

ELECTRIFICATION SERVICE

Retrofit solution

For withdrawable modules of SEV32 cubicles (AEG/GE legacy product)

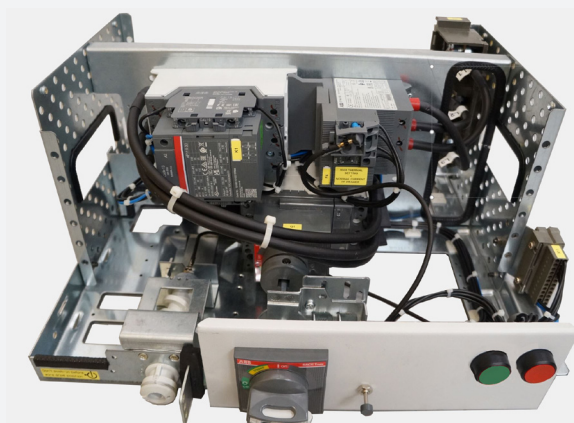
For customers who invested in low voltage systems, it is crucial to take care of condition of switchgears and motor control centers. Withdrawable modules is one component of this equipment, which makes it a critical part in the process of a factory. Failure of just one drawer can lead to lengthy downtime and very high costs. ABB Electrification service offers a wide range of services to ensure safe and trouble-free operation of the motor control centers and to extend the service life cycle of the low voltage switchgears.

After the acquisition of GE Industrial Solutions (GEIS) ABB has gone through an extensive effort to streamline its product portfolio with the target to ensure that products and systems provide the highest standards in terms of safety, reliability and performance for our customers. As part of this exercise, former GEIS switchgear has become an integral part of the ABB IEC LV switchgear offering and as such is subject to continued product enhancements and improvements. Compatibility and interchangeability of already sold equipment is one of our major priorities maintained through the product life cycle.

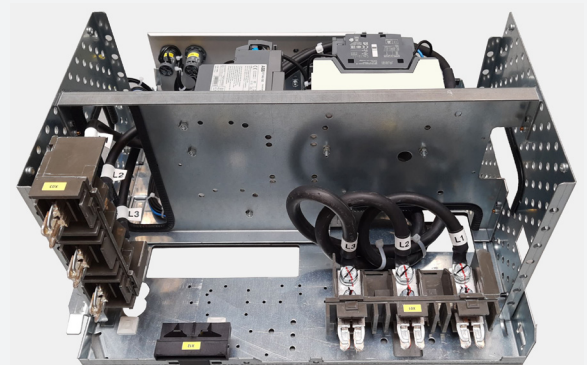
As GE components are becoming obsolete, ABB is offering a seamless transition between old and new products by introducing one-to-one replacement of existing SEV32 modules with active components with a purpose to extend the life cycle of motor control centers, ensuring upgrade of the switchgear within minimal system downtime.

01 Front view of the withdrawable module

02 Back view of the withdrawable module



01



02



Benefits

Increase of safety

- Using type-2 coordination combinations.
- Modules with ABB components are design verified in accordance to IEC-61439 standard.



Reduction in downtime

- Replacement of the drawers can partly take place during operational hours.
- Replacement can be done in several steps, old and new drawers can operate in one switchgear.



Increase in reliability

- Spare parts availability is guaranteed for many years as the new parts are in active phase.
- ABB is using modern technologies and the latest components.



Sustainability

- Achieved by extending the life cycle of your electrical system and minimizing raw materials usage.

Retrofitting Procedures

- Replacement of withdrawable module.
- Pre-engineered door was developed to adapt with the new module's switching device*.
- Fix of the module interlock on the door.
- Fix of the door lock.
- For IP54 switchgears, roof with pressure flap shall be used.

* except for NEO, where door is part of the module.

What is needed for a quote?

The following basic details are necessary for providing standard retrofit solutions offer:

- Feeder details (KW, ampere, application)
- Switchgear drawings (SLD, GA, schematic)
- List of components (BOM)
- Switchgear nameplate.