

Replacement Capabilities (Continued)

Table 13-26. Heater Selection for Types A and B Overload Relays, Sizes 3 and 4 Starters ①②③

Ambient Compensated Enclosed Starters	Non-Compensated Enclosed Starters	Heater Catalog Number
All Applications		
Full Load Current of Motor (Amperes) ①		
For Sizes 3 and 4 Starters		
12.8 – 14.1	11.9 – 13.0	FH68
14.2 – 15.5	13.1 – 14.3	FH69
15.6 – 17.1	14.4 – 15.9	FH70
17.2 – 18.9	16.0 – 17.4	FH71
19.0 – 20.8	17.5 – 19.1	FH72
20.9 – 22.9	19.2 – 21.1	FH73
23.0 – 25.2	21.2 – 23.2	FH74
25.3 – 27.8	23.3 – 25.6	FH75
27.9 – 30.6	25.7 – 28.1	FH76
30.7 – 33.5	28.2 – 30.8	FH77
33.6 – 37.5	30.9 – 34.5	FH78
37.6 – 41.5	34.6 – 38.2	FH79
41.6 – 46.3	38.3 – 42.6	FH80
46.4 – 50	42.7 – 46	FH81
51 – 55	47 – 51	FH82
56 – 61	52 – 56	FH83
62 – 66	57 – 61	FH84
67 – 73	62 – 67	FH85
74 – 78	68 – 72	FH86
79 – 84	73 – 77	FH87
85 – 92	78 – 84	FH88
—	85 – 91	FH89
For Size 4 Starters		
93 – 101	—	FH89
102 – 110	92 – 99	FH90
111 – 122	100 – 110	FH91
123 – 129	111 – 122	FH92
130 – 133	123 – 128	FH93
—	129 – 133	FH94

① Based on 60°C and 75°C wire for 30 amperes or less.

② Based on 60°C wire for 31 to 95 amperes.

③ Based on 75°C wire for greater than 95 amperes.

Note: Heaters are packaged in strips of six.
 Minimum ordering quantity is 12.

Table 13-27. Heater Selection for Types A and B Overload Relays, Sizes 5 and 6 Starters ④

Compensated Overload Relay		Heater Catalog Number
Open Starter	Enclosed Starter	
Full Load Current of Motor (Amperes)		
Size 5 (With 300/5 Current Transformers)		
—	—	FH23
118-129	118-129	FH24
130-141	130-141	FH25
142-155	142-155	FH26
156-170	156-170	FH27
171-187	171-187	FH28
188-205	188-205	FH29
206-224	206-224	FH30
225-244	225-244	FH31
245-263	245-263	FH32
264-292	264-292	FH33
293-300	—	FH34
Size 6 (With 600/5 Current Transformers)		
—	—	FH23
236-259	236-259	FH24
260-283	260-283	FH25
284-310	284-310	FH26
311-340	311-340	FH27
341-374	341-374	FH28
375-411	375-411	FH29
412-448	412-448	FH30
449-489	449-489	FH31
490-527	490-527	FH32
528-585	528-540	FH33
586-600	—	FH34
Size 7 and Larger		
Advise Full Load Current		

④ Based on 75°C wire.

Note: Heaters are packaged in strips of six.
 Minimum ordering quantity is 12.

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V201 and V200 Vacuum Contactors and Starters

Replacement Capabilities
(Continued)

V201 and V200 Vacuum
Contactors and Starters

Originally a Westinghouse Product



Size 4 Vacuum Contactors

Heater Coils

Table 13-33. Heater Coil Selection for Type B
Overload Relay

Motor Full Load Current in Amperes for Use with 3 Heaters Only		Heater Catalog Number ^①
Open Starter	Ambient Compensated Overload Relay	
Size 4 and 160 A		
12.8 – 14.1		FH68
14.2 – 15.5		FH69
15.6 – 17.1		FH70
17.2 – 18.9		FH71
19.0 – 20.8		FH72
20.9 – 22.9		FH73
23.0 – 25.2		FH74
25.3 – 27.8		FH75
27.9 – 30.6		FH76
30.7 – 33.5		FH77
33.6 – 37.5		FH78
37.6 – 41.5		FH79
41.6 – 46.3		FH80
46.4 – 50		FH81
51 – 55		FH82
56 – 61		FH83
62 – 66		FH84
67 – 73		FH85
74 – 78		FH86
79 – 84		FH87
85 – 92		FH88
93 – 101		FH89
102 – 110		FH90
111 – 122		FH91
123 – 129		FH92
130 – 133		FH93
—		FH94

Size 5 and 320 A with 300/5 Current Transformers

107 – 117	FH23
118 – 129	FH24
130 – 141	FH25
142 – 155	FH26
156 – 170	FH27
171 – 187	FH28
188 – 205	FH29
206 – 224	FH30
225 – 244	FH31
245 – 263	FH32
264 – 292	FH33
293 – 318	FH34
319 – 350	FH35

Size 6 and 540 A with 600/5 Current Transformers

236 – 259	FH24
260 – 283	FH25
284 – 310	FH26
311 – 340	FH27
341 – 374	FH28
375 – 411	FH29
412 – 448	FH30
449 – 489	FH31
490 – 527	FH32
528 – 585	FH33
586 – 600	FH34

^① Three are required per overload relay.

Replacement Coils

Table 13-34. Vacuum Contactor —
Replacement Coils

Description	Suffix	Part Number
Size 4		
110/120 Vac, 50/60 Hz	J	9085A57G01
220/240 Vac, 50/60 Hz	K	9085A57G02
380/415 Vac, 50/60 Hz	H	ID89221G07
440/480 Vac, 50/60 Hz	U	9085A57G03
Size 5		
24 Vdc	—	7874A09G07
48 Vdc	—	7874A09G08
110/120 Vac, 50/60 Hz	J	7874A09G01 ^②
220/240 Vac, 50/60 Hz	K	7874A09G04 ^③
380/415 Vac, 50/60 Hz	H	7874A09G10
440/480 Vac, 50/60 Hz	U	7874A09G05
Size 6		
110/120 Vac, 50/60 Hz	J	7874A24G01 ^②
220/240 Vac, 50/60 Hz	K	7874A24G02 ^③
380/415 Vac, 50/60 Hz	H	7874A24G07
440/480 Vac, 50/60 Hz	U	7874A24G03

^② 125 Vdc can be directly applied to the Size 5 and 6 coil rated for 120 V/60 Hz ac (cannot be applied to Size 4).

^③ 250 Vdc can be directly applied to the Size 5 and 6 coil rated for 240 V/60 Hz ac (cannot be applied to Size 4).