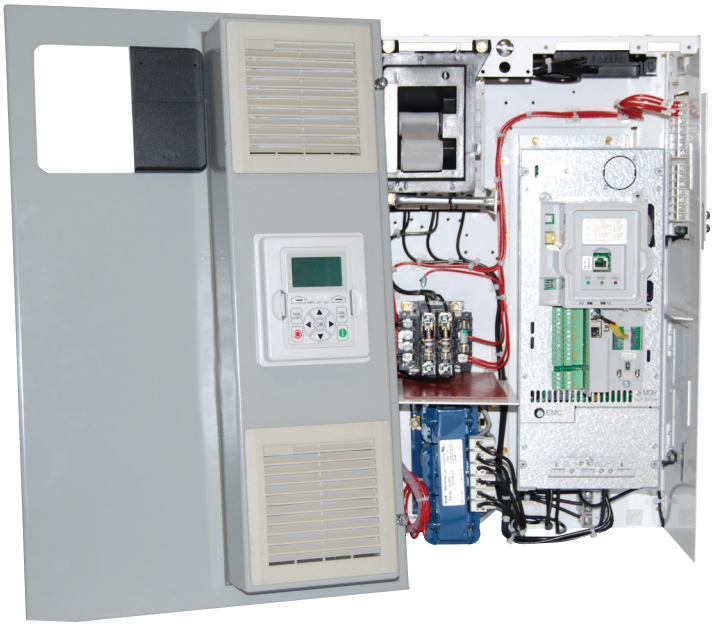
Eaton low voltage motor control centers with adjustable frequency drives

Safety, efficiency, reliability



Eaton's Freedom, Arc Resistant, and FlashGard motor control centers (MCC) provide the ultimate safety solution. Eaton's industry-leading SVX9000 and PowerXL DG1 drives are now available, making Eaton MCCs the ultimate in safety, efficiency, and reliability.

PowerXL DG1

The DG1 general-purpose drives are part of the Eaton next-generation PowerXL series of adjustable frequency drives specifically engineered for today's more demanding commercial and industrial applications.

With an industry-leading energy efficiency algorithm, high short-circuit current rating, and robust design, the DG1 offers customers increased efficiency, safety, and reliability.

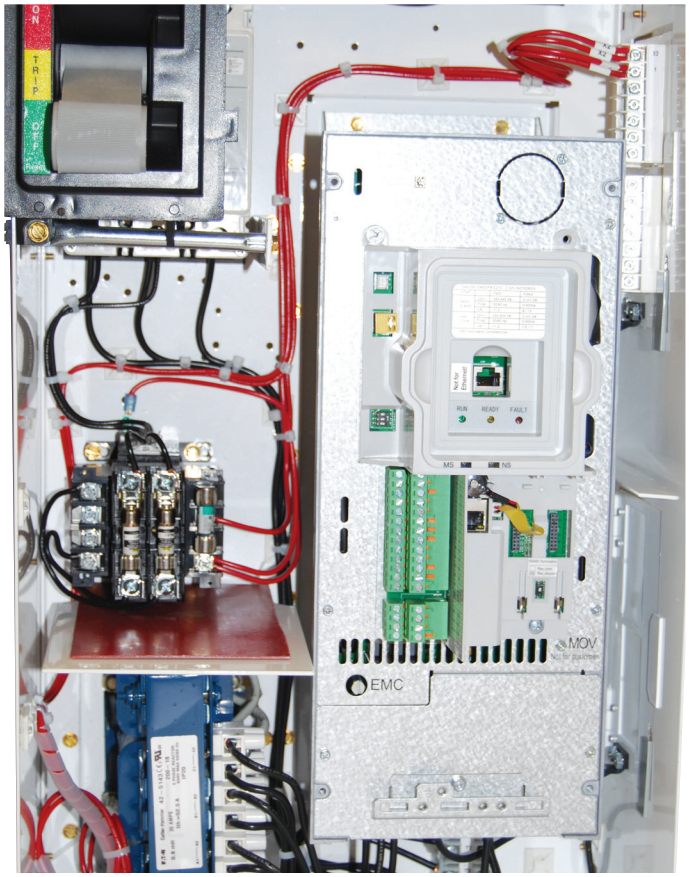
SVX9000

The Eaton SVX9000 adjustable frequency drive is the compact, modular solution to variable speed applications. A complete selection of option cards allows you to configure the drive to meet virtually any requirement.

With its wide voltage range, high overload ability, and user-friendly alphanumeric keypad, SVX9000 drives are the smart choice for every user.

EATON

Powering Business Worldwide



Typical MCC Drive Unit

Eaton drive features

Modular design

- Interchangeable control units within frame sizes
- Separate power and control modules enable easy installation and reduced spare parts requirements
- Compact footprint

Easy to configure and operate

- Quick start-up wizard enables programming and testing the drive even when the drive is unpowered
- Simple copy/paste functions in drive software streamline the configuration process
- Control logic can be powered from an external power source to enable testing, training, and going live whenever needed
- Keypad gives the user full view into the drive and real-time running parameters

Optional Communication flexibility

- Plug-and-play I/O cards, each with unique input and output configurations, can be installed
- Drive can be configured for all major communication protocols, making it easy to communicate with all commonly used control systems

N3R MCCs available

- Non–walk-in NEMA 3R enclosure for protection against rain, sleet, and snow in outdoor applications
- Tested to ANSI/IEEE® C37.24-1986 recommended solar loading guidelines for outdoor switchgear enclosures (with the assumption of 40°C ambient)
- Temperature rating of 14–104°F (–10 to 40°C); in hotter climates (greater than 40°C ambient) a sun-shield is recommended for shading the NEMA 3R MCC structure
- UL® 845 listed
- Up to 2500A horizontal bus, up to 1200A vertical bus; 65 and 100 kAIC ratings
- 480 Vac, three-phase, three-wire, or four-wire

Drive sizes available in NEMA 3R MCCs ❶

HP ❷	Rated Amps	SVX Frame Size	DG1 Frame Size
1	2.2	FR4 ❸	FR1
1.5	3.3	FR4 ❸	FR1
2	4.3	FR4 ❸	FR1
3	5.6	FR4 ❸	FR1
5	7.6	FR4 ❸	FR1
7.5	12	FR5 ❹	FR2
10	16	FR5 ❹	FR2
15	23	FR5 ❹	FR2
20	31	FR6 ❹	FR3
25	38	FR6 ❹	FR3
30	46	FR6 ❹	FR3
40	61	FR7 ❹	FR4
50	72	FR7 ❹	FR4
60	87	FR7 ❹	FR4
75	105	FR8 ❹	FR5
100	140	FR8 ❹	FR5
125	170	FR8 ❹	FR5
150	205	FR9 ❹	❺
200	245	FR9 ❹	❺

❶ Drives available in thermal magnetic breaker, motor circuit protector, and fused disconnect configurations.

❷ Drives shown in the table are rated for constant torque application.

❸ Up to two FR4 Frame drives can be provided in a NEMA 3R MCC section.

❹ One drive per NEMA 3R MCC section for FR5, FR6, FR7, FR8, and FR9 Frame drives.

❺ Contact Eaton for availability.

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