

Life cycle services for distribution protection and control relays

Relay Retrofit Program for SPACOM to REX610



ABB's Relay Retrofit Program for SPACOM offers smooth and controlled replacement of selected SPACOM protection relays with the all-in-one protection relay REX610, representing the latest protection and control technology. The result is extended switchgear lifetime, full availability of relay life cycle services, and the possibility to adapt the power protection system to meet new requirements.

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01 SPACOM relay
and REX610 as
replacement relay

Reliable and secure power distribution

The Relay Retrofit Program for SPACOM allows convenient replacement of selected SPACOM relay types with the latest addition to the Relion® family, the all-in-one protection and control relay REX610.

The functionality of REX610 corresponds to that of the SPACOM relays, but can also be configured to include additional protection functions. As REX610 fully supports the IEC 61850 standard for communication and interoperability of substation automation devices, the program also provides an opportunity to upgrade the entire communication system at the same time, to better meet today's protection requirements.

The program represents an excellent way to modernize the protection and control system, and to ensure increased productivity and efficiency through further improved reliability of power supply.

Benefits

- Controlled and repeatable procedure for replacing selected SPACOM relays with REX610
- Complete program for successful and timely scheduled execution of retrofit projects – saving time and money
- Fast and easy installation due to same cutout dimensions and no major new wiring – minimizing downtime
- Enhanced personnel safety with access to the latest protection and control functionality
- Benefit of the latest software developments
- Extended switchgear lifetime with new protection relay and technology
- Future-proof protection solution with IEC 61850 standard-based REX610
- Assured future availability of life cycle services



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01 Replacing SPACOM with REX610 relay

02 SPACOM and REX610 with prewired terminals



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Fast and easy replacement of protection relays

In addition to the REX610 replacement relay, the Relay Retrofit Program for selected SPACOM relay types offers all the necessary accessories, and hardware and software tools needed for a successful and timely scheduled execution of retrofit projects. To minimize the need for rewiring and updating the existing schematic drawings, the relays come with prewired terminals. This complete package ensures that the downtime of production or power distribution processes is reduced to a bare minimum.

The Relay Retrofit Program for replacing SPACOM with REX610 relays supports the entire replacement process – from engineering, through installation, to testing of the relay – and covers:

- Always included
 - REX610 replacement relay with retrofit adapter set
 - Documentation
- Optional
 - Configuration template for replacement relay
- On demand
 - ABB Ability™ Backup Management for electrical systems - Data Care
 - Relion® BIO-Tester 610-611-615-620 (for stand-alone REX610 relay)
 - Training

For more information, please contact:

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