

Protection Testing Library (PTL)

## What's New in Version 5.30

Compared to Version 5.20



# 1 New Protection Test Templates

## 1.1 Arcteq AQ-F255C v2.5.7.1 Line

This item contains a *Protection Test Template* for *Test Universe*.

**Features:**

- > Line Differential Protection
- > Non-directional Phase Overcurrent Protection
- > Non-directional Earth Fault Overcurrent Protection

## 1.2 Ingeteam DA PT1 V1.0.4.0 Feeder

This item contains a *Protection Test Template* for *Test Universe*.

**Features:**

- > Directional Phase Overcurrent Protection
- > Directional Neutral Overcurrent Protection

### 1.2.1 XRIO Converter Parameter Import

Relay settings can be exported from the *Ingeteam pacFactory* software and imported into the **XRIO Converter** using the *Filter for Ingeteam pacFactory .csv Settings*.

## 1.3 Schneider P5M30 V2.502 Motor

This item contains a *Protection Test Template* for *Test Universe*.

**Features:**

- > Directional Phase Overcurrent Protection
- > Directional Ground Fault Overcurrent Protection
- > Negative Sequence Overcurrent Protection
- > Undercurrent Protection
- > Undervoltage Protection
- > Overvoltage Protection
- > Negative Sequence Voltage Imbalance Protection
- > Neutral Overvoltage Protection
- > Thermal Overload Protection
- > Motor Start-up Supervision
- > Locked Rotor Protection
- > Directional Power Protection

## 1.4 SEL 787-3 R303 Transformer

This item contains a *Protection Test Template* for *Test Universe*.

### Features:

- > Differential Protection
- > Phase Overcurrent Protection
- > Negative Sequence Overcurrent Protection
- > Residual Overcurrent Protection

### 1.4.1 XRIO Converter Parameter Import

Relay settings can be exported from the *AcSELeRator QuickSet* software and imported into the **XRIO Converter** using the *Filter for SEL 5030 .txt Settings*.

## 2 Updated Protection Test Templates

### 2.1 GE Multilin 845 V4.3x Transformer

#### Changes:

- > Update to match new firmware V4.3x
- > Support for Holmgreen-connected Ground CT
- > Minor bugfixes

### 2.2 GE Multilin 850 V4.3x Feeder

#### Changes:

- > Update to match new firmware V4.3x
- > Minor bugfixes

### 2.3 GE Multilin 869 V4.3x Motor

#### Changes:

- > Update to match new firmware V4.3x
- > Minor bugfixes

### 2.4 GE Multilin 889 V4.3x Generator

#### Changes:

- > Update to match new firmware V4.3x
- > Support for Thermal Model (ANSI 49)
- > Minor bugfixes

### 2.5 Protecta EuroProt E2-TR V2.10 Transformer

#### Changes:

- > Update to match Transformer Differential function block version 10
- > Minor bugfixes

## 3 PTL Archive

With the last PTL release 5.20, an archive has been introduced in which you will find test templates that are no longer maintained. The archive is accessible from the PTL section in the [customer portal](#).

### 3.1 Archive Updates

The following PTL items were moved to the Archive due to a firmware update:

- > GE Multilin 845 V2.6x Transformer
- > GE Multilin 750 V2.7x Feeder
- > GE Multilin 869 V2.4 Motor
- > GE Multilin 889 V2.8x Generator

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