



August, 1987
Supersedes Renewal Parts Data
29-990, pages 1-2, dated
April, 1980.
Mailed to: E, D, C/29-900B

Solid State Circuit Breaker Type
Automatic, Basic and Manual Switches

Transfer Switches

Renewal Parts Data – Features/Options

Option	Description	Style Number	Qty. Reqd.
1	Time Delay Normal to Emergency (TDNE)		
	A. Time Delay Card adj. 1-60 Sec.	1275C74G01	1
	B. Time Delay Card adj. 0.1-10 min.	1275C74G02	1
	C. Time Delay Card adj. 2-30 min.	1275C74G03	1
2	Time Delay Engine Start (TDES)		
	B. Time Delay Relay adj. 5-15 Sec. ⑥	1277C44G02	1
	C. Time Delay Relay adj. 4-120 Sec. ⑥	1277C44G03	1
3	Time Delay Emergency to Normal (TDEN)		
	A. Time Delay Card adj. 1-60 Sec.	1275C74G01	1
	B. Time Delay Card adj. 0.1-10 Min.	1275C74G02	1
	C. Time Delay Card adj. .2-30 Min.	1275C74G03	1
4	Time Delay Engine Cool-off (TDEC)		
	A. Time Delay Card adj. 1-60 Sec.	1277C44G14	1
	B. Time Delay Card adj. 0.1-10 Min.	1277C44G15	1
	C. Time Delay Card adj. .2-30 Min.	1277C44G16	1
	D. Time Delay Card fixed 5 Min.	1277C44G17	1
5	Frequency/Voltage Relays for Emergency Source		
	A. Under Frequency Card	1275C74G04	1
	C. Over Frequency Card	1275C74G06	1
	D. Undervoltage Card	1266C79G04	1
	E. Overvoltage Card	1266C79G02	1
	Relay Driver Card	1266C77G02	1
	Blank Cover	1266C77G01	1
6A,B	Test Pushbutton		
	Pushbutton Operator	1290C01G02 ⑥	1
	Contact Block	1290C15G02 ⑥	1
6C,D	Test Selector Switch Kit ⑥	1279C64G01	
	Selector Switch Operator	1290C11G01 ⑥	1
	Contact Block	1290C15G02 ⑥	1
7C,D ⑥	Four (4) Position Selector Switch, plus Off Position Light Kit ..	1279C64G03 ⑥	
	Four (4) Position Selector Switch	751B655G01 ⑥	1
	Light Unit 120 Volt.	1290C09G05 ⑥	
	Lens (White)	1290C15G81 ⑥	
8A, B, C, D	By-Pass Pushbutton Kit ⑥	1279C64G05	
	Pushbutton Operator	1290C11G02	1
	Contact Block	1290C15G01 & 1290C15G02 ⑥	1
9A,B	Maintenance Selector Switch		
	Selector Switch Operator	1290C11G01 ⑥	1
	Contact Block	1290C15G01 & 1290C15G02 ⑥	1
C	Control Circuit Disconnect	Refer to Westinghouse	
10	Preferred Source Selector Switch		
A,B,C,D ⑥	Two (2) Position Selector Switch	751B752G01	1



Transfer Switches

Renewal Parts Data – Features/Options *Continued*

Option	Description	Style Number	Qty. Reqd.
11B,C,D,E	Automatic Circuit Breaker Reset		
	Pushbutton Operator.....	1290C01G02	1
	Contact Block.....	1290C15G01 &	1
		1290C15G02	
F	Circuit Breaker Lock-out (Contained in Breaker)		
12	Pilot Lights (120 Volt)	1290C09G05	1
A,C	Green Lens.....	1290C15G79	1
B,D	Red Lens.....	1290C15G80	1
E,F,G,H	White Lens.....	1290C15G81	1
J,K,L,M	Amber Lens.....	1290C15G82	1
	Pilot Light Kits (Darken) Ⓢ		
12A,C,E,G	Normal Indicating Lights.....	1279C64G07	1
12B,D,F,H	Emergency Indicating Lights.....	1279C64G08	1
12J,L	Normal Tripped Indicating Lights.....	1279C64G12	1
12K,M	Emergency Tripped Indicating Lights.....	1279C64G13	1
13	Engine Start Contact (Contained on NR Relay)		
14	Relay Auxiliary Contacts		
C	Normal Relay Kit.....	1277C44G10	1
D	Emergency Relay Kit.....	1277C44G11	1
15A,B,E,F	Breaker Auxiliary Contacts (Contained in Breaker)		
C,D	Breaker Bell Alarm Contacts (Contained in Breaker)		
16A,B,C,D, E,F,G,H	Circuit Breakers: See Information, Page 5		
17A	Circuit Breakers: See Information, Page 5		
18A	Enclosures: Order by Switch Ampere Rating and Nema Classification		
19	Solid Neutral Bar		
A	100 Amp.	459D912G01	1
B	225 Amp.	2611D36G01	1
C	400 Amp.	2611D36G02	1
D	600 Amp.	2611D36G02	1
E	800 Amp.	2611D36G03	1
F	1000 Amp.	2611D36G03	1
20A,B	Non-Standard Connections (Refer to Westinghouse)		
21A	Non-Standard Terminals	(Refer to Westinghouse)	
22A,B	Narrow Unit	(Refer to Westinghouse)	
23	Plant Exercisor		
C,D	120 Volt, 240 Volt 60 Hz Timer.....	751B210G01	1
	120 Volt 50 Hz Timer.....	751B210G02	1
	208 Volt, 480 Volt, 600 Volt 60 Hz Timer.....	751B210G01	1
	Transformer.....	1271C59G01	1
	220 Volt, 380 Volt, 401 Volt, 415 Volt, 50 Hz Timer.....	751B210G02	1
	Transformer.....	1271C59G02	1
G	Plant Exercisor With Selector Switch for Choosing		
	Option 23C or 23D		
	Operator and Contact Block.....	676B529G01	1
	Note: Option 23G is applied with Timer and Transformer from Option 23C,D		
	Terminal Block.....	371D956H04	1

