

June 2008

Aftermarket Solutions, Ref. No. [271]

Freedom (NEMA)

Replacement Capabilities — NEMA Sizes 00, 0, 1, 2 and 3

Table 13-35. NEMA Sizes 00 and 0 — See Contactor/Starter Nameplate to Determine Series A1, B1 or C1

Description	NEMA Size 00-0	NEMA Size 00			NEMA Size 0
	Series A1	Series B1	Series C1	Series B1	Series C1
	Part Number	Part Number	Part Number	Part Number	Part Number
Renewal Parts Publication Number	None	None	None	None	None

Contact Kits

2-Pole	①	①	①	①	①
3-Pole	①	①	①	①	①
4-Pole	①	①	①	①	①
5-Pole	①	①	①	①	①

Magnet Coils

Coil Suffix

120 V 60 Hz or 110 V 50 Hz	A	9-2650-1	9-2875-1	9-2875-1	9-2876-1	9-2876-1
240 V 60 Hz or 220 V 50 Hz	B	9-2650-2	9-2875-2	9-2875-2	9-2876-2	9-2876-2
480 V 60 Hz or 440 V 50 Hz	C	9-2650-3	9-2875-3	9-2875-3	9-2876-3	9-2876-3
600 V 60 Hz or 550 V 50 Hz	D	9-2650-4	9-2875-4	9-2875-4	9-2876-4	9-2876-4
208 V 60 Hz	E	9-2650-5	9-2875-5	9-2875-5	9-2876-5	9-2876-5
277 V 60 Hz	H	9-2650-13	9-2875-12	9-2875-12	9-2876-12	9-2876-12
208/240 V 60 Hz	J	—	9-2875-37	9-2875-37	9-2876-17	9-2876-17
240 V 50 Hz	K	9-2650-12	9-2875-11	9-2875-11	9-2876-11	9-2876-11
380 – 415 V 50 Hz	L	9-2650-6	9-2875-6	9-2875-6	9-2876-6	9-2876-6
380 V 50 Hz	L	—	—	—	—	—
415 V 50 Hz	M	—	—	—	—	—
550 V 50 Hz	N	—	—	—	—	—
24 V 60 Hz – 24 V 50 Hz	T	—	9-2875-36	9-2875-36	9-2876-36	9-2876-36
24 V 60 Hz	T	9-2650-7	—	—	—	—
24 V 50 Hz	U	9-2650-14	9-2875-36	9-2875-36	9-2876-36	9-2876-36
32 V 50 Hz	V	9-2650-9	9-2875-16	9-2875-16	9-2876-16	9-2876-16
48 V 60 Hz	W	9-2650-8	9-2875-8	9-2875-8	9-2876-8	9-2876-8
48 V 50 Hz	Y	9-2650-10	9-2875-9	9-2875-9	9-2876-9	9-2876-9

Magnet Frame Armature

Lower Magnet Frame	①	①	①	①	①
Upper Magnet Frame	①	①	①	①	①

① Replace with complete contactor.

Table 13-36. NEMA Sizes 1, 2 and 3 — See Contactor/Starter Nameplate to Determine Series A1 or B1

Description	NEMA Size 1		NEMA Size 2		NEMA Size 3
	Series A1	Series B1	Series A1	Series B1	
	Part Number	Part Number	Part Number	Part Number	Part Number
Renewal Parts Publication Number	20861	22177	20861	22177	20426

Contact Kits

2-Pole	6-65	6-65	6-65-7	6-65-7	6-43-5
3-Pole	6-65-2	6-65-2	6-65-8	6-65-8	6-43-6
4-Pole	6-65-9	6-65-9	6-65-15	6-65-15	—
5-Pole	6-65-10	6-65-10	6-65-16	6-65-16	—

