

ABSTRACT

A power distributor mounted on a controlgear accommodating therein a plurality of functional units and disposed between busbars laid internally of the controlgear and the functional units for supplying electric power to the plurality of functional units from the bus bars, the plurality of functional units being accommodated within the controlgear on a multiplicity of stages with a given number of the functional units being arrayed horizontally on each of the stages, wherein the power distributor is provided in one-to-one correspondence to the given number of functional units arrayed on each of the stages. The power distributor includes bus engaging means for forming grip connections with the bus bars, branch conductors connected to the bus engaging means for distributing electric power correspondingly to the functional units from the bus bars, power-supply-side main circuit engaging means connected to the branch conductors at one side while forming grip connections with power-supply-side main circuit connectors of the functional units at the other side to thereby supply electric power to the functional units from the bus bars, load-side main circuit engaging means forming grip connections with load-side main circuit connectors of the functional units for outputting distributed electric power to external from the functional units, and distributor-side control circuit connectors connected to unit-side control circuit connectors of the functional units for supplying control signals to the functional units, wherein a number of sets of the power-supply-side main circuit engaging means, the load-side main circuit engaging means and the distributor-side control circuit connector provided for one power distributor corresponds to the number of the functional units arrayed on a corresponding one of the stages.



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