

MOLDED CASE POWER SWITCH HOUSING WITH REMOVABLY SECURED SECONDARY COVER

ABSTRACT

The secondary cover (19) of a molded case power switch housing (1) is removably secured in place to enclose cavities (13, 15) in the insulative resin of a primary cover (7) by an attachment assembly (25) which includes metal attachment members (27) or inserts seated in recesses (33) in the primary cover (7). These inserts (27) have tapped apertures (29) aligned with mounting holes (35) in the secondary cover (19) through which screw fasteners (37) are inserted and threaded into the tapped apertures (29). Such metal to metal connections can be repeatedly coupled and decoupled without significant wear as the secondary cover (19) is removed and reinstalled to gain access to auxiliary devices mounted in the cavities (13, 15) in the primary cover (7). The inserts (27) have second mounting apertures (31) through which self tapping screws (45) extend into the primary cover (7) or through mounting holes (41) in the primary cover (7) and into the resin of the base (3) to mount the inserts (27) on the primary cover (7) and to secure the primary cover (7) to the base (3).

Fig. 2