

**Description**

**Type CA, CAH and HCA  
Circuit Breakers**

2 and 3 Poles, 240 Vac  
Non-Interchangeable Trip  
Type CA: 100-225 Amperes,  
10,000 AIC  
Type CAH: 100-225 Amperes,  
22,000 AIC  
Type HCA: 100-225 Amperes,  
42,000 AIC



Type CA 3-Pole

**Accessories**

Description	Catalog Number
Handle Locks: Non-padlockable	CA23NPL
Handle Locks: Padlockable	CA23PL CA23LOCK
Mounting Hardware: Base mounting hardware – 2-pole	CA2BHW
Base mounting hardware – 3-pole	CA3BHW
Mounting Bracket – 2-pole	CA2MB
Mounting Bracket – 3-pole	CA3MB
Terminals: #3 to 300MCM	TA225CA2

**Breaker Catalog Numbers**

Continuous Ampere Rating at 40°C	Catalog Number			
	Breaker Shipped with:			
	Line and Load Terminal Installed	Load Terminals Only Installed	Line Terminals Only Installed	No Terminals Installed

**Type: CA 10,000 Ampere I.C. Thermal-Magnetic Breakers  
2-Pole, 240 Vac**

100	CA2100	CA2100X	CA2100Y	CA2100W
125	CA2125	CA2125X	CA2125Y	CA2125W
150	CA2150	CA2150X	CA2150Y	CA2150W
175	CA2175	CA2175X	CA2175Y	CA2175W
200	CA2200	CA2200X	CA2200Y	CA2200W
225	CA2225	CA2225X	CA2225Y	CA2225W
225 MCS	–	–	–	CA2225WK

**3-Pole, 240 Vac**

100	CA3100	CA3100X	CA3100Y	CA3100W
125	CA3125	CA3125X	CA3125Y	CA3125W
150	CA3150	CA3150X	CA3150Y	CA3150W
175	CA3175	CA3175X	CA3175Y	CA3175W
200	CA3200	CA3200X	CA3200Y	CA3200W
225	CA3225	CA3225X	CA3225Y	CA3225W
225 MCS	–	–	–	CA3225WK

**Type: CAH 22,000 Ampere I.C. Thermal-Magnetic Breakers  
2-Pole, 240 Vac**

100	CAH2100	CAH2100X	CAH2100Y	CAH2100W
125	CAH2125	CAH2125X	CAH2125Y	CAH2125W
150	CAH2150	CAH2150X	CAH2150Y	CAH2150W
175	CAH2175	CAH2175X	CAH2175Y	CAH2175W
200	CAH2200	CAH2200X	CAH2200Y	CAH2200W
225	CAH2225	CAH2225X	CAH2225Y	CAH2225W

**3-Pole, 240 Vac**

100	CAH3100	CAH3100X	CAH3100Y	CAH3100W
125	CAH3125	CAH3125X	CAH3125Y	CAH3125W
150	CAH3150	CAH3150X	CAH3150Y	CAH3150W
175	CAH3175	CAH3175X	CAH3175Y	CAH3175W
200	CAH3200	CAH3200X	CAH3200Y	CAH3200W
225	CAH3225	CAH3225X	CAH3225Y	CAH3225W

**Type: HCA 42,000 Ampere I.C. Thermal-Magnetic Breakers  
2-Pole, 240 Vac**

100	HCA2100	HCA2100X	HCA2100Y	HCA2100W
125	HCA2125	HCA2125X	HCA2125Y	HCA2125W
150	HCA2150	HCA2150X	HCA2150Y	HCA2150W
175	HCA2175	HCA2175X	HCA2175Y	HCA2175W
200	HCA2200	HCA2200X	HCA2200Y	HCA2200W
225	HCA2225	HCA2225X	HCA2225Y	HCA2225W

