

Real-time Fault Duty Predictor

Description:

This technology features a device and method that can accurately and correctly predict the expected bolted current at the test location of interest, which enables calculation of incident energy and the assignment of a flash-hazard risk category. This technology measure the "quality of power" through an Impedance-based ArcFault Determination Device (IADD) and method that, when attached to an electrical node on the power system and through observations on voltage, current and phase shift with a step load change, determine the effective Thevenin equivalent circuit or Norton equivalent circuit at the point of test.

Applications:

- Accurately and correctly predict the expected bolted current at test location of interest
- Determining arc fault and preventing injuries due to arc flash, whose exposure may result in server burns to the skin, and in some cases, death

Benefits:

- Meets OSHA regulations
- Prevents arc fault elated injuries
- It has Graphical User Interface (GUI)
- Easy method to calculate fault current
- Technology can be portable or fixed

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Licensing Status: Available for licensing
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