Magnet Coils

Coil Suffix

120 V 60 Hz or 110 V 50 Hz	A	9-2703-1	9-2703-1	9-2703-1	9-2703-1	9-2756-1
240 V 60 Hz or 220 V 50 Hz	B	9-2703-2	9-2703-2	9-2703-2	9-2703-2	9-2756-2
480 V 60 Hz or 440 V 50 Hz	C	9-2703-3	9-2703-3	9-2703-3	9-2703-3	9-2756-3
600 V 60 Hz or 550 V 50 Hz	D	9-2703-4	9-2703-4	9-2703-4	9-2703-4	9-2756-4
208 V 60 Hz	E	9-2703-9	9-2703-9	9-2703-9	9-2703-9	9-2756-5
277 V 60 Hz	H	9-2703-7	9-2703-7	9-2703-7	9-2703-7	9-2756-9
208/240 V 60 Hz	J	—	—	—	—	—
240 V 50 Hz	K	9-2703-14	9-2703-14	9-2703-14	9-2703-14	9-2756-13
380 – 415 V 50 Hz	L	9-2703-8	9-2703-8	9-2703-8	9-2703-8	—
380 V 50 Hz	L	—	—	—	—	9-2756-12
415 V 50 Hz	M	—	—	—	—	9-2756-8
550 V 50 Hz	N	—	—	—	—	9-2756-14
24 V 60 Hz – 24 V 50 Hz	T	—	—	—	—	—
24 V 60 Hz	T	9-2703-6	9-2703-6	9-2703-6	9-2703-6	9-2756-6
24 V 50 Hz	U	9-2703-12	9-2703-12	9-2703-12	9-2703-12	9-2756-11
32 V 50 Hz	V	9-2703-10	9-2703-10	9-2703-10	9-2703-10	9-2756-10
48 V 60 Hz	W	9-2703-11	9-2703-11	9-2703-11	9-2703-11	9-2756-15
48 V 50 Hz	Y	9-2703-13	9-2703-13	9-2703-13	9-2703-13	9-2756-7

Magnet Frame Armature

Lower Magnet Frame	17-18200	17-18200	17-18200	17-18200	17-8955-2
Upper Magnet Frame	48-1936	48-1936	48-1936	48-1936	48-1902

Replacement Capabilities (Continued) — NEMA Sizes 4, 5 and 6

Table 13-37. NEMA Sizes 4, 5 and 6 — See Contactor/Starter Nameplate to Determine Series A1 or B1

Description	NEMA Size 4		NEMA Size 5		NEMA Size 6		
	Series A1	Series B1	Series A1	Series B1	Series A1	Series B1	
	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number	
Renewal Parts Publication Number	20428	20428	20429	20429	20146	20146	
Contact Kits							
2-Pole 3-Pole	6-44 6-44-2	6-26 6-26-2	6-45 6-45-2	6-45 6-45-2	6-601-2 6-601	6-648	
Magnet Coils							
	Coil Suffix						
120 V 60 Hz or 110 V 50 Hz	A	9-1891-1	9-1891-1	9-1891-1	9-1891-1	9-2698	9-2698
240 V 60 Hz or 220 V 50 Hz	B	9-1891-2	9-1891-2	9-1891-2	9-1891-2	9-2698-2	9-2698-2
480 V 60 Hz or 440 V 50 Hz	C	9-1891-3	9-1891-3	9-1891-3	9-1891-3	9-2698-3	9-2698-3
600 V 60 Hz or 550 V 50 Hz	D	9-1891-4	9-1891-4	9-1891-4	9-1891-4	9-2698-4	9-2698-4
208 V 60 Hz	E	9-1891-13	9-1891-13	9-1891-13	9-1891-13	9-2698-5	9-2698-5
277 V 60 Hz	H	9-1891-26	9-1891-26	9-1891-26	9-1891-26	—	—
208/240 V 60 Hz	J	—	—	—	—	—	—
240 V 50 Hz	K	9-1891-20	9-1891-20	9-1891-20	9-1891-20	—	—
380 – 415 V 50 Hz	L	—	—	—	—	9-2698-6	9-2698-6
380 V 50 Hz	L	9-1891-14	9-1891-14	9-1891-14	9-1891-14	—	—
415 V 50 Hz	M	9-1891-21	9-1891-21	9-1891-21	9-1891-21	—	—
550 V 50 Hz	N	9-1891-8	9-1891-8	9-1891-8	9-1891-8	—	—
24 V 60 Hz – 24 V 50 Hz	T	—	—	—	—	—	—
24 V 60 Hz	T	9-1891-15	9-1891-15	9-1891-15	9-1891-15	—	—
24 V 50 Hz	U	9-1891-16	9-1891-16	9-1891-16	9-1891-16	—	—
32 V 50 Hz	V	9-1891-27	9-1891-27	9-1891-27	9-1891-27	—	—
48 V 60 Hz	W	—	—	—	—	9-2698-8	9-2698-8
48 V 50 Hz	Y	9-1891-18	9-1891-18	9-1891-18	9-1891-18	—	—
Overload Relays							
For Replacement on Existing Starters 3-Pole — Ambient Compensated Bimetallic	10-6530-4	10-6530-4	C306DN3B	C306DN3B	C306DN3B	C306DN3B	
Current Transformer							
For Replacement on Existing Starters Only	—	—	42-3564	42-3564	42-3598	42-3598	
Magnet Frame Armature							
Lower Magnet Frame	48-1030-2	48-1030-2	48-1030-2	48-1030-2	—	—	
Upper Magnet Frame	48-1029-4	48-1029-4	48-1029-4	48-1029-4	—	—	

