

## Product History



**Freedom**

The Cutler-Hammer line of contactors and starters dates back to the early 1920s in Milwaukee, WI. Changes in coil construction, making the first moisture-proof vacuum with impregnated coils, were innovations in this line of contactors and starters manufactured before the 3-Star line (now known as the Pre 3-Star). Eutectic alloy overloads were used later in this design with the design change to the 3-Star line. A few of the new features of the 3-Star line of contactors and starters were the first standard three-coil overload relays, new molding compounds, new metals and cast resin coils.



**A200**

The Type F magnetic contactor is the first magnetically controlled contactor in our Westinghouse® records. It was open in design, simple in construction and was state-of-the-art due to its magnetically controlled armature. The Type F contactor was replaced by the DE-ION® contactor, which featured the Westinghouse trademark DE-ION arc quenching. The DE-ION was followed by the Type DN, Type N and the Type A, today known as the A200. The Type B was developed in the late 1970s and was obsoleted two or three years later. The A200 open control is still a current offering. Prior to 1985, some of the larger sizes (5–9) were known as GCA and GCD.

The Citation line of contactors and starters was introduced in 1968 with many new features: the new CI non-wearing totally enclosed permanent air gap magnet structure; dual wound magnet coil with plug-in feature; color coded, twin break dust-safe contacts; and straight-through wiring. Although the Citation line was obsoleted in 1997, replacement contact kits, magnet coils and heater coils will continue to be available.

Today, the Freedom™ contactor, launched in 1986, is the flagship NEMA offering while **XT** is the IEC offering.

Replacement Capabilities

Replacement Capabilities—Contacts and Coils

Description	Coil Suffix	Style and Part Numbers									
		Size 00 Series A1 ①	Size 00 Series B1	Size 00 Series C1	Size 00 Series D1	Size 0	Size 1	Size 2 Series A1	Size 2 Series B1	Size 3 Series A1	Size 3 Series B1
<b>Contact Kits</b>											
Part number on contactor or starter nameplate											
Two-pole without interlock	—	6-21	②	②	②	6-22	6-23	6-24	6-34	6-25	6-35
Three-pole without interlock	—	6-21-2	②	②	②	6-22-2	6-23-2	6-24-2	6-34-2	6-25-2	6-35-2
Three-pole with interlock	—	6-21-3	②	②	—	—	—	—	—	—	—
Four-pole without interlock	—	—	—	—	—	6-22-3	6-23-3	—	6-34-3	—	—
Five-pole without interlock	—	—	—	—	—	6-22-4	6-23-4	—	6-34-4	—	—
<b>Magnet Coils</b>											
120V, 60 Hz or 110V, 50 Hz	A	9-1945-1	9-2183-1	9-2650-1	9-2823-1	9-1887-1	9-1887-1	9-1889-1	9-2526-1	9-1891-1	9-1889-1
240V, 60 Hz or 220V, 50 Hz	B	9-1945-2	9-2183-2	9-2650-2	9-2823-2	9-1887-2	9-1887-2	9-1889-2	9-2526-2	9-1891-2	9-1889-2
480V, 60 Hz or 440V, 50 Hz	C	9-1945-3	9-2183-5	9-2650-3	9-2823-3	9-1887-3	9-1887-3	9-1889-3	9-2526-3	9-1891-3	9-1889-3
600V, 60 Hz or 550V, 50 Hz	D	9-1945-4	9-2183-19	9-2650-4	9-2823-4	9-1887-4	9-1887-4	9-1889-4	9-2526-4	9-1891-4	9-1889-4
208V, 60 Hz	E	9-1945-5	9-2183-17	9-2650-5	9-2823-5	9-1887-5	9-1887-5	9-1889-13	9-2526-5	9-1891-13	9-1889-13
24V, 60 Hz	T	9-1945-8	9-2183-16	9-2650-7	9-2823-18	9-1887-7	9-1887-7	9-1889-20	9-2526-6	9-1891-15	9-1889-20
380V, 50 Hz	L	9-1945-6	9-2183-3	9-2650-6	9-2421-18 ③	9-1887-8	9-1887-8	9-1889-14	9-2526-7	9-1891-14	9-1889-14
277V, 60 Hz	H	9-1945-16	9-2183-18	9-2650-13	9-2823-12 9-2823-17	9-1887-16	9-1887-16	9-1889-31	9-2526-15	9-1891-26	9-1889-31
120 Vdc ④	A1	—	—	—	—	9-2024-2	9-2024-2	9-2025-2	9-2626-2	9-2026-2	9-2025-2
240 Vdc ④	B1	—	—	—	—	9-2024-1	9-2024-1	9-2025-1	9-2626-1	9-2026-1	9-2025-1
24 Vdc ④	T1	—	—	—	—	9-2024-4	9-2024-4	9-2025-4	9-2626-4	9-2026-4	9-2025-4
48 Vdc ④	W1	—	—	—	—	9-2024-3	9-2024-3	9-2025-3	9-2626-3	9-2026-3	9-2025-3

