

Equipment downtime isn't  
an option.

Model 6 Motor Control  
Centers deliver quality  
performance and  
reliability.



Model 6  
Motor Control Centers



by Schneider Electric

Make the most of  
your energy<sup>SM</sup>

**Schneider**  
Electric



## Plug in to a smarter power source.

Designed and manufactured to tackle the toughest power and process control challenges, the Square D Model 6 Motor Control Center (MCC) features innovations that provide unmatched performance, high reliability and low maintenance. The Model 6 MCC integrates industry-leading components into the most flexible and smallest footprint possible to meet your power, control and automation needs. Model 6 MCC provides superior performance and reliable operation with enhanced safety features.



Reliable for  
reduced  
downtime

# Reliable.

- Developed using Six Sigma methodology
- Integral bus system provides withstand ratings of up to 100kA and is verified and listed by UL per applicable standards
- Field proven, the exclusive frame profile provides a strong, durable structure that protects the internal power, control and automation components in the most severe applications
- The Square D Model 6 MCC reflects our commitment to manufacture the highest quality motor control center with the structural dependability to meet years of demanding service requirements

# Innovative.

- Customer-driven features for improved usability
- Compatible with a wide range of Schneider Electric components including Powerpact® Motor Circuit Protectors, TeSys® T Motor Management Controllers and Altivar® AC Drives
- Available as an “intelligent” solution: pre-wired distributed I/O or with network protocol per the customer’s specification
- “Controller Inside” programmable card on Altivar AC Drive allows PLC “on board” the drive

# Straightforward.

- Power of information is secure and simple to integrate
- Industry-exclusive, full-depth vertical wireway
- Horizontal bus located at the top of the structure for easy installation, inspection and maintenance without the need to remove units
- Captive horizontal splice bars to prevent bar loss and make connecting sections quick and simple
- AC drive programming includes a “Simply Start” menu with macro configurations for simple and fast commissioning
- Twin-handle cam mechanism works with the unit’s “hook and hang” feature to provide proper stab alignment and allow for easy installation and removal of units

# A solid foundation.

The Square D Model 6 MCC enclosure is specially engineered to deliver years of rugged, dependable service. Designed and manufactured to tackle the toughest power and process control challenges, the Model 6 Motor Control Center features the innovations to provide unmatched performance.



