

### Model Number

**CBN15-30GK60-E0**

### Features

- 15 mm non-flush
- Operating distance adjustable via potentiometer
- High EMC resistance

### Accessories

**BF 30**  
Mounting flange, 30 mm

## Technical Data

### General specifications

Switching function	Normally open (NO)
Output type	NPN
Rated operating distance	$s_n$ 15 mm
Installation	non-flush
Output polarity	DC
Assured operating distance	$s_a$ 0 ... 12.1 mm
Output type	3-wire

### 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 protection	reverse polarity protected
Short-circuit protection	pulsing
Voltage drop	$U_d$ $\leq$ 2.8 V
Operating current	$I_L$ 0 ... 200 mA
Off-state current	$I_r$ 0 ... 0.5 mA typ. 0.1 $\mu$ A at 25 °C
Off-state current $T_U = 40$ °C, switching element off	$\leq$ 100 $\mu$ A
No-load supply current	$I_0$ $\leq$ 20 mA
Time delay before availability	$t_v$ $\leq$ 50 ms
Switching state indicator	LED, yellow

### Indicators/operating means

Potentiometer	sensitivity adjustment
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### 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 <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Degree of protection	IP67

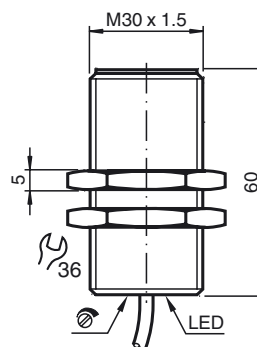
### Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012

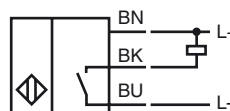
### Approvals and certificates

UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated $\leq$ 36 V

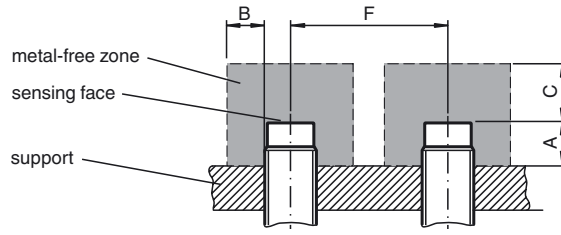
## Dimensions



## Electrical Connection



Installation Conditions



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