



8000-Line Motor Control Centers



Featuring Spectra RMS™ Breakers



Fully integrated capabilities make GE your complete motor control center supplier

- Order management
- Coordinated drawings
- Applications support
- Mechanical transitions
- Start-up support



Experience is the starting point

The traditional values pioneered in the 7700-Line Motor Control Center remain, but the 8000-Line has been significantly updated and improved. Added design flexibility and the latest component technology create an integrated, coordinated product. Continuous in-process manufacturing inspection and testing ensures the highest quality and reliability for users' operating and maintenance personnel.

Flexibility is the key

Now, you can add the application flexibility of solid-state reduced-voltage starters, Spectra RMS circuit breakers, programmable controls and ac adjustable speed drives. This presents significant new opportunities

for industrial users who are building new plants or updating existing facilities.

Support comes from on-site service

GE's network of highly trained field service engineers gives you timely on-site service support. They take complete responsibility for installation, from site planning and job management through labor and tool sourcing. Depend on GE's worldwide field sales offices and franchised distributors for prompt response to your sales and service requirements throughout the life cycle of your plant.

Specify the motor control equipment that offers you the best balance of flexibility, performance, quality, and service. Specify GE 8000-Line motor control centers.

What's new on the outside

New polyester paint system with 1,000-hour salt spray ratings, 2-mil coating thickness and smooth edges

New bright LED pilot lights available with 100,000-hour (10-year) + life

New cam-activated pull-apart high-density terminal blocks



New handle operator for smooth, positive and reliable operation



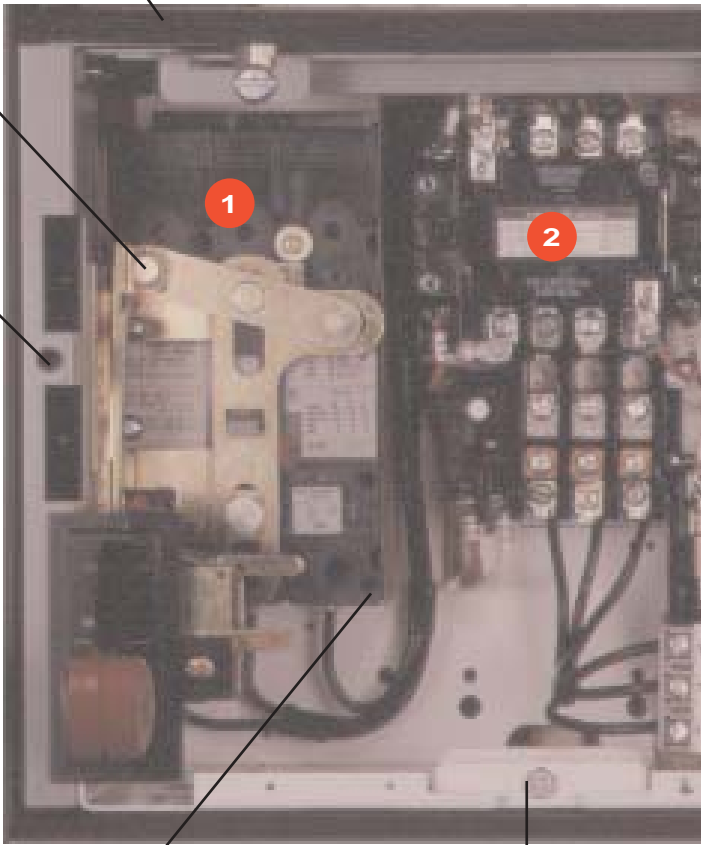
New GE Fastrac™ Program availability makes ordering and delivery easy and fast!

New tough neoprene closed-cell gasketing available on NEMA 1 gasketed, NEMA 2, NEMA 3R and NEMA 12 enclosures

New grommeted motor lead access with full side barrier protection



What's new on the inside



Unobstructed full front accessibility

New, simplified, rugged linkage

New door alignment pin

1

2

New GE Spectra RMS current-limiting circuit breakers feature:

- Modular removable rating plugs that can be sized to the motor horsepower ratings quickly and easily
- 65 kA short circuit ratings @ 480 V
- Superior motor coordination with a new short time function
- Shunt trips, aux switches, bell alarm and undervoltage releases common to all Spectra RMS circuit breakers

New durable Lexan® isolation barriers

Positive guidance screw maintains power connection integrity; compatible with all 7700- and 8000-Line units



2 Simple, fast and easy contact inspection and maintenance

New front 1/4-turn latches for secure installation and visual engagement

Full-size wireways featuring safe control power terminal access without exposure to 480/600V inside unit



3

4

New fixed motor lead terminal block for clear, reliable connections

Rugged dual spot-welded door hinges providing fast, easy door removal and re-installation on empty compartments



3

New Valox® pull-apart terminal blocks offer compact size and 25 amp 600 volt ratings, and they accommodate up to (2) #12 AWG wires with ring, fork or bare terminations

Cam-operated locking screw



4

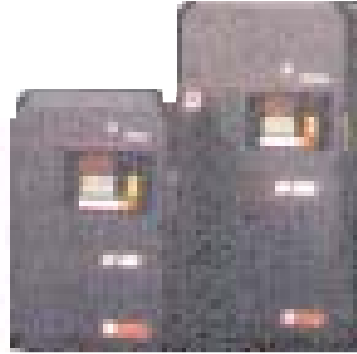
New epoxy encapsulated control power transformers with integral fuses rated 60-500VA



What's new in 8000-Line components and systems



New ASTAT solid state digital starters up to 250hp, 480V



New AF 300 adjustable frequency drives up to 300hp, 480V



New Smart Relay™ control systems

New Power Leader meters and integrated power management systems



GE Fanuc 90-Series PLCs



GE Fanuc Genius I/O bus

Technical data

Ratings

System	208, 240, 380, 480, 575 volt; 50/60 Hz; 3 ϕ 3W, 3 ϕ 4W
Short circuit	22, 25, 42, 65, 100 kA symmetrical amperes
Bus bracing	42, 65, 100 kA symmetrical amperes
Horizontal/ Main/Neutral bus	600, 800, 1200 A aluminum (tin-plated) 600, 800, 1000, 1200, 1600, 2000, 2500 A copper (tin- or silver-plated)
Vertical bus	300, 450, 600 A copper (tin- or silver-plated)
Ground bus	300, 600 A aluminum (tin-plated) 300, 600 A copper (tin- or silver-plated or unplated)
Standards	NEMA ICS 2-322, UL-845, CSA C22.2, EEMAC

Enclosures

Types	Indoor, back-to-back, outdoor non walk-in, outdoor walk-in, outdoor walk-through NEMA 1 gasketed, NEMA 2 drip-proof, NEMA 3R rainproof, NEMA 12 dust-tight Seismic bracing - Zones 1 through 4
Dimensions	78" or 90" high x 20", 24", 30", 36" or 40" wide x 13", 20", 22" or 30" deep

Features & Options

- Insulated and isolated vertical bus with polyester barriers
- Vertical ground and load ground bus
- Horizontal and vertical bus shutters
- SIS wiring, ring terminals, wire markers
- Vacuum contactors
- Lighting and distribution panelboards
- Meter and relay panels
- Distribution transformers
- Solid state starters
- Drives
- PLCs

For More Information

Publication	GET-6728	MCC Application and Selection Guide
	GET-7002	Spectra RMS™ Application and Selection Guide



GE Electrical Distribution & Control

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