

ABSTRACT

BUSBAR ASSEMBLY

The invention is an integration of plug-bases, dropper busbar holders and compartment separation adapted in electric switchgear assemblies or panel boards; and is an assembly of a rigid rectangular main embodiment (1) and an auxiliary embodiment (50). The main embodiment (1) has a configuration of plug-holes (12) which allow the plugs, particularly incoming plugs, to be directly contacted with dropper busbars (2) installed in the vertical recessed channels (33) in the rear surface (30) of the said embodiment (1); thus, the invention provides high adaptability to a wide range of plugs. Self-tapping screw holes (16 & 34) are arranged in rows on the front and the rear surfaces (10 & 30) of the embodiment (1) in order to facilitate mounting of plug-bases and dropper busbar supporting holders, respectively. The parallel recessed channels (33) and the array of self-tapping screw holes (34) on the rear surface (30) further assures the easy switching of dropper busbars (2). The projected male clips (8) on the top horizontal edge and the receptacle female clips (9) on the bottom horizontal edge of the main embodiment (1) are clipped together to extend the separation according to the requirement of the frame structure of the switchgear assembly/panel board. The protection against accidental insertion of objects has been significantly reduced by a shutter palate assembly (20) installed on the front surface (10) of the main embodiment (1).