June 2008

Aftermarket Solutions, Ref. No. [273]

Freedom (NEMA)

Replacement Capabilities (Continued) — NEMA Sizes 7 and 8

Table 13-38. NEMA Sizes 7 and 8 — See Contactor/Starter Nameplate to Determine Series A1 or B1

Description	NEMA Size 7		NEMA Size 8	
	Series A1	Series B1	Series A1	Series B1
	Part Number	Part Number	Part Number	Part Number
Renewal Parts Publication Number	20848	20848	20849	20849
Contact Kits				
2-Pole	—	—	—	—
3-Pole	6-613	6-613	6-571	6-571
Magnet Coils				
	Coil Suffix			
120 V 60 Hz or 110 V 50 Hz	A	9-2698	9-2698	9-2654
240 V 60 Hz or 220 V 50 Hz	B	9-2698-2	9-2698-2	9-2654-2
480 V 60 Hz or 440 V 50 Hz	C	9-2698-3	9-2698-3	9-2654-3
600 V 60 Hz or 550 V 50 Hz	D	9-2698-4	9-2698-4	9-2654-4
208 V 60 Hz	E	9-2698-5	9-2698-5	9-2654-6
277 V 60 Hz	H	—	—	—
208/240 V 60 Hz	J	—	—	—
240 V 50 Hz	K	—	—	—
380 – 415 V 50 Hz	L	—	—	—
380 V 50 Hz	L	9-2698-6	9-2698-6	9-2654-5
415 V 50 Hz	M	—	—	—
550 V 50 Hz	N	—	—	—
24 V 60 Hz – 24 V 50 Hz	T	—	—	—
24 V 60 Hz	T	—	—	—
24 V 50 Hz	U	—	—	—
32 V 50 Hz	V	—	—	—
48 V 60 Hz	W	—	—	—
48 V 50 Hz	Y	—	—	—
Overload Relays				
For Replacement on Existing Starters 3-Pole — Ambient Compensated Bimetallic	C306DN3B	C306DN3B	C306DN3B	C306DN3B
Magnet Frame Armature ^①				
Lower Magnet Frame	—	—	—	—
Upper Magnet Frame	—	—	—	—

^① Contact Standard Open Control Aftermarket at 1-800-535-8992 for assistance.

Replacement Capabilities (Continued) — IEC Sizes A – F

Table 13-39. IEC Sizes A – F — See Contactor/Starter Nameplate to Determine Series A1, B1 or C1

