

Title (en)
TRANSFER SWITCH APPLIANCE

Title (de)
ÜBERTRAGUNGSSCHALTERANWENDUNG

Title (fr)
APPAREIL DE COMMUTATEUR DE TRANSFERT AUTOMATIQUE

Publication
EP 2892068 A1 20150708 (EN)

Application
EP 13832595 A 20130828

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Abstract (en)
The present invention discloses a transfer switch appliance, installed between a primary side power supply and a backup side power supply. The transfer switch appliance comprises a front base, a rear base, a contact system, and an operation system. The front base and the rear base combine to define a space. The contact system is installed within the space. The contact system closes or breaks a circuit. The contact system comprises a moving contact and a static contact. The moving contact comprises three work positions, namely a primary side position, an intermediate position, and a backup side position. The operation system is installed on the front base. The operation system is an energy storage mechanism implementing disconnecting/closing operations. The operation mechanism is connected to the moving contact via a connecting rod. The operation system comprises a primary side operation mechanism and a backup side operation mechanism connected by a gear group. The primary side operation mechanism and the backup side operation mechanism are installed respectively on the upper side and lower side of the front base. The primary side operation mechanism and the backup side operation mechanism are connected to a handle or an electric motor via a common shaft. The handle or the electric motor completes an energy storage operation with respect to both the primary side operation mechanism and the backup side operation mechanism within one circle.

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