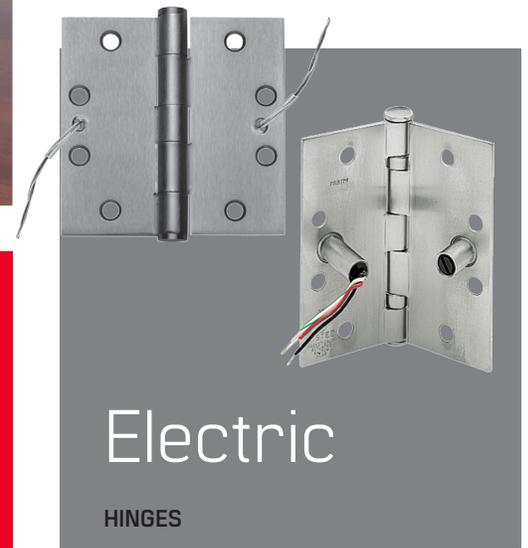




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# Frequently Asked Questions

## CONCEALED ELECTRIC

### Electrical Ratings for -54-56-58-10-66 Models

Suffix	# Wires	Wire Gage	Volts (AC or DC)
			<b>6, 12, 24 Current</b>
-54	4	28AWG	1 amp/wire
-56	6	28AWG	.7 amp/wire
-58	8	28AWG	.5 amp/wire
-10	10	28AWG	.4 amp/wire
-66*	6	2@24AWG 4@28AWG	2 amp/wire 1 amp/wire

Inrush 15A for .05 second/wire "CE" hinges are listed by UL at these ratings

\* Not available in FBB168 and FBB199

### Electrical Ratings for -18 Model

Suffix	# Wires	Wire Gage	Volts (AC or DC)
			<b>6, 12, 24 Current</b>
-18*	8	2 @ 18 AWG 6 @ 28 AWG	10 amp/wire .7 amp/wire

Inrush 20A for 4 seconds/wire "CE" hinges are listed by UL at these ratings

\* Available in CBI79, CBI68, CBI91, CBI99 only in 4-1/2" x 4-1/2", 5" x 4-1/2".

For other sizes consult factory

### Class Number

### Sizes Available

CBI79, FBB179, CBI900R	4 1/2" x 4" (114mm x 102mm)
CBI68, FBB168, CBI901R	4 1/2" x 4 1/2" (114mm x 114mm)
CBI91, FBB191, CBI960R	5" x 4" (127mm x 102mm)
CBI99, FBB199, CBI961R	5" x 4 1/2" (127mm x 114mm)
	5" x 5" (127mm x 127mm)
	6" x 4 1/2" (152mm x 114mm)
	6" x 5" * (152mm x 127mm)
	6" x 6" * (152mm x 152mm)

\* Not available in CBI91, FBB191, CBI900R and CBI960R

# CONCEALED SWITCH

## Electrical Ratings

Volts	Current Rating	
	Resistive	Inductive
6	30amp	30amp
12	25amp	25amp
24	20amp	15amp
48	15amp	12amp

## Class Number

## Sizes Available

CBI79, FBB179, CBI900R	4 1/2" x 4" (114mm x 102mm)
CBI68, FBB168, CBI901R	4 1/2" x 4 1/2" (114mm x 114mm)
CBI91, FBB191, CBI960R	5" x 4" (127mm x 102mm)
CBI99, FBB199, CBI961R	5" x 4 1/2" (127mm x 114mm)
	5" x 5" (127mm x 127mm)
	6" x 4 1/2" (152mm x 114mm)
	6" x 5" * (152mm x 127mm)
	6" x 6" * (152mm x 152mm)

\* Not available in CBI91, FBB191 and CBI960

Hinges may be equipped with both concealed wires and a concealed switcher. When both are desired use prefix "CECS".

### Q: What are BEST electric hinges?

**A:** The BEST electric hinges line is composed of CE, CS and CECS types. "CE" (concealed electric) hinges conduct current regardless of door position to electric locks, exit devices or hold-open devices where a tamper-proof hinge is required. "CS" (concealed switch) hinges enable you to monitor the door position in order to activate alarms and observe devices where a tamper-proof hinge is required. "CECS" hinges are equipped with both concealed wires and concealed switches.

### Q: What hinge types are electric hinges offered in?

**A:** Electric hinges are available in full mortise only. Heavy weight and standard weight versions are available.

### Q: What differentiates the electric heavy weight hinges from the electric standard weight hinges?

**A:** Heavy weight electric hinges are manufactured using a thicker gauge metal.

### Q: What knuckle designs are electric hinges offered in?

**A:** Electric hinges are available in 3 and 5 knuckle designs.

### Q: What is the common electric hinge application?

**A:** The electric hinges line consists of standard commercial grade door hinges. This makes them an ideal fit for wood and metal doors, medium to heavy weight doors and medium to high frequency usage applications. In addition, steel and stainless steel hinges are available. Steel hinges are a good fit for interior applications whereas stainless steel hinges are ideal for exterior or corrosive environments.

### Q: What hinge tips are offered for electric hinges?

**A:** Electric hinges can be ordered with hospital tips.

### Q: What screws are included with electric hinge orders?

**A:** Both machine and wood screws are included in electric hinge orders to allow for easy installation on either wood or metal doors and door frames.

### Q: Do you have to specify handing when ordering electric hinges?

**A:** 5 knuckle CE and all CS hinges are non-handed, so they can be used on both RH and LH doors. However, you must specify handing when ordering 3 knuckle CE and all CS hinges.

### Q: What finishes are offered for electric hinges?

**A:** Electric hinges are available in 30+ finishes allowing for cohesion with other door hardware finishes.

### Q: What is the lead time for electric hinges?

**A:** The average lead time for stock electric hinges is 48 hours from order receipt. Please consult the factory for lead times on made-to-order requests.

### Q: What warranty do electric hinges have?

**A:** Electric hinges have a 1 year warranty.

ST-HI-0213 11/21

For questions about ordering and to be sure you get the right configuration for your needs, [contact your BEST dormakaba sales representative](#).  
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