

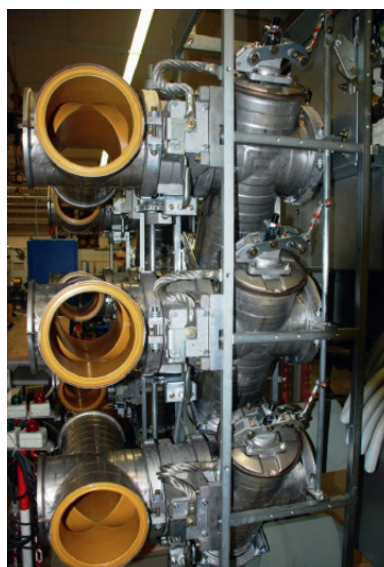
Extension solution for the medium voltage air insulated switchgear type EML

Adaption of GIS panels of type ZX



01

01 Switchgear type EML



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02 Pipe based busbar system EML

The switchgear type EML is a single-pole metal-encapsulated medium voltage switchgear (up to 36 kV nominal voltage) which is intended for installation in electrical rooms. It is distinguished in particular by a busbar structure which is based on a high voltage design and the use of vacuum circuit-breakers. EML switchboards were actively produced from the mid-eighties to the end of the nineties. To this day, they are used in fields of application, e.g. in power supply, in mining, in power plants and in industry.

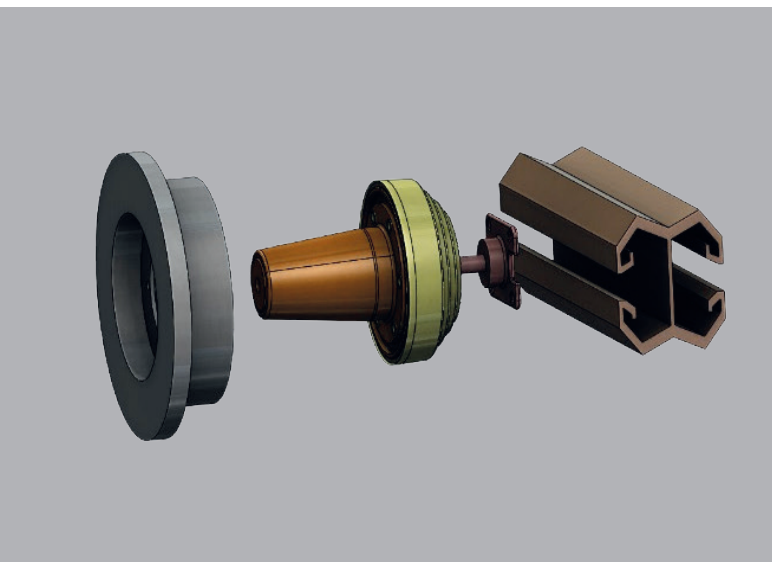
Frequently, the replica of a phased-out panel is no longer a feasible solution for a switchgear extension, usually for economic reasons. Appropriate expansion solutions can be offered here in the form of an adaption, adapting a current switchgear type to the phased-out switchgear type.

As part of the extended service life of switchgear, ABB is a competent partner in the case of an extension of the power grid to implement additional circuits for existing system configurations. This applies to both current and phased-out switchgear types. A corresponding extension solution is now available for the EML phased-out switchgear.

The available solution for the switchgear type EML is based on a cable / solid-insulation adaption to panels of the gas-insulated switchgear family ZX. These panels are characterized by features such as high flexibility, reliability, availability and cost-effectiveness.

Conclusion

If there is a need to extend an existing switchgear type EML by additional panels, the alternative to an entire system replacement is available by the extension based on current ZX family panels.



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01 3D-model
02 Original
Adaption to the
pipe bases busbar
system of the EML

Benefits

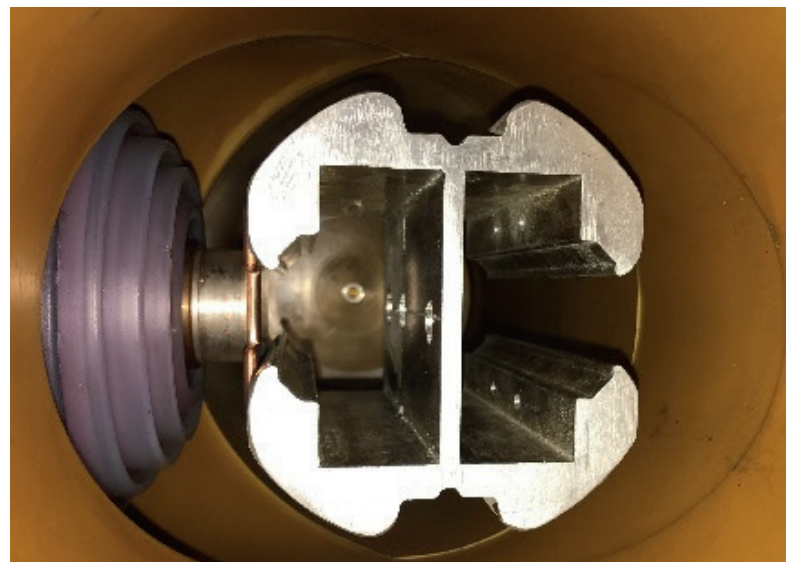
- Convenient extension solution for switchgear type EML
- Preservation resp. no intervention in the existing switchgear configuration
- Expansion with current state of the art gas-insulated switchgear type ZX
- Economical alternative to an entire EML system replacement
- Minimum space requirement (distance) for the adaption solution itself

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