### Technical Data

**General specifications**
- Switching element function: PNP, NO
- Rated operating distance: $s_{bn} = 2\, \text{mm}$
- Installation: flush
- Output polarity: DC
- Assured operating distance: $s_a = 0 \ldots 1.62\, \text{mm}$
- Reduction factor $r_{Al} = 0.35$
- Reduction factor $r_{Cu} = 0.2$
- Reduction factor $r_{304} = 0.7$

**Nominal ratings**
- Operating voltage: $U_B = 10 \ldots 30\, \text{V DC}$
- Switching frequency: $f = 0 \ldots 1000\, \text{Hz}$
- Reverse polarity protection: reverse polarity protected
- Short-circuit protection: pulsing
- Voltage drop: $U_d \leq 3\, \text{V}$
- Operating current: $I_L = 0 \ldots 100\, \text{mA}$
- Off-state current: $I_r = 0 \ldots 0.5\, \text{mA}$ typ., $0.1\, \mu\text{A}$ at $25\, ^\circ\text{C}$
- No-load supply current: $I_0 \leq 15\, \text{mA}$
- Indication of the switching state: LED, yellow

**Functional safety related parameters**
- MTTF$_d = 3560\, \text{a}$
- Mission Time (T$_M$) = 20 a
- Diagnostic Coverage (DC) = 0 %

**Ambient conditions**
- Ambient temperature: $-25 \ldots 70\, ^\circ\text{C}$ (-13 ... 158 °F)

**Mechanical specifications**
- Connection type: 4.8 mm Faston
- Housing material: PBT
- Sensing face: PBT
- Protection degree: IP67

**Compliance with standards and directives**
- Standard conformity
  - IEC 60947-5-2:2007

**Approvals and certificates**
- UL approval: cULus Listed, General Purpose
- CSA approval: cCSAus Listed, General Purpose
- CCC approval: Products with a maximum operating voltage of $\leq 36\, \text{V}$ do not bear a CCC marking because they do not require approval.