

## **MOLDED CASE CIRCUIT BREAKER REPLACEMENT GUIDE** Series C Industrial Circuit Breakers 1600A/2000A/2500AO **Maximum Amperes** 800A 800A 1200A ND, HND, NDC ND, HND, NDC Series C Circuit Breakers MD, MDS RD are Cutler-Hammer's most current offering С and, as such, are a logical first choice when υ R upgrading or retrofit-R ting equipment. Е N т D Е s All circuit breakers Т listed in a column are •1 G ELECTRICALLY N INTERCHANGEABLE. Dimensions – Inches Per 3-pole Breaker w w w н W D D D D н н н 81/4 16 41/16 81/4 16 51/2 81/4 16 51/2 151/2 16 **9**<sup>3</sup>/<sub>4</sub> **Replacement Circuit Breakers** These new, UL labeled MA, HMA MA, HMA and NC, HNC and PC, PCC PΒ circuit breakers conand MC MC, MCC SELTRONIC NB, HNB R Е tinue to be manufac-Ρ tured and are primarily applied to achieve exact L physical and electrical Α С replacement of previ-Е ously installed Cutler-М Hammer/Westinghouse Е D W D w D w н D W н D circuit breakers of the w н н н N same style number and 81/4 16 41/16 81/4 16 41/16 81/4 16 51/2 12<sup>1</sup>/16 22<sup>1</sup>/<sub>8</sub> **9**<sup>1</sup>/<sub>16</sub> 12<sup>1</sup>/16 221/8 91/16 т rating. **Out-of-Production Westinghouse Circuit Breakers** These circuit breakers LM, HLM LM, HLM LM, PA MA, and M HMÁ HLŃ and M are no longer manufac-0 tured. υ 1200 т Amn \* Indicates the last date 0 F of manufacture. As an option, any of these Ρ circuit breakers can be reconditioned at the R original factory by 0 \*1968 \*1968 Cutler-Hammer. For \*1967 \*1967 \*1967 D ΗD W D W ΗD W D w w D υ details, see page 8, or н н н č contact your local 81/4 22 5½ 81/4 22 5½ 81/4 **16** 5½ 81/4 22 51/2 12 22 **9**<sup>1</sup>/<sub>16</sub> **Cutler-Hammer Field** т SPCB 1200A, SCB 1200A SPCB 2000-3000A, SCB 2000-3000A Sales Office. L \*1986 Consult \*1986 Consult ο Cutler-Hammer Cutler-Hammer Ν w н D w н D 5½ 8¼ 16 12<sup>1</sup>/16 22<sup>1</sup>/8 9<sup>1</sup>/16 Out-of-Production Cutler-Hammer Circuit Breakers Last Manufactured by Cutler-Hammer in 1994 MS, MH NS. NH 0 U T O F No No Equivalent Equivalent Cutler-Hammer Brand Cutler-Hammer Brand Ρ Frame Size Frame Size R Existed Existed 0 D υ w C T W н D н D 81/4 16 41/16 81/4 16 51/2 Т ο Ν

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

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## **MOLDED CASE CIRCUIT BREAKERS Replacement Circuit Breakers**



