SIEMENS

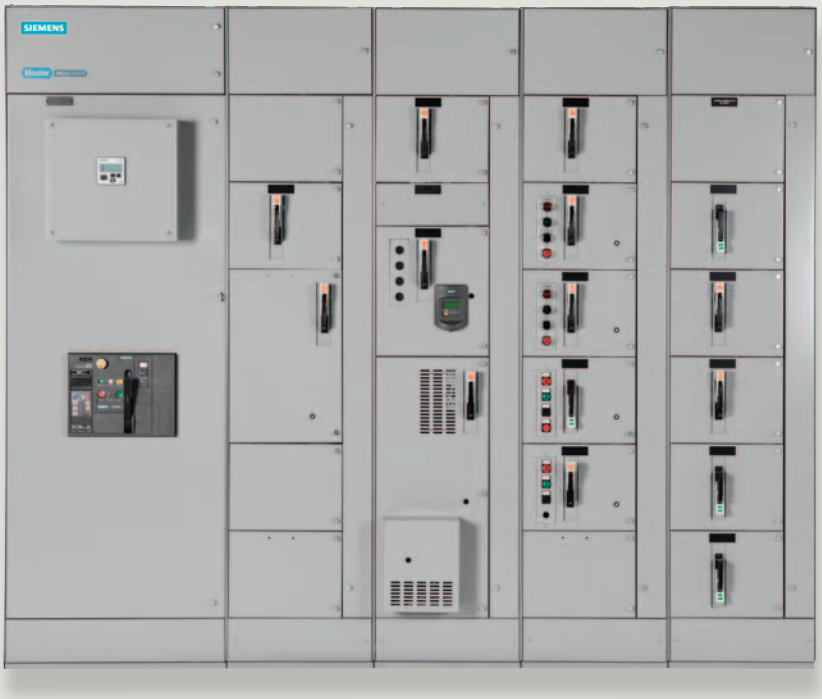
ABS Type Approved Product

Game-Changing Innovation

Exceptional control. Even in the roughest seas.

High performance Siemens tiastar™ Motor Control Centers—ABS certified for marine, offshore, and energy applications

www.usa.siemens.com/mcc



Get the Precise Control You Need

ABS Type Approved, tiastar Motor Control Centers from Siemens embody a host of design features that control risk, optimize performance, and deliver the lowest total cost of ownership for marine applications.

From offshore energy platforms to LNG tankers and countless other onboard applications, Motor Control Centers from Siemens deliver exceptional safety, performance, and reliability in demanding conditions – features such as enhanced safety for electrical control systems and our unique Arc Resistant design, the first UL-witnessed ANSI/IEEE design available.

Our high density (HD) model delivers obvious advantages by providing a minimal footprint while never sacrificing advanced features or easy and accessible serviceability.

As part of a complete drive solution, tiastar MCCs seamlessly integrate variable frequency drives (VFD), motors, and other Siemens controls to provide the most energy efficient power solutions, backed by the extensive resources of a global leader, and designed for high performance and long life.

ABS Certified

tiastar Motor Control Centers from Siemens are dual ABS certified.

- ABS Design Approved
- ABS Product Type Approved

High Density

Maritime applications place a premium on space, and the MCC HD design delivers exceptional control capabilities in a reduced footprint without sacrificing access or serviceability. Designs also meet all applicable UL and NEMA standards.

- Up to 10% weight reduction and 25% smaller footprint[1]
- Modular plug-in units make installation and removal simple

Integrated Drives

Siemens is a world leader in motors and variable frequency drives used to precisely tailor performance and efficiency. Coupling tiastar MCCs with our drive solutions provides designers and engineers with complete solutions that are ideally matched for reduced harmonic distortion and optimal productivity.

- Precisely control fan, pump, and compressor speeds
- Improve power factor

Arc Resistant

The Siemens tiastar arc resistant MCC is the industry's first MCC tested to the ANSI/IEEE C37.20.7 testing guide, with representatives of Underwriters Laboratories, Inc. present to observe the testing procedures. Our innovative design increases safety by decreasing the risk of exposure of personnel to explosive arc flash.

- Reinforced enclosure and latching systems
- Internal venting system proactively channels the flow of arc fault gases
- Type 2A accessibility for protection at the front, sides and back
- Full side sheet isolates all sections within the MCC to prevent propagation of arc faults

[1] *Compared to standard design.*

Unrivaled Construction

tiastar MCCs are exceptionally easy to service and maintain – by design. Simultaneously, personnel safety is never sacrificed in achieving service access.

Full Side Sheet
The full side sheet structure includes dividers that isolate all individual sections within the MCC, reducing the risk of fault propagation.

Bolted Bus Joint Connections
Electrical connections are unlikely to loosen due to thermal or mechanical stress by virtue of their double-bolted and conical washers at every connection point.

White Vertical Wireway
The back of the vertical wireway is painted white to provide good routing visibility for wiring.

Clear Lexan® Barrier
The horizontal bus is isolated from the horizontal wireway with a clear protective barrier, reducing the risk of inadvertent contact with horizontal bus. The clear barrier allows easy visible inspection of horizontal bus connections and joints.

Hinged Doors
Hinged access doors for access to the horizontal wireway allows for more convenient serviceability without the need to remove bulky panels.

White Unit Interior
Exceptional visibility is enhanced by a white interior for added safety during servicing and maintenance.

Horizontal Bus Isolation
The entire bus assembly resides in the top 12" of the vertical section, providing convenient accessibility for faster serviceability.

Optional: Vertical Bus
Our unique vertical design isolates and insulates the bus assembly to inhibit accidental contacts and limit any arcing faults from propagating.

For more information, contact your Siemens Representative or visit us at www.usa.siemens.com/mcc.

Published by Siemens Industry, Inc. 2016.

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Article No.: CCBR-MCABS-0316
Printed in U.S.A.

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