Description	IEC Sizes A – F		IEC Sizes A – C ①			IEC Sizes D – F ①	
	Series A1	Series B1	Series C1	Series B1	Series C1		
	Part Number	Part Number	Part Number	Part Number	Part Number		
Renewal Parts Publication Number	None	None	None	None	None		
Contact Kits							
2-Pole	②	②	②	②	②		
3-Pole	②	②	②	②	②		
4-Pole	②	②	②	②	②		
5-Pole	②	②	②	②	②		
Magnet Coils							
Coil Suffix							
120 V 60 Hz or 110 V 50 Hz	A	9-2650-1	9-2875-1	9-2875-1	9-2876-1	9-2876-1	
240 V 60 Hz or 220 V 50 Hz	B	9-2650-2	9-2875-2	9-2875-2	9-2876-2	9-2876-2	
480 V 60 Hz or 440 V 50 Hz	C	9-2650-3	9-2875-3	9-2875-3	9-2876-3	9-2876-3	
600 V 60 Hz or 550 V 50 Hz	D	9-2650-4	9-2875-4	9-2875-4	9-2876-4	9-2876-4	
208 V 60 Hz	E	9-2650-5	9-2875-5	9-2875-5	9-2876-5	9-2876-5	
277 V 60 Hz	H	9-2650-13	9-2875-12	9-2875-12	9-2876-12	9-2876-12	
208/240 V 60 Hz	J	—	9-2875-37	9-2875-37	9-2876-37	9-2876-37	
240 V 50 Hz	K	9-2650-12	9-2875-11	9-2875-11	9-2876-11	9-2876-11	
380 – 415 V 50 Hz	L	9-2650-6	9-2875-6	9-2875-6	9-2876-6	9-2876-6	
24 V 60 Hz – 24 V 50 Hz	T	—	9-2875-36	9-2875-36	9-2876-36	9-2876-36	
24 V 60 Hz	T	9-2650-7	—	—	—	—	
24 V 50 Hz	U	9-2650-14	9-2875-13	9-2875-13	9-2876-13	9-2876-13	
32 V 50 Hz	V	9-2650-9	9-2875-16	9-2875-16	9-2876-16	9-2876-16	
48 V 60 Hz	W	9-2650-8	9-2875-8	9-2875-8	9-2876-8	9-2876-8	
48 V 50 Hz	Y	9-2650-10	9-2875-9	9-2875-9	9-2876-9	9-2876-9	
Overload Relays							
For Replacement on Existing Starters: 3-Pole — Ambient Compensated Bimetallic	C306DN3B	C306DN3B	C306DN3B	C306DN3B	C306DN3B		
Current Transformer							
Transformer	—	—	—	—	—		
Magnet Frame Armature							
Lower Magnet Frame	②	②	②	②	②		
Upper Magnet Frame	②	②	②	②	②		

① Non-encapsulated coils.

② Replace with complete contactor.

June 2008

Aftermarket Solutions, Ref. No. [275]

Freedom (IEC)

Replacement Capabilities (Continued) — IEC Sizes G and H

Table 13-40. IEC Sizes G and H — See Contactor/Starter Nameplate to Determine Series A1 and B1

Description	NEMA Size G		NEMA Size H	
	Series A1	Series B1	Series A1	Series B1
	Part Number	Part Number	Part Number	Part Number
Renewal Parts Publication Number	20862	22178	20862	22178
Contact Kits				
2-Pole	6-65-3	6-65-3	6-65-5	6-65-5
3-Pole	6-65-4	6-65-4	6-65-6	6-65-6
4-Pole	6-65-11	6-65-11	6-65-13	6-65-13
5-Pole	6-65-12	6-65-12	6-65-14	6-65-14
Magnet Coils				
Coil Suffix				
120 V 60 Hz or 110 V 50 Hz	A	9-2703-1	9-2703-1	9-2703-1
240 V 60 Hz or 220 V 50 Hz	B	9-2703-2	9-2703-2	9-2703-2
480 V 60 Hz or 440 V 50 Hz	C	9-2703-3	9-2703-3	9-2703-3
600 V 60 Hz or 550 V 50 Hz	D	9-2703-4	9-2703-4	9-2703-4
208 V 60 Hz	E	9-2703-9	9-2703-9	9-2703-9
277 V 60 Hz	H	9-2703-7	9-2703-7	9-2703-7
240 V 50 Hz	K	9-2703-14	9-2703-14	9-2703-14
380 – 415 V 50 Hz	L	9-2703-8	9-2703-8	9-2703-8
24 V 60 Hz – 24 V 50 Hz	T	—	—	—
24 V 60 Hz	T	9-2703-6	9-2703-6	9-2703-6
24 V 50 Hz	U	9-2703-12	9-2703-12	9-2703-12
32 V 50 Hz	V	9-2703-10	9-2703-10	9-2703-10
48 V 60 Hz	W	9-2703-11	9-2703-11	9-2703-11
48 V 50 Hz	Y	9-2703-13	9-2703-13	9-2703-13
Overload Relays				
For Replacement on Existing Starters: 3-Pole — Ambient Compensated Bimetallic	C306DN3B	C306DN3B	C306DN3B	C306DN3B
Current Transformer				
Transformer	—	—	—	—
Magnet Frame Armature				
Lower Magnet Frame	17-18200	17-18200	17-18200	17-18200
Upper Magnet Frame	48-1936	48-1936	48-1936	48-1936