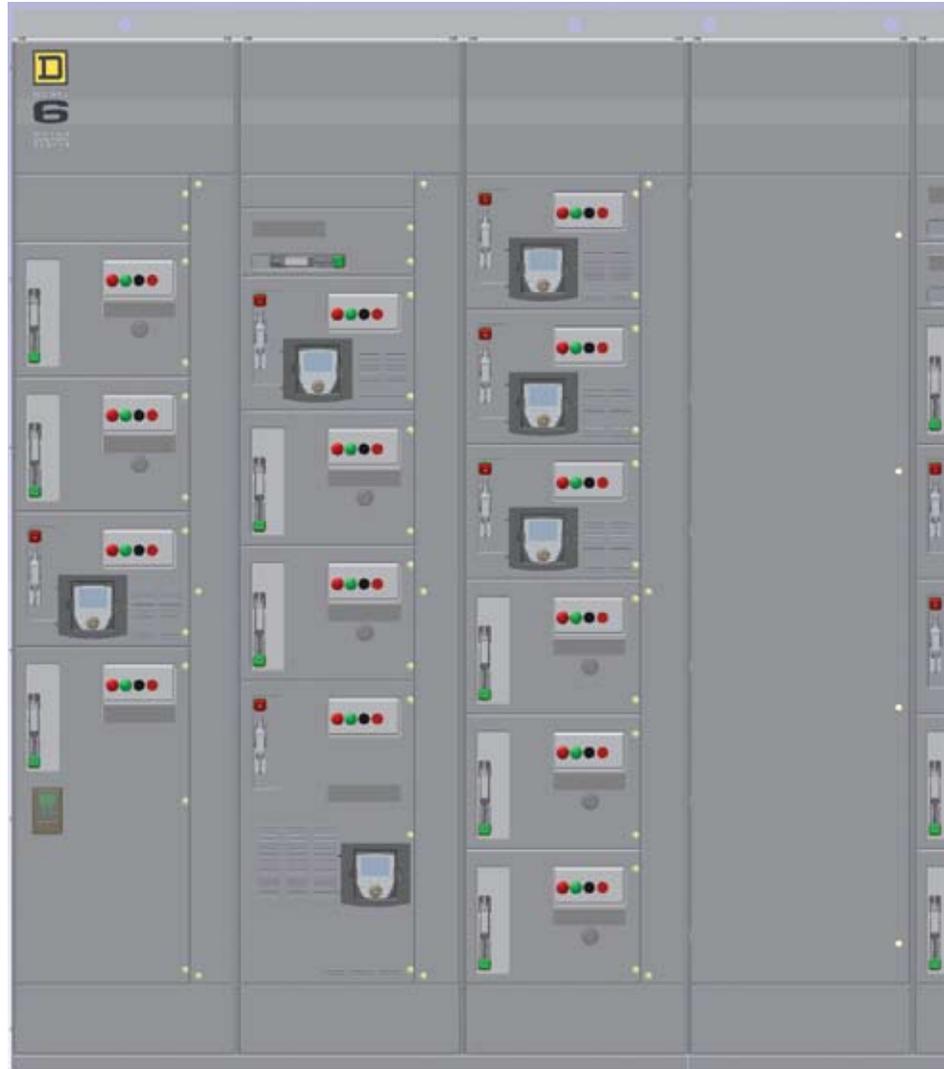
## Frame

The vertical section is made from a welded side-frame assembly formed from 12-gauge steel. Internally reinforcing structural parts enables the enclosure to meet or exceed all applicable codes and standards



## Corner Channels

This exclusive profile provides greater cross-sectional area and eliminates alignment issues during installation. Corner channels increase front-to-back stability and rigidity ensuring that plug-in units can be removed and installed after years of service.



## Tie Channels

Increased joining surface area maintains critical alignment and lateral rigidity to ensure secure door closure and reduced installation time.



## Midshelf Supports

Robust midshelf supports more effectively transfer the weight of the plug-in unit to the Square D Model 6 MCC structure. An increased rear-support angle transfers the stress associated with unit removal and installation, enhancing the structural integrity of the section.



### Sliding Horizontal Bus Barriers

The sliding panel design provides easy access to the horizontal bus so preventative maintenance is quicker and easier. Using a non-conductive material enhances operator safety when performing predictive maintenance. An integrated track system means you do not need to remove the panels to splice or inspect the horizontal bus connections.



### Automatic Bus Shutter

Ideal for vertical bus and unit stab connection applications, its simple, logical design automatically opens and closes for convenient insertion or removal of motor control center units. Placing the actuating parts outside of the bus area reduces wear and shutter jamming – a common problem with “sliding” designs.



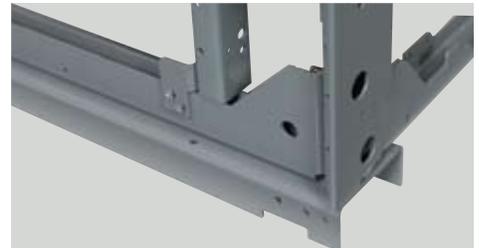
### Shrouded Power Stabs

Protects the power stabs against damage during unit maintenance and provides a self-aligning system for installation of units and connection to the vertical bus.



### Cast Metal Handle

An industry-exclusive feature, more rugged than composites, the metal handle clearly indicates disconnect status, including a “tripped” circuit breaker, for added safety.



### Seismic Certification

Square D Model 6 MCCs that are seismically certified have been qualified to the site-specific seismic requirements of the listed model building codes and/or standards. Seismic capacity is determined from triaxial shake test results as defined in the International Code Council Evaluation Service (ICC ES) Acceptance Criteria for Seismic Qualification Testing of Nonstructural Components (AC156).

# The power and control you need. Where and how you need it.

Whether your installation features small motors and tight spaces or large motors and rows of machinery, the Square D Model 6 MCC can accommodate the starters and electrical distribution devices you need – as well as the automation and monitoring your application demands.



## **PowerPact® Electronic Motor Circuit Protector**

Delivers more reliable start-ups, better protection for your equipment and a complete adjustment range for your motor starters. Its new, unique design allows the motor circuit protector to be customized to the inrush characteristics of the motor and enables a fully National Electrical Code® (NEC) compliant installation.

## **TeSys® T Motor Management Controller**

Optimizes performance and reliability to help reduce cost and increase efficiency. TeSys T utilizes the latest protection technology and is compatible with all existing industrial communication protocols. This advanced motor management controller offers the greatest degree of flexibility for selecting the amount of motor protection and control you require.

## **Altivar® AC Drive**

Industrial class features and the latest drive technology in a modular unit that maximizes uptime and saves space. The compact design is ideal for commercial and industrial applications.

## **Masterpact® Circuit Breaker**

Industry leading capabilities in a small, flexible footprint. Masterpact circuit breakers in Square D Model 6 MCC's provide unmatched performance, high reliability and low maintenance. To enhance operator safety, a through-the-cover design provides visible and physical access to all breaker controls and indicators without opening doors or removing covers.

## **PowerLogic® Circuit Monitor**

Replacing a variety of meters, relays, transducers and other components. This multifunctional digital metering and monitoring device displays metered values plus extensive min/max, alarm and analog/digital input, and other key data for local viewing.

