



ODYSSEY

MOTOR CONTROL CENTER





HELIX ODYSSEY MCC



The Helix Odyssey MCC is the latest generation of Motor Control Center to hit the market. It is designed to provide safe and reliable motor control and power distribution.

Manufactured with proven and dependable ABB devices, the Helix Odyssey MCC provides next level protection and communication features that assure stable electrical distribution and motor controls.

ODYSSEY FEATURES

MODULAR STRUCTURE

Assembled with a rigid modular structure that is meticulously crafted to align with common trade practices, standards, and regulatory requirements to enable a longer MCC operational life. With the utilization of standardized components, it enables efficient manufacturing processes and facilitates seamless modifications.

MOUNTING CONFIGURATION

Choose from a single front or double front MCC mounting configurations:

- **Single Front:** Joined and installed side-by-side
- **Double Front:** Two separate columns joined at the rear with the back plates removed. The two columns have separate power bus systems with consistent phasing and the horizontal power bus linked front to rear with a factory-installed U-shaped bus splice assembly.

FULLY WITHDRAWABLE

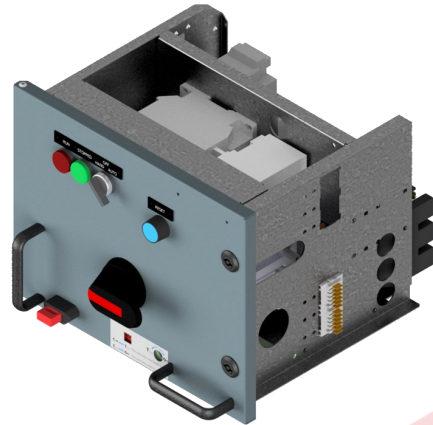
Designed with interlocks and a continuous ground connection, the interlock system confines units from being inserted or withdrawn when the rotary handle is in the on position.

UNIT RACKING MECHANISM

The switchgear-style screw actuating mechanism allows operators to rack out the unit from the bus without opening the door, providing an additional barrier and arc flash protection for personnel. Stainless steel spring clips self-align to maintain a high pressure connection to the bus.

UNIT DOORS

Doors are hinged to the units, not the frame, allowing easy removal without disconnecting door-mounted control wiring.



COMBINATION MOTOR STARTERS

Combination starter units combine the requirements of overload and short circuit protection into one convenient package. Starter units are provided with ABB AF contactors, ABB thermal or electronic overload protection, and fusible switches or circuit breaker disconnects.

CUSTOMIZABLE DESIGNS

Fully customizable, the Odyssey MCC can be equipped with many types of controls, including PLC's, VFD's, soft starters, transformers, panel boards or other electrical components for industrial, commercial or utility applications.

ODYSSEY SPECIFICATIONS

Power Supply: Up to 600V & 2500A, 50/60Hz

Wiring Type: 3 Phase, 3 & 4 Wire

Enclosure Type: Standard NEMA Type 1

Short Circuit Rating: 65kA RMS Symmetrical

Motor Load: Up to 200HP Max.



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