	ACEMENT CAPA								
	NC, NCA, MARK 75®				lid State Trip U	Jnits, 600 Vo	Its AC		
50/60	Hz Complete Breaker Re	equires Frame, F	ating Plug, an	d Terminals					
Frame	· ·	1	1						
Poles 0	and Short Time) Only@ Adjus			Delay, Short Time able Short Delay 8 Seconds)					
	Catalog Numbers						<u>د ج</u> د		
Types	NC and NCA (800 to 120	00 Amperes)							
2 NC21200F NC21200FM NCA21									
3         NC31200F         NC31200FM         NCA31200F           Mark 75 Types HNC and HNCA (800 to 1200 Amperes)         Call         Call								22-	
				212005					
2 3	HNC21200F HNC21200FM HNCA2 HNC31200F HNC31200FM HNCA3								
Type N	NC 1200 Molded Case Sv	witch: Refer to P	age 55				NC, 600 Volt	s AC	
Гуре	NCG, NCGA, and MA	RK 75® Type H	NCG, HNCG	A SELTRONIC	C™ with Built-i	n Ground Fa	ult Protectic	n	
Compl	ete Breaker Requires Fra	ime, Rating Plug	and Terminals	s – Extra Currer	it Transformer				
	ed for Neutral <b>60</b> See <b>p</b> a	age 58 for Option	nal Remote Gr						
Frame				Ground Fault Characteristics					
Poles	Standard (Long Delay, Short Time and Ground Fault Trip)	Long Delay, Shor Adjustable Short and Ground Faul	Delay Time,	Pick-up Setting Amps	Time Setting				
	Catalog Numbers								
Types	NCG and NCGA (800 to	1200 Amperes)	5						
3 NCG31200F NCGA31200F				120-1200	3.5-30 Cy				
Mark 3	75 Types HNCG and HN	CGA (800 to 120	0 Amperes) <b>⊚</b>						
3	HNCG31200F	HNCGA31200F		120-1200	3.5-30 Cy				
Acces	sories and Modificati	ons							
Field N	Iountable Attachments	0089				Terminals			
Descrip	otion				Style Number	Two Term	inals Require	d per Pol	е
Provision to trip flux transfer shunt trip from external source:						Max.	Catalog Number	No. of	
32 to 120 Volts DC to 60 Hz@ 240 to 600 Volts AC, 50/60 Hz <b>@</b>				1372D39G23		Amps	All/Cu Pressure Terminals		ange, Typ
Provision to trip flux transfer shunt trip from external source, plus a 1						1000 TA1000NB1 (3) 3/0-400MCM			
Switch: 32 to 120 Volts DC to 60 Hz@				1372D39G16	1200 (Std.)	TA1200NB1	(4) 4/0-	500MCM	
240 to 600 Volts AC, 50/60 Hz 0					1372D39G26	1200	TA1201NB1		750MCN
Provision to trip flux transfer shunt trip from external 24-volt DC source 1A-1B Auxiliary Switch					1371D94G05 1371D39G03		pper Pressure		
						1000 1200	T1000NB1 T1200NB1		500MCM 400MCM
	onal Accessories and Me	odifications	For CSA, see	page 41.		L	1	-1	
Refer t	o pages 58-68. Plugs			TRONIC <sup>™</sup> brea			Interrupting ( cal Amperes@		RMS
Ratin~	Rating Plugs Select from page 53.			requirements for Class 21a, and MARK 75 <sup>®</sup> . Type HNC meet Class 23a as defined by			Breaker AC Volts		
				. W-C-375b.			240	480	600
	nom page oo.		Federal Spec				240	400	000

2-pole breakers are supplied in 3-pole frames with current-carrying parts omitted from center pole.
UL Inc. recognized component.

- Available without extra CT for neutral. Order by description as similar to above except without neutral CT or external CT Terminal connections at same price. Note the standard ground fault unit above can also be used without the neutral CT.
- Order two of the desired terminals for each pole of the breaker and two for the neutral CT.
- For applications other than standard residual scheme, see Application Data 29-160.
- Ø For other possible combinations, refer to factory.
   Ø Molded case switches do not use standard SELTRONIC<sup>™</sup> attachments and should be ordered by description.
- O Does not void listing of UL listed breakers.
- Only one of the attachments may be mounted per breaker.
- <sup>®</sup> Rated 48 volts minimum for ground fault applications requiring tripping at 55% of voltage.
- Not for ground fault applications.
- O Also used on breakers with ground fault and on separately mounted neutral current transformers.
- Type Al/Cu pressure terminal.
- Interrupting capacities shown do not apply to molded case switches.