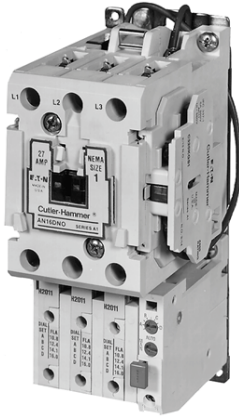


**Freedom Series—
NEMA and IEC**
*Originally a Cutler-Hammer
Product*



Freedom

Product Description

The Cutler-Hammer Freedom Series starters and contactors feature a compact space-saving design using state-of-the-art technology and the latest in high strength, impact and temperature-resistant insulating materials. Starters and contactors are available in two rating/configuration styles—NEMA (National Electrical Manufacturers Association) and IEC (International Electrotechnical Commission). The NEMA devices are sized based on traditional NEMA classifications and the IEC devices on international ratings. Internationally rated starters and contactors, as compared to NEMA devices, generally are physically downsized to provide higher ratings in a smaller package.

Product History Time Line for Freedom CN15 and AN15

NEMA Size	Series	1986	1988	1990	1992	1994	1996	1998	2000	Present	
Size 00	A1	█									
	B1			█							
Size 0	A1	█									
	B1			█							
Size 1	A1	█									
	B1			█							
Size 2	A1	█									
	B1						█				
Size 3	A1		█								
Size 4	A1		█								
	B1						█				
Size 5	A1		█								
Size 6	A1		█								
	B1						█				
Size 7	A1			█							
Size 8	A1			█							

Note: See contactor/starter nameplate to determine Series A1, B1 or C1.

NEMA Sizes 4, 5 and 6—See Contactor/Starter Nameplate to Determine Series A1 or B1

Description		NEMA Size 4 Series A1 Part Number	NEMA Size 4 Series B1 Part Number	NEMA Size 5 Series A1 Part Number	NEMA Size 5 Series B1 Part Number	NEMA Size 6 Series A1 Part Number	NEMA Size 6 Series B1 Part Number
Renewal Parts Publication Number		20428	20428	20429	20429	20146	20146
Contact Kits							
Two-pole		6-44	6-26	6-45	6-45	6-601-2	6-648
Three-pole		6-44-2	6-26-2	6-45-2	6-45-2	6-601	—
Magnet Coils							
	Coil Suffix						
120V, 60 Hz or 110V, 50 Hz	A	9-1891-1	9-1891-1	9-1891-1	9-1891-1	9-2698	9-2698
240V, 60 Hz or 220V, 50 Hz	B	9-1891-2	9-1891-2	9-1891-2	9-1891-2	9-2698-2	9-2698-2
480V, 60 Hz or 440V, 50 Hz	C	9-1891-3	9-1891-3	9-1891-3	9-1891-3	9-2698-3	9-2698-3
600V, 60 Hz or 550V, 50 Hz	D	9-1891-4	9-1891-4	9-1891-4	9-1891-4	9-2698-4	9-2698-4
208V, 60 Hz	E	9-1891-13	9-1891-13	9-1891-13	9-1891-13	9-2698-5	9-2698-5
277V, 60 Hz	H	9-1891-26	9-1891-26	9-1891-26	9-1891-26	—	—
208/240V, 60 Hz	J	—	—	—	—	—	—
240V, 50 Hz	K	9-1891-20	9-1891-20	9-1891-20	9-1891-20	—	—
380–415V, 50 Hz	L	—	—	—	—	9-2698-6	9-2698-6
380V, 50 Hz	L	9-1891-14	9-1891-14	9-1891-14	9-1891-14	—	—
415V, 50 Hz	M	9-1891-21	9-1891-21	9-1891-21	9-1891-21	—	—
550V, 50 Hz	N	9-1891-8	9-1891-8	9-1891-8	9-1891-8	—	—
24V, 60 Hz–24V, 50 Hz	T	—	—	—	—	—	—
24V, 60 Hz	T	9-1891-15	9-1891-15	9-1891-15	9-1891-15	—	—
24V, 50 Hz	U	9-1891-16	9-1891-16	9-1891-16	9-1891-16	—	—
32V, 50 Hz	V	9-1891-27	9-1891-27	9-1891-27	9-1891-27	—	—
48V, 60 Hz	W	—	—	—	—	9-2698-8	9-2698-8
48V, 50 Hz	Y	9-1891-18	9-1891-18	9-1891-18	9-1891-18	—	—
Overload Relays							
For replacement on existing starters three-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	—	—

Renewal Parts

Renewal Contact Kits for C25 Definite Purpose Contactors

- Replace complete contactor for:
 - C25A_
 - C25B_
 - C25C_
 - C25D_

Renewal Contact Kits for C25 Definite Purpose Contactors

Catalog Number	Single-Pole Kit	Two-Pole Kit	Three-Pole Kit
	Part Number	Part Number	Part Number
C25FNF250	—	6-65-5	—
C25FNF350	—	—	6-65-6
C25FNF260	—	6-65-7	—
C25FNF360	—	—	6-65-8
C25FNF275	—	6-65-20	—
C25FNF375	—	—	6-65-19
C25GNF290	—	—	—
C25GNF390	—	—	—
C25HNE3120	—	—	6-43-6
C25KNE3200	—	—	6-288
C25KNE3300	—	—	6-286
C25LNE3360	—	—	6-45-2

Product Selection

AC Coils

AC Coil Voltage	Frequency	Coil Suffix	Part Number
15, 25, 30 and 40A—Two- and Three-Pole (Series D1 and E1)			
12	60	R	9-3185-5
24		T	9-3185-6
110/120		A	9-3185-1
208/240		B	9-3185-2
220/240	60	J	9-3185-10
440/480		C	9-3185-3
550/600		D	9-3185-4
277		H	9-3185-7
380/415	50	L	9-3185-8
15, 25, 30 and 40A—Two- and Three-Pole (Series C1)			
12	60	R	9-3125-5
24		T	9-3125-6
104/120		A	9-3125-1
208/240	50	B	9-3125-2
440/480		C	9-3125-3
550/600		D	9-3125-4
277	60	H	9-3125-8
380/415	50	L	9-3125-8
15, 25, 30 and 40A—Two- and Three-Pole (Series D1 and E1)			
12	60	R	9-3252-5
24		T	9-3252-6
110/120		A	9-3252-1
208/240		B	9-3252-2
220/240	60	J	9-3252-10
440/480		C	9-3252-3
550/600		D	9-3252-4
277		H	9-3252-7
380/415	50	L	9-3252-8
50A—Two- and Three-Pole (Series D1 and E1)			
12	60	R	9-3186-5
24		T	9-3186-6
110/120		A	9-3186-1
208/240		B	9-3186-2
220/240	60	J	9-3186-10
440/480		C	9-3186-3
550/600		D	9-3186-4
277		H	9-3186-7
380/415	50	L	9-3186-8