



### Model Number

CCB10-30GS60-E0

### Features

- 10 mm flush
- Operating distance adjustable via potentiometer
- High EMC resistance
- Stainless steel version
- Operating voltage range 10 V ... 60 V DC

### Accessories

#### BF 30

Mounting flange, 30 mm

## Technical Data

### General specifications

Switching function		Normally open (NO)
Output type		NPN
Rated operating distance	$s_n$	10 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 8.1 mm
Output type		3-wire

### Nominal ratings

Installation conditions		
A		0 mm
B		0 mm
C		20 mm
F		40 mm
Operating voltage	$U_B$	10 ... 60 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

### Functional safety related parameters

MTTF <sub>d</sub>	760 a
Mission Time ( $T_M$ )	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
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	PBT
Degree of protection	IP67
Cable	
Cable diameter	6.4 mm $\pm$ 0.2 mm
Bending radius	> 10 x cable diameter

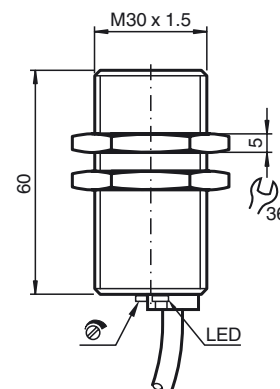
### Compliance with standards and directives

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

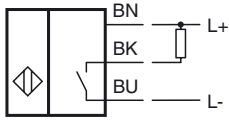
### Approvals and certificates

UL approval	cULus Listed, General Purpose
CCC approval	Certified by China Compulsory Certification (CCC)

## Dimensions



Electrical Connection



Installation Conditions

