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I. Introduction

There has been an accelerated increase in the implementation and integration of renewable energy sources into transmission and distribution networks [1]. As a result of the inclusion of new generation technologies, concepts such as Microgrid (MG) [2] and Active Distribution Network (ADN) arose [3], describing distinct dy Stagnics to Quertin Distribution (DG) and the existing electric system. Due to these particular interactions, traditional protection schemes are prone to the risk of failure by problems of fault current, bidirectional power flows, and topological changes, among others [4].

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