

DUAL CONTACTOR ELECTRICAL PANELBOARD ASSEMBLY, SYSTEMS AND METHODS

ABSTRACT

A panelboard assembly for a harsh and/or hazardous environment is provided. The panelboard assembly includes a main breaker assembly, a first subpanel assembly, and a second subpanel assembly. The first subpanel assembly includes a first contactor assembly, and a first branch breaker assembly electrically connected to the first contactor assembly and configured to be electrically connected to a first group of loads. The first contactor assembly is configured to switch the first group of loads on and off all at once. The second subpanel assembly is electrically connected in parallel to the first subpanel assembly, and includes a second contactor assembly and a second branch breaker assembly electrically connected to the second contactor assembly and configured to be electrically connected to a second group of loads. The second contactor assembly is configured to switch the second group of loads on and off all at once.

FIG. 1