

POWERSWITCH

1000 VDC TRACTION POWER
CONTROL COMPONENTS

1000 VDC LOAD BREAK SWITCH

POWERSWITCH LOAD BREAK SWITCHES ARE ESPECIALLY DESIGNED TO SWITCH HIGH VOLTAGE DC AUXILIARY CIRCUITS ON AND OFF WHEN LOW VOLTAGE CONTROL POWER IS UNAVAILABLE AND WHEN REMOTE CONTROL IS UNNECESSARY. THESE SWITCHES HAVE THE SAME PERMANENT MAGNET BLOWOUTS AND DOUBLE BREAK CONTACTS THAT HAVE PROVEN SUITABLE TO INTERRUPT 35 AMPS AT 1000 VOLTS DC AND 50 AMPS AT 750 VOLTS DC WITH LITTLE OR NO CONTACT DAMAGE AFTER THOUSANDS OF ON-OFF CYCLES.

DESIGNED FOR CONTINUOUS DUTY APPLICATIONS, THESE SWITCHES HAVE HIGH CONDUCTIVITY COPPER LIVE PARTS AND LARGE SILVER ALLOY CONTACTS PROVIDING COOL OPERATION AND UNMATCHED LIFE EXPECTANCY. THE DOUBLE BREAK CONTACTS AND PERMANENT MAGNET BLOWOUTS INCLUDED STRETCH THE ARC ON OPENING TO LIMIT ARCING TIME TO LESS THAN FIVE MILLISECONDS.



RATINGS

50 AMPS @ 750 VOLTS DC
35 AMPS @ 1000 VOLTS DC

SHOWN HERE IS A SINGLE POLE SINGLE THROW ASSEMBLY. TWO AND THREE POLE CONFIGURATIONS WHICH CAN BE CONNECTED IN PARALLEL FOR HIGHER CURRENT APPLICATIONS AND DOUBLE THROW ASSEMBLIES ARE ALSO AVAILABLE.

FEATURES

PRECISE CONTACT GAP ADJUSTMENT

CONSISTENT LOW CONTACT RESISTANCE IS ACHIEVED BY PRECISE ADJUSTMENT OF THE PUSH ROD TRAVEL DURING PRODUCTION.

PERMANENT MAGNET BLOWOUTS

PERMANENT MAGNETS STRETCH THE ARC ON OPENING TO PROTECT THE SILVER ALLOY CONTACTS INDEPENDENT OF LOAD CURRENT.

FAST OPENING ACTUATOR

OVER CENTER QUICK BREAK SPRING ACTUATOR, SHORT STROKE, AND LOW MASS MOVING PARTS ASSURE FAST OPENING AND CLOSING.

LONG LIFE EXPECTANCY

DESIGN TESTS USING THE SAME CONTACTS AND BLOWOUTS INDICATE NO CONTACT DAMAGE AFTER MANY CYCLES INTERRUPTING 50 AMPS AT 750 VDC.

POWERSWITCH, Inc.

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