Preventive maintenance kits for RADSS

Did you know that ABB’s life cycle model covers the entire cycle of RADSS?
ABB recommends preventive maintenance to ensure maximum availability and continuous trouble-free operation, as well as elimination of unplanned downtime and repair costs.

About RADSS
RADSS is a very robust busbar protection device. The product was introduced in 1969 and phased out in 2003, but ABB is still able to supply spare parts, support and service for RADSS.

Customers plan for maintenance
Different components and materials age in different ways during their lifetime. Therefore, we recommend that customers have a maintenance schedule in place.

As a precaution, part of that maintenance schedule should be replacement of old parts. We recommend inspections at pre-defined intervals to determine the need for replacement. This will ensure reliable performance and greater user satisfaction.

Benefits of preventive maintenance
Preventive maintenance schedules bring a range of benefits:
– Investment protection
– Increased equipment reliability
– Minimized unplanned downtime
– Reduced maintenance and repair costs

Preventive maintenance kits
ABB offers three different pre-specified and easy-to-order preventive maintenance kits for the most critical parts of the RADSS. The kits consist of the following ABB spare parts:
– Switching Line CT-s to DA, DB kit, including:
  • Two latching relays, type RXMVB 2
  • One double mirror relay, type EXMM 1
– Bus coupler CT disconnection kit, including:
  • Two latching relays, type RXMVB 4
  • One double auxiliary relay, type RXMM 1
  • One delayed alarm relay, type RXKL 1
– Bus interconnection (two-zone to one-zone) kit, including:
  • Two latching relays, type RXMVB 4
  • One flag indicator, type RXSF 1
All auxiliary voltage levels are available. Please refer to the following article numbers for the different kit options:

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Interested in extended functionality? Once you have decided to implement preventive maintenance measures, you might be interested in extending the functionality of your substation at the same time. A useful extension might be to make essential status signals available at your dispatch center. In order to do this, the signals need to be hard-wired to a Remote Terminal Unit (RTU). The RTU will then be able to convert and transmit the signals to the dispatch center. This way, new functionality can be added to existing installations. Please contact your local ABB Sales team for more information.

Securing a trouble-free installation
We recommend inspection of RADSS and the installation of the preventive maintenance kits. To avoid unnecessary outages, the replacement of equipment must be made and experienced personnel.

For more information please contact your local service sales support team to discuss your requirements further or send an email to offer.selog@se.abb.com

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