



Model Number

CBN5-F104M-E2

Features

- 5 mm non-flush
- 3-wire DC
- Flat housing
- Metal housing

Technical Data

General specifications

| | | |
|----------------------------|-----------|------|
| Switching element function | PNP | NO |
| Rated operating distance | s_n | 5 mm |
| Installation | non-flush | |
| Output polarity | DC | |

Nominal ratings

| | | |
|-----------------------------|----------------------------|----------------|
| Installation conditions | | |
| B | | 0 mm |
| C | | 10 mm |
| F | | 20 mm |
| Operating voltage | U_B | 10 ... 30 V DC |
| Switching frequency | f | 0 ... 100 Hz |
| Hysteresis | H | 2 ... 20 % |
| Reverse polarity protection | reverse polarity protected | |
| Short-circuit protection | pulsing | |
| Voltage drop | U_d | ≤ 1.8 V |
| Operating current | I_L | 0 ... 200 mA |
| Off-state current | I_r | ≤ 0.1 mA |
| No-load supply current | I_0 | ≤ 15 mA |
| Operating voltage indicator | LED, green | |
| Switching state indicator | LED, yellow | |

Ambient conditions

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

Mechanical specifications

| | |
|----------------------|----------------------|
| Connection type | cable PUR , 2 m |
| Core cross-section | 0.25 mm ² |
| Housing material | GD-Zn |
| Sensing face | PA 12 |
| Degree of protection | IP67 |

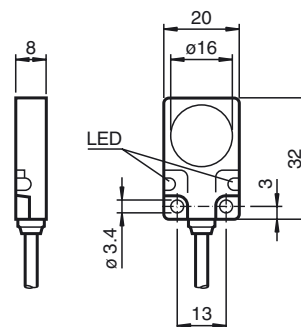
Compliance with standards and directives

| | |
|---------------------|--------------|
| Standard conformity | |
| Standards | EN 60947-5-2 |

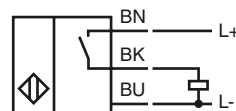
Approvals and certificates

| | |
|--------------|--|
| UL approval | cULus Listed, General Purpose |
| CCC approval | CCC approval / marking not required for products rated ≤ 36 V |

Dimensions



Electrical Connection





Installation Conditions

