



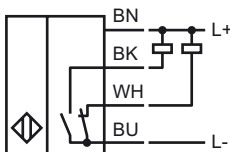
Model Number

CBN15-30GK60-A0

Features

- 15 mm not embeddable
- Operating distance adjustable via potentiometer
- High EMC resistance
- Complementary outputs

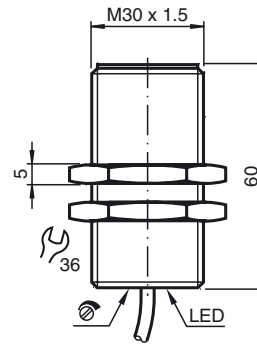
Connection



Accessories

BF 30
Mounting flange, 30 mm

Dimensions



Technical Data

General specifications

| | | | |
|----------------------------|-------|----------------|-------|
| Switching element function | | NPN | NO/NC |
| Rated operating distance | s_n | 15 mm | |
| Installation | | not embeddable | |
| Output polarity | | DC | |
| Assured operating distance | s_a | 0 ... 12.1 mm | |

Nominal ratings

| | | | |
|-----------------------------------|-------|--|--|
| Installation conditions | | | |
| A | | 18 mm | |
| B | | 10 mm | |
| C | | 30 mm | |
| F | | 60 mm | |
| Operating voltage | U_B | 10 ... 30 V DC | |
| Switching frequency | f | 0 ... 10 Hz | |
| Reverse polarity protected | | reverse polarity protected | |
| Short-circuit protection | | pulsing | |
| Voltage drop | U_d | ≤ 2.8 V | |
| Operating current | I_L | 0 ... 200 mA | |
| Off-state current | I_r | 0 ... 0.5 mA typ. 0.1 μ A at 25 °C | |
| No-load supply current | I_0 | ≤ 20 mA | |
| Indication of the switching state | | LED, yellow | |

Indicators/operating means

| | |
|---------------|------------------------|
| Potentiometer | sensitivity adjustment |
|---------------|------------------------|

Ambient conditions

| | |
|---------------------|--------------------------------|
| Ambient temperature | -25 ... 70 °C (-13 ... 158 °F) |
| Storage temperature | -40 ... 85 °C (-40 ... 185 °F) |

Mechanical specifications

| | |
|--------------------|----------------------|
| Connection type | cable PVC, 2 m |
| Core cross-section | 0.75 mm ² |
| Housing material | PBT |
| Sensing face | PBT |
| Protection degree | IP67 |

Compliance with standards and directives

| | |
|---------------------|---|
| Standard conformity | |
| Standards | IEC 60947-5-2:2007 EN 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 ≤ 36 V do not bear a CCC marking because they do not require approval. |

Installation conditions

