

Protection Testing Library

What's New in Version 3.70

Compared to Version 3.60



1 New Protection Test Templates

1.1 ABB REG615 V5.1 Generator

Features:

- > Motor differential
- > Three-phase voltage-dependent overcurrent
- > Three-phase non directional overcurrent
- > Three-phase thermal overload protection with two time constants
- > Negative-sequence overcurrent for machines
- > Directional earth-fault
- > Three-phase overvoltage
- > Three-phase undervoltage
- > Residual overvoltage
- > Overexcitation
- > Overfrequency
- > Underfrequency
- > Three-phase underexcitation
- > Underpower
- > Reverse power/directional overpower

1.2 ABB REX640 V1.0 Motor

Features:

- > Stabilized and Instantaneous Differential Protection for Machines
- > Thermal Overload Protection for Motors
- > Motor Start-Up Supervision
- > Motor Load Jam Protection
- > Loss of Load Supervision
- > Three-Phase Non-directional Overcurrent
- > Directional Earth-Fault Protection
- > Negative-Sequence Overcurrent Protection for Machines
- > Phase Reversal Protection
- > Three-Phase Undervoltage Protection
- > Three-Phase Overvoltage Protection

1.3 Schneider MiCOM P439 671 Line – *RelaySimTest* templates added

The PTT was extended by two *RelaySimTest* templates for single-end and end-to-end testing.

Features:

- > Automatic reclosing, 1-/3-pole, with distance zone Z1B or differential protection
- > Teleprotection with distance protection

1.4 SEL 751 R300 Feeder

Features:

- > Phase Time Overcurrent
- > Directional Phase Overcurrent
- > Directional Residual Overcurrent
- > Directional Neutral Overcurrent
- > Neg.-Seq. Overcurrent

2 Updated Protection Test Templates

2.1 ABB REG630 V1.3 Generator

The PTT supports the *Advanced Power* test module introduced with *Test Universe 4.00*.

Changes:

- > Power protection – RIO Power and *Advanced Power* test module supported
- > Import filter functionality implemented for analog input modules
- > Delete Inactive Test Modules button added (TU user command, see 2.10)
- > Bugfixing

2.2 ABB REG670 V2.2.3 Generator

Changes:

- > Delete Inactive Test Modules button added (TU user command, see 2.10)
- > Bugfixing

2.3 ABB REM630 V1.3 Motor

The PTT supports the *Advanced Power* test module introduced with *Test Universe 4.00*.

Changes:

- > Power protection – RIO Power and *Advanced Power* test module supported
- > Import filter functionality implemented for analog input modules
- > Trip test with circuit breaker updated to use 52b contacts
- > Delete Inactive Test Modules button added (TU user command, see 2.10)
- > Bugfixing

2.4 ABB RET615 V5.1 Transformer

Changes:

- > Trip test with circuit breaker updated to use 52b contacts
- > Delete Inactive Test Modules button added (TU user command, see 2.10)
- > Bugfixing

2.5 ABB REX640 V1.0 Transformer

Changes:

- > Delete Inactive Test Modules button added (TU user command, see 2.10)
- > Bugfixing

2.6 GE Multilin 869 V2.4 Motor

Changes:

- > Delete Inactive Test Modules button added (TU user command, see 2.10)
- > Bugfixing

2.7 Schneider MiCOM P433 671 Line

Changes:

- > Updated to match firmware version 671 (including new distance zones)

- > Delete Inactive Test Modules button added (TU user command, see 2.10)
- > Bugfixing

2.8 SEL 300G R332 Generator

The PTT supports the *Advanced Power* test module introduced with *Test Universe 4.00*.

Changes:

- > Power protection – RIO Power and *Advanced Power* test module supported
- > Updated to match firmware version R332
- > Delta connected VTs supported
- > 100% Stator ground protection supported
- > Trip test with circuit breaker updated to use 52b contacts
- > Bugfixing

2.9 Siemens 7UM62x V4.7 Generator

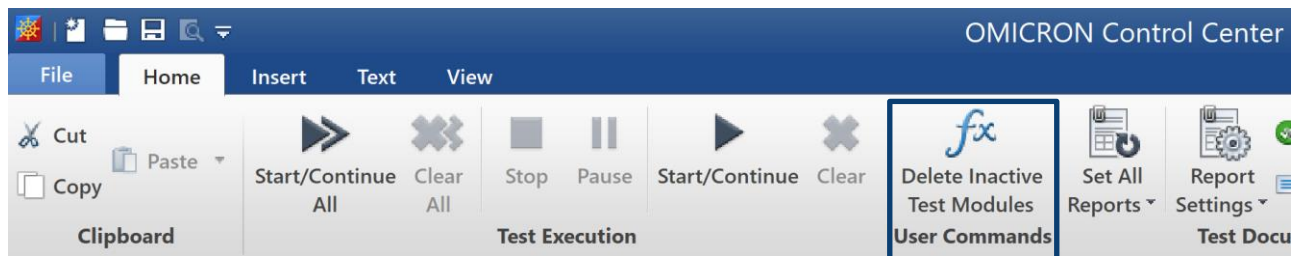
The PTT supports the *Advanced Power* test module introduced with *Test Universe 4.00*.

Changes:

- > Power protection – RIO Power and *Advanced Power* test module supported
- > Updated to match firmware version V4.7
- > Trip test with circuit breaker updated to use 52b contacts
- > Delete Inactive Test Modules button added (TU user command, see 2.10)
- > Bugfixing

2.10 General – Delete Inactive Test Modules

The Delete Inactive Test Modules button can be executed in the **Home** tab – group **User Command**:



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Subject to change without notice.