Complete range of motorized change-over switches from 40 to 2500 Amperes

OTM motorized change-over switches from 40 to 125 Amperes

With the new OTM motorized change-over switches from 40 to 125 Amperes, ABB offers a complete range from 40 up to 2500 Amperes. The motorized change-over switches can be connected to ABB’s OMD automatic control units.

In OTM motorized change-over switches from 40 to 125 Amperes, the motor operator is protected by a resettable PTC thermal overload relay. If the switch is operated too often, the overload relay trips, thus protecting the device against temperature rise and malfunction. A LED light indicates if the overload relay is tripped.

Switch position status and locking status are available without additional contacts. There is an additional LED light that shows whether the motor can operate: if it is energized, if the handle is not attached or if the device is not padlocked. Status indication is always available, ensuring safe maintenance.

The terminals are of tunnel-type. All the wires, despite cable size, are evenly tightened with closing compression contacts. Terminal clamps are also available for all cable sizes. Snap-on mounted IP20 connectors for the control circuits are included in the delivery.

ABB’s complete range

ABB’s OTM motorized change-over switches from 40 to 2500 A are designed to transfer loads in a wide variety of applications.

For example, when a generator set is used as reserve power supply, OTM motorized change-over switches are the optimal solution. They can be used in applications that require up to 690 V in different industries, such as telecommunications, hospitals and healthcare, farming, airports, power generation, pumping stations or sewage treatment plants.

An advantage of the OTM motorized change-over switches is the flexibility they give to plan the installation: it can be mounted in different directions and, because of its compact size, it uses very little space. Thanks to ready-made bridging bars offered as an accessory, time consuming busbar bridging can be avoided. Assembly and design time is reduced.

Operation can be done remotely with push buttons, a PLC, or cam switches, using impulse or continuous commands. There is no risk of damaging the motor operator even if continuous command is used. If the control voltage disappears, the switch position does not change. If two simultaneous control commands are given, for example, positions I and O, the switch goes to position O as an emergency stop feature. Manual operation is always possible during emergency situations regardless of the switch position and even if there is no electricity available.

For safe operation, the terminal shrouds prevent finger contact with live parts. To prevent dangerous connections from taking place in the network, the OTM motorized change-over switch has three mechanically interlocked positions: two asynchronous sources cannot be mistakenly connected together.

It is important to notice that the device is not only a transfer device but it also fulfills isolation requirements and can be used as an isolator. No extra isolating devices are needed.

By fitting the handle, remote control is prevented and maintenance work can be done safely. Both, manual and remote unwanted operations can be prevented by locking the switch. The motorized change-over switch can be padlocked in any switch position.

OTM motorized change-over switches improve your performance.