



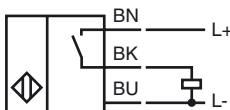
**Model Number**

**CBN15-30GK60-E2**

**Features**

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

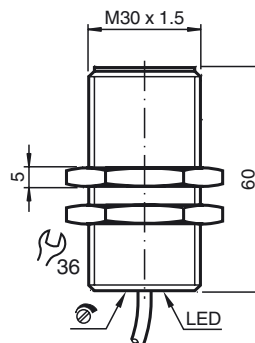
**Connection**



**Accessories**

**BF 30**  
Mounting flange, 30 mm

**Dimensions**



**Technical Data**

**General specifications**

Switching element function	PNP	NO
Rated operating distance	$s_n$	15 mm
Installation	non-flush	
Output polarity	DC	
Assured operating distance	$s_a$	0 ... 12.1 mm

**Nominal ratings**

<b>Installation conditions</b>		
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	$U_d$	$\leq 2.8$ 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
No-load supply current	$I_0$	$\leq 20$ mA
Indication of the switching state	LED, yellow	

**Functional safety related parameters**

MTTF <sub>d</sub>	750 a
Mission Time (T <sub>M</sub> )	20 a
Diagnostic Coverage (DC)	0 %

**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
Protection degree	IP67

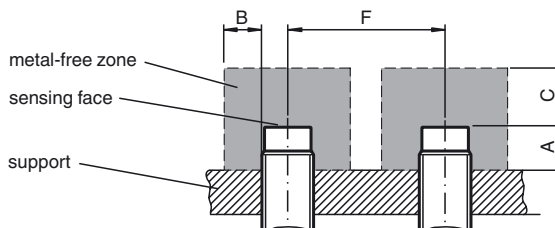
**Compliance with standards and directives**

<b>Standard conformity</b>	
Standards	EN 60947-5-2:2007 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 $\leq 36$ V do not bear a CCC marking because they do not require approval.

**Installation conditions**



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