

# MOLDED CASE CIRCUIT BREAKERS

## Replacement Circuit Breakers



### REPLACEMENT CAPABILITIES, *Continued*

**Types PC, PCA, PCC, PCCA 2000, 2500 and 3000 Ampere SELTRONIC™ with Solid State Trip Units, 600 Volts AC, 50/60 Hz**

Complete Breaker Requires Frame, Rating Plug and Rear Connectors (connectors are included in 3000 Ampere and all front connected frames.) Suitable for reverse feed applications.

Breakers for Standard Applications				Breakers for Standard Applications at 100% Rating			
Frame Only				Frame Only			
Poles <sup>①</sup>	Standard (Long Delay and Short Time)	Short Time Only <sup>②</sup>	Long Delay, Short Time Trip, and Adjustable Short Delay Time (.08-.28 seconds)	Poles <sup>①</sup>	Standard (Long Delay and Short Time Trip)	Magnetic Only <sup>②</sup>	Long Delay, Short Time Trip, and Adjustable Short Delay Time (.08-.28 seconds)
Catalog Numbers				Catalog Numbers			
<b>Type PC 2000, 1000 to 2000 Amperes<sup>③</sup></b>		<b>Type PCA 2000<sup>③</sup></b>		<b>Type PCC 2000, 1000 to 2000 Amperes<sup>④</sup></b>			
Rear Connected Breakers		Rear Connected Breakers		Rear Connected Breakers		Rear Connected Breakers	
2	PC22000F	PC22000FM	PCA22000F	2	PCC22000F	PCC22000FM	PCCA22000F
3	PC32000F	PC32000FM	PCA32000F	3	PCC32000F	PCC32000FM	PCCA32000F
Front Connected Breakers		Front Connected Breakers		Front Connected Breakers		Front Connected Breakers	
2	PCF22000F	PCF22000FM	PCFA22000F	2	PCCF22000F	PCCF22000FM	PCCFA22000F
3	PCF32000F	PCF32000FM	PCFA32000F	3	PCCF32000F	PCCF32000FM	PCCFA32000F
<b>Type PC 2500, 1400 to 2500 Amperes<sup>③</sup></b>		<b>Type PCA 2500<sup>③</sup></b>		<b>Type PCC 2500, 1400 to 2500 Amperes<sup>④</sup></b>			
Rear Connected Breakers		Rear Connected Breakers		Rear Connected Breakers		Rear Connected Breakers	
2	PC22500F	PC22500FM	PCA22500F	2	PCC22500F	PCC22500FM	PCCA22500F
3	PC32500F	PC32500FM	PCA32500F	3	PCC32500F	PCC32500FM	PCCA32500F
Front Connected Breakers		Front Connected Breakers		Front Connected Breakers		Front Connected Breakers	
2	PCF22500F	PCF22500FM	PCFA22500F	2	PCCF22500F	PCCF22500FM	PCCFA22500F
3	PCF32500F	PCF32500FM	PCFA32500F	3	PCCF32500F	PCCF32500FM	PCCFA32500F
<b>Type PC 3000, 1600 to 3000 Amperes<sup>③</sup></b>		<b>Type PCA 3000<sup>③</sup></b>		<b>Type PCC 3000, 1600 to 3000 Amperes<sup>④</sup></b>			
2	PC23000F	PC23000FM	PCA23000F	2	PCC23000F	PCC23000FM	PCCA23000F
3	PC33000F	PC33000FM	PCA33000F	3	PCC33000F	PCC33000FM	PCCA33000F

**Type PC, PCC Molded Case Switches: Refer to Page 55**

### Accessories and Modifications

**Drawout Mounting Breakers, 3-Pole Only**  
Breaker frame and complete drawout frame with safety tripping interlock.

Order by description. Secondary contacts supplied as required at no extra charge.  
Order required rating plug separately.<sup>⑤</sup>  
Refer to **page 68**.

#### Rating Plugs

Select from **page 53**.

**Stationary Portion of Drawout Frame Only for Future Breaker Installations, 3-Pole Only.** Refer to **page 68**.

### Special Type PCC Breakers for SCR Power Supplies

These drawout mounting breakers are designed with a 2 to 4 times magnetic trip adjustment and special time delay trip characteristics to provide maximum protection and coordination with SCR power supplies on offshore drilling rigs. Suitable for application at 100% of rating.

Order by description. Secondary contacts supplied as required. Order standard rating plugs separately.

Availability: PCC2000, PCC2500 Drawout-Mounting breakers

Type PC and PCC meet requirements of Class 25a as defined in Federal Spec. W-C-375b.

