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# Build better control and more efficient performance

Siemens tiastar™ Motor Control Center:  
Driving profits for construction and building infrastructure industries

Controlling the performance of infrastructure systems in industrial building complexes demands fail-safe reliability. Heating, air conditioning, ventilation, lighting, security and other systems must achieve perfect functionality. Yet this must be coupled with reduced energy consumption and lower costs – all without sacrificing comfort or safety. Controllers in warehouses must be durable and reliable. In complexes requiring multiple, sophisticated technologies, such as hospitals, intelligent control is critical.

Siemens tiastar Motor Control Centers (MCCs) deliver continuous reliability, plus innovative features like the market's only UL-witnessed Arc Resistant MCC to lower the risk of exposure to arc flash incident energy and optional high density design. As the world's largest and most diverse electrical equipment manufacturer, Siemens offers the products and services to meet any building automation specification.

## Control risk, performance and productivity

The new tiastar Motor Control Center offers these benefits for construction and building infrastructure:

Fast	Durable	Flexible	User-Friendly
Siemens tiastar MCCs are manufactured in America at our West Chicago, IL facility. This reduces lead and production times. Our response time fulfills orders in days for fast, no-fuss delivery.	Every tiastar MCC offers the time-tested, built-to-last durability of premium materials and components. Siemens, the leading name in the market, delivers the reliability and power to drive performance day and night.	From traditional designs to customized solutions, tiastar MCCs represent state-of-the-art motor control technology at an economical price point. Siemens components, including starters, circuit breakers, motor management and communications systems, are designed to work seamlessly with each other and with third-party equipment.	Siemens tiastar MCCs are designed for easy serviceability and safety. Every construction element is implemented for ease of access and use, while keeping users as safe as possible. From features like terminals mounted on swing plates for easy access to robust locking and operating mechanisms, plug-in units are easy to install, remove and service.

Answers for industry.



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## Value-added features increase functionality and efficiency

### Siemens tiastar-HD fits more control into less space

Siemens tiastar offers a High Density Motor Control Center, the ideal product when physical space is at a minimum. Featuring a smaller footprint to allow more floor space for other uses, the tiastar-HD is engineered to fit equivalent control equipment into a space up to half the size (6" units versus standard 12"), while still adhering to UL and NEMA standards.

#### The new tiastar-HD MCC delivers big benefits in a smaller package:

##### Savings

The reduced footprint means fewer sections required, which lowers the investment cost.

##### User-Friendly Operation

The modular plug-and-play units are designed for easy access and servicing. White interiors provide improved visibility.

##### No Compromises

Design and construction meet UL845 and NEMA standards. HD MCCs use NEMA contactors to achieve the reduced footprint for FVNR sizes 1-4.

### Arc flash protection via the Siemens Arc Resistant MCC

With UL-witnessed testing, the Siemens tiastar Arc Resistant MCC sets the new standard in enhanced protection for your most valuable asset – your personnel. Siemens is the first manufacturer to offer an Arc Resistant MCC tested to the ANSI/IEEE C37.20.7 testing guide, with UL representatives present to witness the testing procedures. The Siemens tiastar Arc Resistant MCC decreases the risk of arc flashes to better protect workers.

#### Siemens tiastar MCC's superior arc resistance offers these benefits:

##### Increased Safety

The tiastar Arc Resistant MCC arc-resistant design lowers the risk of exposure to arc flash incident energy.

##### Passive Design

The MCC features reinforced enclosure and stronger latching systems. The internal venting system channels the flow of arc fault gases away from personnel.

##### Asset Preservation

Enhanced arc resistance protection reduces damage to nearby equipment, which saves repair and replacement costs.

To find out more about how Siemens tiastar MCCs deliver solutions for the construction and building infrastructure industries, contact your Siemens representative today.

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