Replacement Capabilities (Continued) — IEC Sizes J and K

Table 13-41. IEC Sizes J and K — See Contactor/Starter Nameplate to Determine Series A1 and B1

Description	NEMA Size J		NEMA Size K	
	Series A1	Series B1	Series A1	Series B1
	Part Number	Part Number	Part Number	Part Number
Renewal Parts Publication Number	20862	22178	20862	22178
Contact Kits				
2-Pole	6-65-7	6-65-7	6-65-18	6-65-18
3-Pole	6-65-8	6-65-8	6-65-17	6-65-17
4-Pole	6-65-15	6-65-15	—	—
5-Pole	6-65-16	6-65-16	—	—
Magnet Coils				
	Coil Suffix			
120 V 60 Hz or 110 V 50 Hz	A	9-2703-1	9-2703-1	9-2703-1
240 V 60 Hz or 220 V 50 Hz	B	9-2703-2	9-2703-2	9-2703-2
480 V 60 Hz or 440 V 50 Hz	C	9-2703-3	9-2703-3	9-2703-3
600 V 60 Hz or 550 V 50 Hz	D	9-2703-4	9-2703-4	9-2703-4
208 V 60 Hz	E	9-2703-9	9-2703-9	9-2703-9
277 V 60 Hz	H	9-2703-7	9-2703-7	9-2703-7
240 V 50 Hz	K	9-2703-14	9-2703-14	9-2703-14
380 – 415 V 50 Hz	L	9-2703-8	9-2703-8	9-2703-8
24 V 60 Hz – 24 V 50 Hz	T	—	—	—
24 V 60 Hz	T	9-2703-6	9-2703-6	9-2703-6
24 V 50 Hz	U	9-2703-12	9-2703-12	9-2703-12
32 V 50 Hz	V	9-2703-10	9-2703-10	9-2703-10
48 V 60 Hz	W	9-2703-11	9-2703-11	9-2703-11
48 V 50 Hz	Y	9-2703-13	9-2703-13	9-2703-13
Overload Relays				
For Replacement on Existing Starters: 3-Pole — Ambient Compensated Bimetallic	C306GN3B	C306GN3B	C306GN3B	C306GN3B
Current Transformer				
Transformer	—	—	—	—
Magnet Frame Armature				
Lower Magnet Frame	17-18200	17-18200	17-18200	17-18200
Upper Magnet Frame	48-1936	48-1936	48-1936	48-1936

June 2008
Aftermarket Solutions, Ref. No. [277]

Freedom (IEC)

Replacement Capabilities (Continued) — IEC Sizes L, M and N

Table 13-42. IEC Sizes L, M and N

Description	IEC Size L		IEC Size M	IEC Size N
	Part Number		Part Number	Part Number
Renewal Parts Publication Number	20427		20427	20427
Contact Kits				
2-Pole	6-43-3	6-43	6-43-5	
3-Pole	6-43-4	6-43-2	6-43-6	
4-Pole	—	—	—	
5-Pole	—	—	—	
Magnet Coils				
	Coil Suffix			
120 V 60 Hz or 110 V 50 Hz	A	9-2756-1	9-2756-1	
240 V 60 Hz or 220 V 50 Hz	B	9-2756-2	9-2756-2	
480 V 60 Hz or 440 V 50 Hz	C	9-2756-3	9-2756-3	
600 V 60 Hz or 550 V 50 Hz	D	9-2756-4	9-2756-4	
208 V 60 Hz	E	9-2756-5	9-2756-5	
277 V 60 Hz	H	9-2756-9	9-2756-9	
240 V 50 Hz	K	9-2756-13	9-2756-13	
380 – 415 V 50 Hz	L	—	—	
380 V 50 Hz	L	9-2756-12	9-2756-12	
415 V 50 Hz	M	9-2756-8	9-2756-8	
550 V 50 Hz	N	9-2756-14	9-2756-14	
24 V 60 Hz – 24 V 50 Hz	T	—	—	
24 V 60 Hz	T	9-2756-6	9-2756-6	
24 V 50 Hz	U	9-2756-11	9-2756-11	
32 V 50 Hz	V	9-2756-10	9-2756-10	
48 V 60 Hz	W	9-2756-15	9-2756-15	
48 V 50 Hz	Y	9-2756-7	9-2756-7	
Overload Relays				
For Replacement on Existing Starters				
3-Pole — Ambient Compensated Bimetallic	10-6530	10-6530-2	10-6530-3	
Current Transformer				
Transformer	—	—	—	
Magnet Frame Armature				
Lower Magnet Frame	17-8955-2	17-8955-2	17-8955-2	
Upper Magnet Frame	48-1902	48-1902	48-1902	

