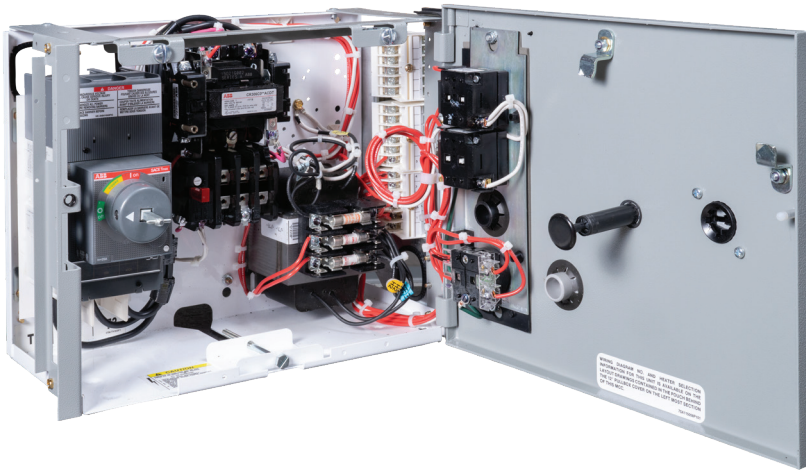


LEAFLET

Life cycle services for 2700, 7700, Spectra Series™ and 8000-line motor control centers

Fastrac SACE® Tmax® XT feeder and starter units



The new SACE Tmax XT-based feeder and starter units allow repair, expansion, and life extension for existing motor control centers at customer sites around the world. All buckets are UL 845 rated and designed to work seamlessly with existing customer equipment, which may be up to 60 years old.

Reliable components to repair, expand and modernize existing motor control centers (MCCs)

Legacy GE Industrial Solutions (GEIS) motor control products have been manufactured since 1960 and are still in use extensively for ANSI / NEMA applications globally. ABB's new Tmax XT-based units are designed to operate seamlessly with existing customer equipment, which may be up to 60 years old.

The overall structure of these units is very similar to existing unit designs with a steel frame, rear facing bus stabs to engage existing vertical bus, and jack screws to mount the unit in the existing vertical section. The Tmax XT circuit breaker utilizes a new mounting bracket, door and simplified operating mechanism. Note that the door is right-hinged and mounted to the unit, matching the original 8000-line design. A rotary operating handle is used, like the original 7700-line design.

For starter units, other major electrical components remain unchanged, including: 300 series starter/contactors, control power transformer (CPT), relays, fuse blocks, and terminal blocks.

GEIS branded pilot devices are being discontinued. New units use ABB pilot devices. Also, the incandescent pilot light option is being discontinued. All pilot lights use LED technology.

8000-line 12" Feeder Unit with SACE Tmax XT circuit breaker



Note: For additional features and ratings not available in the Fastrac configurator at empower.abb.com, contact the Mebane, NC, factory at +1 888 434 7378 for Tier 3 quotations. Requisition engineered units are available to fulfill those needs.



Benefits:

- OEM solution for repairing or upgrading GEIS branded equipment
- Maintain existing UL 845 MCC ratings
- Compliant with new UL MCCB standards
- Compatible with existing GEIS 2700, 7700, Spectra Series™ and 8000-line MCCs
- Unit Types: Feeder, FVNR, FVR, 2S1 W and 2S2 W
- Unit Sizes: NEMA 1 – NEMA 4
- Construction: Plug in/Stab in
- Voltage Ratings: 208 V – 480 V
- Frequency Ratings: 50 Hz & 60 Hz
- Feeder Current Ratings: 15 A – 250 A, 80%
- Starter Horsepower Ratings: 0.25 HP – 100 HP
- Current Interrupt Rating: 18 kIA – 100 kIA
- Control Options: All existing Fastrac Options
- Feeder Length: User Selectable up to 48”
- Starter Length: + 6” and + 12” User Options



Fast and easy replacement of existing units

New SACE® Tmax® XT-based units are functionally equivalent to existing units with Spectra Series or other disconnect devices. Once field wiring is disconnected, the old bucket is removed by loosening the jack screw. Installation is the reverse of removal. The new bucket stabs into the existing vertical section, it is bolted in with the jack screw, and field wires are terminated.

For repairs at an operating facility, replacement of an entire unit is the fastest option to return the downstream load to service.

Additionally, when reconfiguring loads in a facility or modernizing an entire MCC lineup, new units available via the Fastrac configurator at empower.abb.com can be a cost effective option.

When considering a replacement alternative, site labor is extensive to:

- Disconnect all field cabling and pull it from the lineup
- Disassemble and remove the existing lineup
- Assemble and install a new lineup
- Test and commission the new lineup
- Repull and terminate all cabling

An upgrade can be accomplished much faster and less invasively by simply removing and replacing each unit.

When considering a large purchase of new units in the USA, please inquire about ABB’s “Quick Start Buckets” program. For volume purchasing, a discount up to 50% off is available.



Release date

Feeders released in March 2022, FVNR and FVR starters released in December 2022. The release of 2S1W and 2S2W starters is planned for Q1 2023.

More information:

<https://electrification.us.abb.com/services>

<https://electrification.us.abb.com/services/aftermarket-products>

<https://electrification.us.abb.com/products/motor-control-centers-mccs/mcc-replacement-starters-feeder-units>