Ⓢ Changed or added since previous issue.

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Renewal Parts Data – Features/Options *Continued*

Option	Description	Style Number	Qty. Reqd.
24	Battery Charger Kit		
C	12 Volt	1277C54G01 ©	1
	24 Volt	1277C54G02 ©	1
26	Type of Protection (Normal Source)		
A	Under Voltage Card (1 Phase)	1266C79G04	1
	(3 Phase)	1266C79G03	1
B	Partial Protection (Blank Cover)	1266C77G01	1
C	Over Voltage Card (1 Phase)	1266C79G02	1
	(3 Phase)	1266C79G01	1
D	Area Protection Connections with override circuit Relay	765A857G06	2
E	Under Frequency Card	1275C74G04	1
F	Over Frequency Card	1275C74G06	1
27A	Non-Standard Voltages and Frequencies	(Refer to Westinghouse)	
28A	Intelligence Circuit Fuses		
	Fuse (3 Amp)	673B050H02	4
	Fuse Block	5064A99H01 ©	4
29	Type of Operation		
B,D	Pushbutton Operator	1290C01G02 ©	2
	Contact Block	1290C15G01 & 1290C15G02 ©	2
C,E	Relay	765A857G06	2
	Pushbutton Operator	1290C01G02 ©	1
	Contact Block	1290C15G01 & 1290C15G02 ©	1
F,G	Relay	765A857G06	1
	Selector Switch Operator	1290C01G02 ©	1
	Pushbuttons ©	1290C11G01	1
	Relays ©	765A857G06	1
	Contact Block	1290C15G01 ©	1
H,J	Note: Option 29F,G is applied with Option 29B,D		
	Selector Switch Operator	1290C01G02 ©	1
	Pushbuttons ©	1290C11G01	1
	Relays ©	765A857G06	1
	Contact Block	1290C15G01 & 1290C15G02 ©	1
30A	Note: Option 29H,J is applied with Option 29C,E		
	Cranking Limiter Kit ©	1277C54G04	1
	Timing Relay	5086A03G02 ©	1
	Relay	5075A30G01	1
31A ©	Audible Alarm Kit	1277C54G06 ©	1
31A,B,C,D	Audible Alarm with Silencing Switch		
	Alarm	750B539G01	1
	Operator	1290C01G02 ©	1
	Contact Block	1290C15G01 & 1290C15G02 ©	1
32A	Time Delay Neutral Kit	1277C54G08 ©	1
	Timing Relay	5086A03G02 ©	1
	Auxiliary Contacts (Contained in Breakers)		



Transfer Switches

Renewal Parts Data – Features/Options *Continued*

Option	Description	Style Number	Qty. Reqd.
33A,B	Shunt Trip (Contained in Breakers)		
34A Ⓢ	Extender Cable, 48 Inches	1278C70G01	1
34B Ⓢ	Extender Cable, 72 Inches	1278C70G02	1
34C Ⓢ	Extender Cable, 96 Inches	1278C70G03	1
34D Ⓢ	Extender Cable, 120 Inches	1278C70G04	1
34E Ⓢ	Extender Cable, 144 Inches	1278C70G05	1
35A Ⓢ	Pre-Transfer Signal Device Kit (Form C Contacts)	1277C54G10	
	Timer	5086A03G02	1
	Relay	1229C24G01	1
	Relay Socket	1229C25G01	1
35B Ⓢ	Pre-Transfer Signal Device (Isolated Contacts)		
	Timer	5086A03G02	1
	Relay	5075A30G01	1