**3-Pole, 240 Vac**

100	HCA3100	HCA3100X	HCA3100Y	HCA3100W
125	HCA3125	HCA3125X	HCA3125Y	HCA3125W
150	HCA3150	HCA3150X	HCA3150Y	HCA3150W
175	HCA3175	HCA3175X	HCA3175Y	HCA3175W
200	HCA3200	HCA3200X	HCA3200Y	HCA3200W
225	HCA3225	HCA3225X	HCA3225Y	HCA3225W

**Modifications**

Description	Catalog Suffix
Shunt Trip	S1 to S16
Auxiliary Switch	A1 to A16
Special Calibration (50°C)	V
Freeze Testing	H
Moisture-Fungus Treatment	F

**Further Information**

Selling Policy 25-000  
Application Data 29-160



## REPLACEMENT CAPABILITIES

### Series C Molded Case Circuit Breakers

#### When and Where to Use:

- Generally a first choice wherever physically and electrically practical
- Where communications, energy and power quality monitoring are desired
- As a direct replacement or add-on to already installed Series C product
- Where ampere rating flexibility is desired. (Interchangeable trip units are available.)

#### Advantages:

- Most current molded case circuit breaker technology
- Higher interrupting capacities in each frame size
- Smaller and lighter for a given frame size than other options
- Generally less expensive than other replacement breaker options
- Readily available throughout range / High levels of stock
- Available from stock
- One year warranty

### Current Production Replacement Circuit Breakers

#### When and Where to Use:

- As a direct, one-for-one replacement of current production pre-Series C product
- Where you know the catalog/style number but not the physical or electrical specifics about the application

#### Advantages:

- Ease of selection and certainty of replacement
- Guaranteed to be both a physical and electrical duplicate of original
- Still in production
- Newly manufactured
- UL listed
- Available from stock
- One year warranty

### Replacement of Out-of-Production Panelboard or Motor Control Center Molded Case Circuit Breakers

#### When and Where to Use:

- When replacing out-of-production circuit breakers in an existing Panelboard or MCC

#### Advantages:

- Newly manufactured and tested to the latest applicable standards
- Both physically and electrically interchangeable with the circuit breakers that they are designed to replace
- UL listed
- Available from stock in most frame sizes
- One year warranty

### Factory Reconditioned Molded Case Circuit Breakers

#### When and Where to Use:

- Where Series C and other replacement breaker options are either not available or not workable
- Where it is not feasible to modify or upgrade gear but there is a need to replace or add a circuit breaker

#### Advantages:

- Though not UL listed, these breakers are reconditioned and tested by Cutler-Hammer at the factory according to the original manufacturing and engineering standards to which the breakers were built
- Available for all styles of out-of-production circuit breakers (E, F, G, J, K, L, M, P)
- Knowledge that these breakers are both safe and reliable
- Labeled "Reconditioned Circuit Breaker, Resold By Cutler-Hammer"

### Service for Molded Case Circuit Breakers

#### When and Where to Use:

- Where circuit breaker has sustained minor physical damage to a handle, lug, etc., that otherwise would be fully functional
- Large frame circuit breaker (600A and above) that has experienced some normal wear, but is in generally good condition, as an economically driven alternative to new

#### Advantages:

- Prevents loss of circuit breakers due to minor damage
- Reduces overall breaker costs
- Prevents use of potentially unreliable third party refurbishers
- Includes full one year Cutler-Hammer Warranty
- Ensures reliability through dealing with the original manufacturer with a long and well-recognized tradition of product safety, integrity and quality
- Provides a simple and convenient solution



# MOLDED CASE CIRCUIT BREAKERS

## Replacement Circuit Breaker Accessories

### ACCESSORIES, Continued

#### Extended Line Terminal Shields



Low Resolution Photo

For shielding line side terminal connections. One shield required per breaker. Order separately when needed. Sold only in lots of 10, including hardware.

Breaker Frame	Style Number
JB, KB, HKB	1266C07G01
MA, HMA, MC, HMC	208B966G01
NB, HNB, NC, HNC	208B966G02
LAB, LA, (Saf-T-Vue®)	314C420G02
JA, KA, LB, LBB (Saf-T-Vue®)	314C420G04
LAB, LA, HLA, LC, HLC	314C420G05
DA	314C420G06
JA, KA, HKA, LB, LBB, HLB (Standard Breaker)	314C420G06
EB, EHB, FB, HFB	625B229G08

#### Base Mounting Hardware

No charge when ordered with breaker. Order separately when needed.