Replacement Capabilities—Contacts and Coils, continued

Description	Coil Suffix	Style and Part Numbers									
		Size 4 Series A1	Size 4 Series B1	Size 5	Size 6 Series A1	Size 6 Series B1	Size 6 Series C1	Size 7 Series A1	Size 7 Series B1	Size 8 Series A1	Size 8 Series B1
<b>Contact Kits</b>											
Part number on contactor or starter nameplate											
Two-pole	—	6-26	6-36-3	6-27	6-28	—	6-601-2	6-28	—	—	—
Three-pole	—	6-26-2	6-36-4	6-27-2	6-28-2	6-570	6-601	6-28-2	6-570	646C829G05	6-571
<b>Magnet Coils</b>											
120V, 60 Hz or 110V, 50 Hz	A	9-1891-1	9-1891-1	9-1891-1	9-1875-1	9-2651	9-2698	9-1875-1	9-2651	438C805G12	9-2654
240V, 60 Hz or 220V, 50 Hz	B	9-1891-2	9-1891-2	9-1891-2	9-1875-2	9-2651-2	9-2698-2	9-1875-2	9-2651-2	438C805G11	9-2654-2
480V, 60 Hz or 440V, 50 Hz	C	9-1891-3	9-1891-3	9-1891-3	9-1875-3	9-2651-3	9-2698-3	9-1875-3	9-2651-3	438C805G10	9-2654-3
600V, 60 Hz or 550V, 50 Hz	D	9-1891-4	9-1891-4	9-1891-4	9-1875-4	9-2651-4	9-2698-4	9-1875-4	9-2651-4	—	9-2654-4
208V, 60 Hz	E	9-1891-13	9-1891-13	9-1891-13	9-1875-14	9-2651-6	9-2698-5	9-1875-14	9-2651-6	438C805G11	9-2654-6
24V, 60 Hz	T	9-1891-15	9-1891-15	9-1891-15	—	—	—	—	—	—	—
380V, 50 Hz	L	9-1891-14	9-1891-14	9-1891-14	—	9-2651-5	9-2698-6	—	9-2651-5	438C805G15	9-2654-5
277V, 60 Hz	H	9-1891-26	9-1891-26	9-1891-26	—	—	—	—	—	—	—
120 Vdc ④	A1	9-2026-2	9-2026-2	9-2026-2	—	—	—	—	—	—	—
240 Vdc ④	B1	9-2026-1	9-2026-1	9-2026-1	—	—	—	—	—	—	—
24 Vdc ④	T1	9-2026-4	9-2026-4	9-2026-4	—	—	—	—	—	—	—
48 Vdc ④	W1	9-2026-3	9-2026-3	9-2026-3	—	—	—	—	—	—	—

Notes

- ① Citation overload relays are no longer available. A Freedom overload may be an option. Contact Control Aftermarket at 1-800-535-8992.
- ② Replace complete contactor.
- ③ Non-encapsulated coil.
- ④ For use in existing DC operated devices. Not for conversion of existing AC operated devices to DC.