

Preventive maintenance kit for the Relion® 500 series of protection and control products



Preventive maintenance actions bring more flexibility to your investment plans. It is a well-planned, systematic and structured concept that ensures the full product lifecycle. From a cost perspective, it is more efficient to do preventive actions than repair after malfunction. It is also a way to secure revenues by avoiding unplanned stops.

Why preventive maintenance?

History and statistics show that risk for device failures increases significantly after 10 years of use. Based on ABB experience, the density of failure probability increases because of aging. Primary causes for aging are: quality of auxiliary voltage, environmental conditions, and physical age of components.

Preventive maintenance kit for the 500 series

We recommend preventive maintenance actions for devices of the 500 series having aged 10 year or more. Our preventive maintenance kit includes the most recent version of PSM, ESD wrist band and instruction for the exchange.

Preventive maintenance kits are available for the following PSM:s and products:

- 1MRK002238-CA:M for RExAll ver. 2.0, 2.1, 2.3, 2.4, 2.5
- 1MRK002238-DA:M for RExAll ver. 2.0, 2.1, 2.3, 2.4, 2.5
- 1MRK002238-EA:M for SysCon, RExAll 2.4, 2.5
- 1MRK002239-BA:M for RED521, RET521, RES521. I-Base500



Ordering details

You can access information about our range of preventive maintenance kits at any time using the Business OnLine tool at <http://online.abb.com/>. All local ABB offices are ready to assist you with ordering the preventive maintenance kits listed above

Preconceptions Reality

Protection relays are totally maintenance free.

The risk for problems related to aging on electronic components increases after several years of operation.

Problems related to aging can be predicted with periodical testing.

It is difficult or impossible to give reliable forecast for the remaining lifetime of a component. Periodical testing does not measure component aging.

It's better to replace components and modules when they fail.

Maintenance costs are usually a fraction of the costs of not maintaining. Costs from unplanned failures are usually many times bigger than direct maintenance costs.