Description	Style Number
<b>1-pole Breakers</b>	
EB, EHB, HFB	624B375G01
EB, EHB, HFB	624B375G02
<b>2- and 3-pole Breakers</b>	
LAB, LA, HLA, LC, HLC	21C6782G05
MA, NB, HMA, HNB, MC, HMC, NC, HNC	1091716
PB, PC, PCC	624B375G22
DA, JA, KA, HKA, LB, LBB, HLB	21C6782G22
EB, EHB, FB, HFB, MCP	21C6782G18
JB, KB, HKB	673B125G12
CA 2-pole	21C6782G28
CA 3-pole	21C6782G29

#### Handle Locks



##### Non-Padlockable

For prevention of unintentional operation of breaker. Fits over breaker handle and may be removed.

##### Padlockable

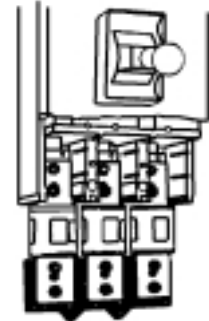
For prevention of unauthorized operation of breaker. Is non-removable once installed on breaker. Meets Underwriters' Laboratories, Inc. and California Code requirements.

**Note:** All breakers are trip free and will trip with handle locks attached. Cannot be used when handle extension is used.

Breaker Frame	Style Number
<b>Non-Padlockable</b>	
CA, EB, EHB, FB, HFB	1720360
LAB, LA, LC, HLC, MA, NB, HLA, HMA, HNB, MC, HMC, NC, HNC	1720101
GB, GC, GHB, GHC	1294C01H01
DA, JA, KA, HKA, LB, LBB, HLB	29B2721H04
<b>Padlockable</b>	
CA	506C438G01
EB, EHB, FB, HFB	765A754G01
DA, JA, KA, LB, LBB, HKA, HLB	673B796G02
JB, KB, HKB	673B796G01
LAB, LA, HLA, LC, HLC	373B591G02
MA, HMA, MC, HMC	6591C30G02 – OFF
MA, HMA, MC, HMC	6591C30G05 – ON/OFF
NB, HNB, NC, HNC	6591C30G01 – OFF
NB, HNB, NC, HNC	6591C30G04 – ON/OFF
PB, PC	6591C30G03 – OFF

#### Fuse Mounting Base for PB Breakers

For 2000 amp non-automatic breakers only.



Catalog Number
FMB2000PB

For use with non-automatic, 3-pole circuit breaker. Includes fuse mounting base and hardware to mount standard Class L current limiting fuses, 801 - 2000A (fuses not included).

For complete installation, order:

1. Front connected, non-automatic PB breaker. (Order similar to standard front connected, except omit load conductor extensions)
2. Fuse mounting base.
3. Fuses (from distributor).

#### Cable Connectors

The fuse mounting base will accept the following terminals for front cable connection (omit "T" connectors from rear connected breakers).

Style Number	Wire Range, Type No. of Cables
672B655G01	3 3/0-400 MCM Cu
180C046G03	4 400-500 MCM Cu

#### Molded Type Handle Extension

##### For LAB, LA, HLA Breakers

Style Number
372B399G01

##### For MA, HMA, MC, HMC Breakers

Style Number
1251C65G01

##### For NB, HNB, NC, and HNC Breakers

Style Number
1251C65G01

##### For PB, PC, and PCC Breakers

Style Number
6635C78G02

- ① Not Underwriters' Laboratories, Inc. listed.
- ② One of style 625B229G08 is one package of 10.
- ③ Individually mounted.
- ④ Group mounted.
- ⑤ Included with frame at no charge.
- ⑥ Interrupters used with fuse mounting base will accept all standard PB accessories. See Dimension Sheet 29-171 for mounting details.