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

**Model Number**

NBB1,5-F79-E2

**Features**

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

**Technical Data**

**General specifications**

- Switching element function: PNP NO
- Rated operating distance: \( s_n = 1.5 \text{ mm} \)
- Installation: flush
- Output polarity: DC
- Assured operating distance: \( s_a = 0 \ldots 1.215 \text{ mm} \)
- Reduction factor: \( f_{100} = 0.3 \)
- Reduction factor: \( f_{104} = 0.2 \)

**Nominal ratings**

- Operating voltage: \( U_B = 5 \ldots 30 \text{ V DC} \)
- Switching frequency: \( f = 0 \ldots 1200 \text{ Hz} \)
- Hysteresis: \( H \text{ typ.} = 5 \% \)
- Short-circuit protection: pulsing
- Voltage drop: \( U_d \leq 1.5 \text{ V} \)
- Operating current: \( I_L \leq 100 \text{ mA} \)
- Off-state current: \( I_r \leq 10 \mu \text{A} \)
- No-load supply current: \( I_0 \leq 15 \text{ mA} \)
- Time delay before availability: \( t_v \leq 20 \text{ ms} \)

**Functional safety related parameters**

- MTTFd: 4830 a
- Mission Time: \( T_M = 20 \text{ a} \)
- Diagnostic Coverage: 0 %

**Ambient conditions**

- Ambient temperature: \(-25 \ldots 70 \text{ °C (-13 \ldots 158 °F)}\)

**Mechanical specifications**

- Connection type: flexible leads PVC , 500 mm
- Core cross-section: 0.08 mm²
- Housing material: PA
- Sensing face: PA
- Degree of protection: IP67

**Compliance with standards and directives**

- IEC 60947-5-2:2007

**Approvals and certificates**

- EAC conformity: TR CU 020/2011
- UL approval: cULus Listed, General Purpose
- CSA approval: cCSAus Listed, General Purpose

**Dimensions**

- Electrical Connection

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

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