SAMPLE SPECIFICATIONS

REB650

REB650 typical functions

The IED shall comprise hardware, time synchronization, monitoring, communication capabilities and other specifications as described in the 1MRG033852_en_Sample_specification_General_specifications_Relion_650 document. For the common protection, control, monitoring functionalities please refer to 1MRG033851_en_Sample_specification_Common_functions_Relion_650 document.

The IED shall support protection and control functionality. Control functionalities are described in 1MRG033849_en_Sample_specification_Bay_control_REC650.

For a complete overview of the functions available in this device, please refer to the Product Guide. For more details about the design of the functions and their applications, please refer to the Technical Manual and the Application Manual respectively.

High-impedance differential protection

The high-impedance differential protection function shall be used when the involved CT cores have the same turn ratios and similar magnetizing characteristics. It shall utilize an external summation of the currents in the interconnected CTs, a series resistor and a voltage-dependent resistor which are mounted externally and connected to the IED. The vendor shall be able to offer the external resistor unit. The function shall provide single-phase differential protection. A separate low-level alarm with an independent time delay is included.

In 650 series, this function is available only in REB650.