

Relion® REB500 version 8.2 Release Note (External)

Dear Reader,

The Relion® REB500 version 8.2, brings several new features and functional enhancements to the Relion® REB500.



The 4th Evolution of distributed busbar protection

REB500 belong to the Relion protection and control product family. The product is designed to provide the core values of the IEC 61850 standard. REB500 supports different busbar protection philosophies. A distributed solution can be made by assigning each physical bay unit into the corresponding bay cubical. Alternatively, bay units can be integrate into centralized cubicles.

New features and benefits

A number of new features are included in this release. The key features and their benefits are listed below:

- **Line backup protection**
The bay unit can be utilized as line backup protection. Distance protection and various current protection functions are available.
- **Web HMI**
Monitor information with a standard web browser. The HMI is providing a graphical single diagram with live breaker status including primary measurement.
- **Hot pluggable local HMI**
Investment can be optimized by using one HMI for several bay units. The local human machine interface can be connected to the bay unit without a restart.
- **IEC61850-8-1 GOOSE receive**
Breaker failure protection function can be initiated via IEC61805-8-1 GOOSE. This lowers the demand on physical binary inputs and wiring of copper cable.

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Life cycle statement

The release of the REB500 version 8.2 does not affect the product life cycle of REB500 version 7.x. Version 7.x will continue to be in active state and available for order.

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- **Central Unit**
6U, 3/4 * 19" Relion series
- **Bay Unit**
6U, 1/2 * 19" Relion series

For more details about the configurations and variants, please refer to the respective Product Guide.

Operation & Configuration tool

HMI500 version 8.2 tool is used for configuration and operation of the product.

Protection and control IED manager PCM600

REB500 version 8.2 is supported by Protection and control IED manager PCM600 version 2.7. For more details please refer to 9AKK106713A1710 "Protection and Control IED Manager PCM600 Ver. 2.7 Release Note".

Documentation

The product guide for REB500 version 8.2 is available via www.abb.com/protection-control as well as complete technical documentation

Marketing material

Marketing material including new features of Relion[®] REB500 is available via www.abb.com/protection-control.

Ordering and delivery

The REB500 version 8.2 products can be ordered as of today. For current delivery time, please get in touch with our sales contact at Grid Automation Products.

Kind regards,

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Grid Automation Products