For CSA, see **page 41**.

**UL listed Interrupting Capacity RMS Symmetrical Amperes (Std. and Grd. Flt. Breakers)<sup>⑥</sup>**

Breaker	AC Volts		
	240	480	600
PC, PCC	125,000	100,000	100,000

**Additional Accessories and Modifications**  
Refer to **pages 58-68**.



**PC, 600 Volts AC**

① 2-pole breakers are supplied in 3-pole frames with current carrying parts omitted from center pole.

② UL Inc. recognized component.

③ UL listed for standard applications.

④ These breakers are UL listed for application at 100% of rating per NEC exceptions when used in a properly ventilated and listed enclosure.

⑤ Includes breakers without adjustable short delay time.







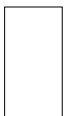








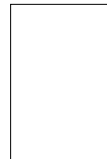
⑥ Secondary contacts, when required for motor operator or other attachment must be specified and factory mounted on stationary frame when it is ordered separately.

⑦ When ordering breaker with movable portion only for use with previously installed stationary portion, deduct the list price of stationary portion from list price of complete breaker with drawout frame.

⑧ Interrupting capacities shown do not apply to molded case switches.



## MOLDED CASE CIRCUIT BREAKER REPLACEMENT GUIDE

Series C Industrial Circuit Breakers																
Maximum Amperes		800A			800A			1200A			1600A/2000A/2500A①					
C U R R E N T  D E S I G N	Series C Circuit Breakers are Cutler-Hammer's most current offering and, as such, are a logical first choice when upgrading or retrofitting equipment.	MD, MDS			ND, HND, NDC			ND, HND, NDC			RD					
	All circuit breakers listed in a column are ELECTRICALLY INTERCHANGEABLE.															
		Dimensions – Inches Per 3-pole Breaker														
		W	H	D	W	H	D	W	H	D	W	H	D			
		8¼	16	4⅞	8¼	16	5½	8¼	16	5½	15½	16	9¾			
Replacement Circuit Breakers																
R E P L A C E M E N T	These new, UL labeled circuit breakers continue to be manufactured and are primarily applied to achieve exact physical and electrical replacement of previously installed Cutler-Hammer/Westinghouse circuit breakers of the same style number and rating.	MA, HMA and MC			MA, HMA and MC, MCC SELTRONIC			NC, HNC and NB, HNB			PC, PCC			PB		
																
		W	H	D	W	H	D	W	H	D	W	H	D	W	H	D
		8¼	16	4⅞	8¼	16	4⅞	8¼	16	5½	12⅞	22⅞	9⅞	12⅞	22⅞	9⅞
Out-of-Production Westinghouse Circuit Breakers																
O U T O F  P R O D U C T I O N	These circuit breakers are no longer manufactured.  * Indicates the last date of manufacture. As an option, any of these circuit breakers can be reconditioned at the original factory by Cutler-Hammer. For details, see page 8, or contact your local Cutler-Hammer Field Sales Office.	LM, HLM and M			LM, HLM and M			MA, HMA 1200 Amp			LM, HLM			PA		
																
		*1967			*1967			*1968			*1967			*1968		
		W	H	D	W	H	D	W	H	D	W	H	D	W	H	D
		8¼	22	5½	8¼	22	5½	8¼	16	5½	8¼	22	5½	12	22	9⅞
		SPCB 1200A, SCB 1200A *1986 Consult Cutler-Hammer			SPCB 1200A, SCB 1200A *1986 Consult Cutler-Hammer			SPCB 2000-3000A, SCB 2000-3000A *1986 Consult Cutler-Hammer			SPCB 2000-3000A, SCB 2000-3000A *1986 Consult Cutler-Hammer			SPCB 2000-3000A, SCB 2000-3000A *1986 Consult Cutler-Hammer		
		W	H	D	W	H	D	W	H	D	W	H	D	W	H	D
		8¼	16	5½	8¼	16	5½	8¼	16	5½	12⅞	22⅞	9⅞	12⅞	22⅞	9⅞
Out-of-Production Cutler-Hammer Circuit Breakers Last Manufactured by Cutler-Hammer in 1994																
O U T O F  P R O D U C T I O N	MS, MH			NS, NH												
							No Equivalent Cutler-Hammer Brand Frame Size Existed			No Equivalent Cutler-Hammer Brand Frame Size Existed						
	W	H	D	W	H	D										
		8¼	16	4⅞	8¼	16	5½									

① RD Breaker replaces PC, PCC and PB Breakers for 2000A and 2500A only.