Circuit Breaker Panel or Basic Transfer Switches

Description	Style No.	Qty. Reqd.
Operating Mechanism Complete		
100 Amp. Mechanism Assembly	1370D07G01	1
Motor Limit Switch	277A563H01	1
Gear Motor	672B817G01	1
225 Amp. Mechanism Assembly	1372D05G02	1
400 to 1000 Amp.	1372D05G01	1
1200 to 2000 Amp.		
Arm (225 to 1000 Amp.) Ⓢ	506C550H01	1
Dial (225 to 1000 Amp.)	766A697H01	1
Nameplate (225 to 1000 Amp.)	147P569H01	1
Indicator Pointer (225 to 1000 Amp.)	228P839H01	1
Note: Mechanism assembly, arm, dial, indicator and nameplate will be shipped assembled.		
Gear Motor	5070A12H01	1
Brake Assembly	626B967G01	1
Dust Cover	179C658H01	1
Breaker Operating Cam		
225 Amp.	623B814H02	1
400-1000 Amp.	623B814H01	1

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Intelligence Panel

Description	Style No.	Qty. Reqd.
Relays		
Normal (NR)	1266C74G03	1
Emergency (ER)	1266C74G03	1
Engine Cooloff (EC)	1266C74G03	1
Note: For early model switches use style number	1266C74G01	
Potter Brumfield (Off-Center Terminals)		
Mother Board		
Six (6) Position	2612D14G05	1 ②
Nine (9) Position	2612D14G06	1 ②
Transformers		
Unit Assembly (3 Phase Normal – 1 Phase Emergency)	2612D55G01	1
Narrow Panel (3 Phase Normal – 1 Phase Emergency)	2612D55G02	1
(2 Pole 120 Volt)	2612D55G03	1
(2 Pole 240 Volt)	2612D55G04	1
Normal (NT) or Emergency (ET) 100 to 1000 Amp.	1268C19G01	1
Normal (NT) or Emergency (ET) 1200 Amp. to 3000 Amp.	1268C19G02	1
Two Circuit Terminal Block (TBA-2)	371D956H04	1
Mtg. Rail (12 In. Long) (TMR-12)	371D956H01	1

Circuit Breaker Renewal Parts^①

Description	Amp Rating	Qty. Reqd.	Style Numbers			
			2 Pole	3 Pole	4 Pole Normal	Emergency
Circuit breakers used in standard catalog numbered switches (either Norm. or Emerg.). Terminals not included.	100	1	1277C47G41	1277C47G42	1277C47G43	.....
	225	1	1277C47G44	1277C47G45	1277C47G46	.....
	400	1	1277C47G47	1277C47G48	1277C47G50	1277C47G49
	600	1	1277C47G51	1277C47G52	.....	.....
	800	1	1277C47G53	1277C47G54	1277C47G56	1277C47G55
	1000	1	1277C47G53	1277C47G54	1277C47G56	1277C47G55
Thermal magnetic breakers used in Option 16A, E, F (either Norm. or Emerg.). Style number is for maximum ampere rating trip unit. If smaller amp rating is required, order "similar to except" and specify correct rating. Terminals not included.	100 ^③	1	1366D65G25	1366D65G41	1366D65G56	.....
	225	1	1277C46G08	1277C46G16	1277C46G24	.....
	400	1	1277C46G28	1277C46G32	1277C46G40	1277C46G36
	600	1	1277C46G50	1277C46G60	.....	.....
	800	1	1277C46G62	1277C46G66	1277C46G74	1277C46G70
	1000	1	1277C46G64	1277C46G68	1277C46G76	1277C46G72
Non-automatic breakers used in Option 16B (either Norm. or Emerg.). Terminals not included.	100	1	1366D65G26	1366D65G42	1366D65G57	.....
	225	1	1277C47G61	1277C47G62	1277C47G63	.....
	400	1	1277C47G64	1277C47G65	1277C47G67	1277C47G66
	600	1	1277C47G68	1277C47G69	.....	.....
	800	1	1277C47G70	1277C47G71	1277C47G73	1277C47G72
	1000	1	1277C47G70	1277C47G71	1277C47G73	1277C47G72
MARK 75® breakers used in Option 17A. Refer to Westinghouse.	100	1	.....	.....	.....	.....
	225	1	.....	.....	.....	.....
	400	1	.....	.....	.....	.....
	600	1	.....	.....	.....	.....
	800	1	.....	.....	.....	.....
	1000	1	.....	.....	.....	.....

^① These styles are normally used for U.L. Listed switches only. Due to changes required to breakers for special applications and options, be sure to include the style number or shop order number to ensure that the proper device is furnished.

^② Except for 4 pole.

^③ Complete breaker assembly with 100 amp. trip.

② Changed or added since previous issue.



Circuit Breaker Renewal Parts, Continued

Description	Amp Rating	Qty. Reqd.	Style Numbers			
			2 Pole	3 Pole	4 Pole Normal	Emergency
			2, 3, 4 Poles			
Standard Terminals	100	1	.....	276A357G06 (Load Side)/766A779H01 (Line Side)Ⓢ		
	225	per	.....	672B202G01	.....	.....
	400	line/load		176C561H01Ⓢ		
	600	conn.		672B657G03		
	800			672B655G04		
	1000			672B655G04		

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