

VT2



INTRODUCTION & TYPE TEST DATE : 1973	ANNUAL UNITS PRODUCED : 25
UNITS IN SERVICE : >1000	CONTINUOUS CURRENT : 2000-4000 AMPS
SHORT CIRCUIT : 99-232 kA PEAK (38-89 kA 3 SECOND)	VOLTAGE : 123-765 kV
BIL : 550-2,050 kV	INSULATOR : LAPP -----

The VT2 switch is a heavy duty solution for a vertical reach design application. Operation of the switch is accomplished through rotation of the outside hinge insulator. Aluminum components are utilized throughout the design except in critical current transfer areas where copper and copper alloy castings are employed. Sealed high pressure current transfer joints in the blade hinge assure trouble free operation. A torsional gear drive is utilized for EHV ratings to minimize the required torque that is transferred through the linkage. A worm gear is employed at the rotating insulator to ensure consistent operation. The VT2 vertical break switch design allows for mounting at minimum recommended phase spacing. Additional clearance is required for the open blade position.