# The right information. At the right time.

## Intelligent motor control center – Square D Model 6 iMCC

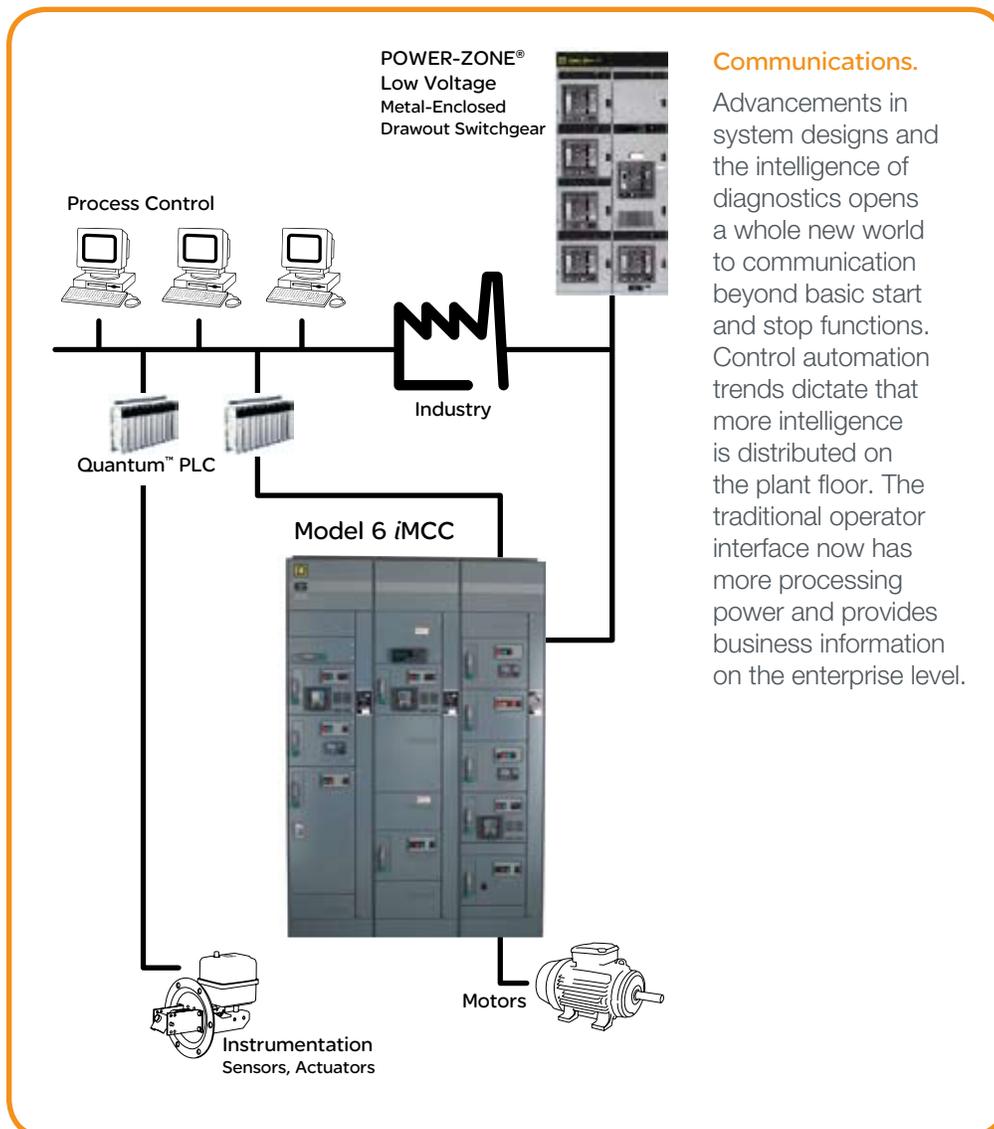
Streamline troubleshooting and maximize uptime by incorporating “intelligent” components and cabling solutions into your motor control center.

## Collaborative process and production control

Access the information you need in real time, anywhere, anytime. Designed to work on open network protocols, the Square D Model 6 MCC allows you to monitor AC drive parameters, view full voltage starter status, spot abnormal conditions immediately and quickly diagnose equipment failures from any networked computer.

## Communication protocols available: CANopen, DeviceNet™, Ethernet, Modbus® and PROFIBUS

Connect to your network control system and communicate with every unit in the iMCC regardless of your communication protocol. Monitor each motor and load and know exactly what’s going on at all times so you can respond to impending problems before they happen.



# Take the next step to a quality MCC.

Whatever your requirements for a motor control center are, we have a solution to meet your needs. For more information on how our motor control centers can deliver a quality solution that truly fits your business, visit [www.us.SquareD.com](http://www.us.SquareD.com) or call 1-888-SquareD.

Altivar, Masterpact, Modbus, Motor Logic, PowerLogic, PowerPact, Square D and Transparent Ready are registered trademarks of Schneider Electric. Other marks used herein may be the property of their respective owners.

## Schneider Electric - North American Operating Division

1415 S. Roselle Road  
Palatine, IL 60067  
Tel: 847-397-2600  
Fax: 847-925-7500