Connection




## Connection Assignment




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## Connection Assignment

Wire colors in accordance with EN 60947-5-2

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

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