Replacement Capabilities (Continued) — IEC Sizes P, R, S, T, U and V

Table 13-43. IEC Sizes P, R and S

Description		IEC Size P	IEC Size R	IEC Size S
		Part Number	Part Number	Part Number
Renewal Parts Publication Number		22278	22278	22278
Contact Kits	Size	6-294	6-288	6-286
Magnet Coils		Coil Suffix		
120 V 60 Hz or 110 V 50 Hz	A	9-1891-1	9-1891-1	9-1891-1
200 V 50 Hz or 118 V 60 Hz	E	—	—	—
240 V 60 Hz or 220 V 50 Hz	B	9-1891-2	9-1891-2	9-1891-2
254 V 50 Hz or 277 V 60 Hz	H	—	—	—
380 V 50 Hz or 415 V 60 Hz	L	—	—	—
480 V 60 Hz or 440 V 50 Hz	C	9-1891-3	9-1891-3	9-1891-3
600 V 60 Hz or 550 V 50 Hz	D	9-1891-4	9-1891-4	9-1891-4
208 V 60 Hz	E	9-1891-13	9-1891-13	9-1891-13
277 V 60 Hz	H	9-1891-26	9-1891-26	9-1891-26
240 V 50 Hz	K	9-1891-20	9-1891-20	9-1891-20
380 V 50 Hz	L	9-1891-14	9-1891-14	9-1891-14
415 V 50 Hz	M	9-1891-21	9-1891-21	9-1891-21
24 V 60 Hz	T	9-1891-15	9-1891-15	9-1891-15

Overload Relays

Reference C316 Overload Relays

Magnet Frame Armature

Lower Magnet Frame	48-1030-2	48-1030-2	48-1030-2
Upper Magnet Frame	48-1029-4	48-1029-4	48-1029-4

Table 13-44. IEC Size T, U and V

Description		IEC Size T	IEC Size U	IEC Size V
		Part Number	Part Number	Part Number
Renewal Parts Publication Number		22275	22276	22586
Contact Kits	Size	6-621	6-622	6-601
Magnet Coils		Coil Suffix		
120 V 60 Hz or 110 V 50 Hz	A	9-3006	9-3006	9-2698
200 V 50 Hz or 118 V 60 Hz	E	9-3006-5	9-3006-5	—
240 V 60 Hz or 220 V 50 Hz	B	9-3006-2	9-3006-2	9-2698-2
254 V 50 Hz or 277 V 60 Hz	H	9-3006-6	9-3006-6	9-2698-2
380 V 50 Hz or 415 V 60 Hz	L	9-3006-7	9-3006-7	9-2698-6
480 V 60 Hz or 440 V 50 Hz	C	9-3006-3	9-3006-3	9-2698-3
600 V 60 Hz or 550 V 50 Hz	D	9-3006-4	9-3006-4	9-2698-4
208 V 60 Hz	E	—	—	9-2698-5
277 V 60 Hz	H	—	—	—
240 V 50 Hz	K	—	—	—
380 V 50 Hz	L	—	—	—
415 V 50 Hz	M	—	—	—
24 V 60 Hz	T	—	—	—

Overload Relays

Reference C316 Overload Relays

Magnet Frame Armature

Lower Magnet Frame	—	—	—
Upper Magnet Frame	—	—	—

Technology Upgrades

This product currently listed in **Section 34** of the *Electrical Control Products and Services Catalog*.