



Model Number

NBN4-F29A-E3

Features

- Basic series
- 4 mm non-flush

Technical Data

General specifications

| | | | |
|----------------------------|-------|---------------|----|
| Switching element function | | PNP | NC |
| Rated operating distance | s_n | 4 mm | |
| Installation | | non-flush | |
| Output polarity | | DC | |
| Assured operating distance | s_a | 0 ... 3.24 mm | |
| Reduction factor r_{Al} | | 0.4 | |
| Reduction factor r_{Cu} | | 0.3 | |
| Reduction factor r_{304} | | 0.7 | |

Nominal ratings

| | | |
|--------------------------------|-------|--|
| Operating voltage | U_B | 10 ... 30 V |
| Switching frequency | f | 0 ... 1000 Hz |
| Reverse polarity protection | | reverse polarity protected |
| Short-circuit protection | | pulsing |
| Voltage drop | U_d | ≤ 3 V |
| Operating current | I_L | 0 ... 100 mA |
| Off-state current | I_r | 0 ... 0.5 mA typ. 0.1 μ A at 25 °C |
| No-load supply current | I_0 | ≤ 15 mA |
| Time delay before availability | t_v | ≤ 5 ms |
| Constant magnetic field | B | 200 mT |
| Alternating magnetic field | B | 200 mT |
| Switching state indicator | | LED, yellow |

Ambient conditions

| | |
|---------------------|--------------------------------|
| Ambient temperature | -25 ... 70 °C (-13 ... 158 °F) |
|---------------------|--------------------------------|

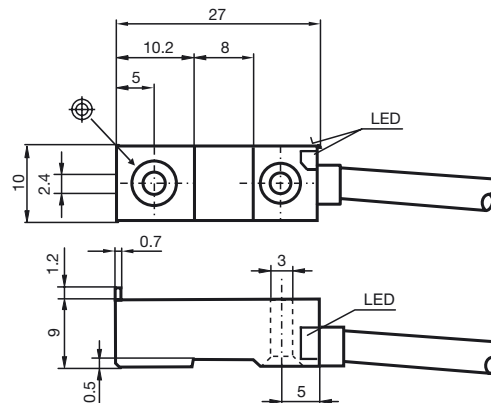
Mechanical specifications

| | |
|----------------------|---------------------------|
| Connection type | cable PVC irradiated, 2 m |
| Core cross-section | 0.14 mm ² |
| Housing material | PPS |
| Sensing face | PPS |
| Degree of protection | IP67 |

Compliance with standards and directives

| | |
|---------------------|---|
| Standard conformity | |
| Standards | EN 60947-5-2:2007 IEC 60947-5-2:2007 |

Dimensions



Electrical Connection

