

following ratings: Maximum Voltage (rms): 13.8 kV, ANSI Rating Basis: MVA Rated, Operating Voltage: 13.8 kV, Short Circuit Current Rating: 25 KA, Close Voltage: 125 VDC, Trip Voltage: 125 VDC.

[0041] The ceiling and walls of the trailer housing for the switchgears 109 and 111 can be insulated with fire resistant material. This helps to prevent an ongoing fire in the case of an accidental arc flash or electric component failure. Furthermore, doors leading to the inside of the switchgear housing can be locked from the outside; thereby preventing access from any unauthorized and untrained workers. The doors, however, can still be opened from the inside, in order to prevent personnel from being accidentally locked inside. In addition, all external power cable plug-ins are clearly labeled and marked so personnel can see where a particular cable is connected without confusion. This will also prevent cables from being run to the wrong pieces of equipment.

[0042] According to some embodiments, the inside of the switchgear housing can be illuminated with standard 120 V LED lights to provide a well-illuminated internal working environment. If there is a loss of power on the switchgear trailer, a battery operated emergency light can be automatically activated. This will make sure that workers will always have a source of light for a safe working environment.

[0043] In addition, switchgears 109 and 111 can have the capability to receive an Emergency Power Off signal from a datavan. This signal is designed to shut down the compressors and any running equipment as well as disconnect the breakers in the switchgears. It is a hardwired connection that provides a failsafe in the event of an emergency. Also, the trailer can be equipped with standard air brakes and front landing gear to insure a stable base that will not shift or roll once the switchgear is in position and deployed at a well site.