

ROSS ENGINEERING CORPORATION

WORKSHEET H.V. RELAYS / SWITCHES

Name: _____ Company: _____ Date: _____

Please fill in as much as possible so Ross Engineering Corp. can recommend the best device for the application!

HIGH VOLTAGE CAPABILITY

Ross HV devices are rated with 60Hz PK test voltage, 1min. hold without breakdown, at sea level in air at standard temperature & pressure.

What is the actual continuous working high voltage? _____ kV DC. _____ kV AC RMS. _____ kV PK. _____ kV PK pulse.
Pulse width _____ μSEC. Pulse Duty Cycle _____ % _____ PPS. _____ Rise time.

To be used in _____. Air atmosphere In Oil In PSI SF6 At what temperature? _____.

What is the frequency of HV? _____ Hz. Used at _____ Ft. _____ Meters max. altitude.

Is there a test voltage (one minute hold) required? (Y/N) _____. If Yes: _____ kV DC. _____ kV RMS 50/60Hz. _____ kV PK.

Is there a basic impulse level required (BIL, 1.2 μSEC X 50 μSEC wave)? (Y/N) _____. If Yes: _____ kV PK.

Contact configuration required: NC NO DT Latched Number of poles: _____.

How many continuous amps must it carry? _____ Amps RMS. _____ Amps PK.

How long must it carry current? _____.

Does it have to close on current? (Y/N) _____. If Yes: _____ Amps.

Does it have to carry maximum current after making or breaking current & reclosing? (Y/N) _____. If Yes: _____ Amps.
 Continuous or _____ seconds momentary.

Capacitor Discharge: _____ Joules (Watt Seconds). _____ μFD. _____ Amps PK. _____ Time to reach 5RC in μSEC.

Does it have to break load current? (Y/N) _____. If Yes: _____ Amps. _____ DC. _____ AC.

Does it have to interrupt a short circuit? (Y/N) _____. If Yes: _____ Amps RMS.

Required speed: To open _____ millisec. To close _____ millisec. Delay required: _____ sec. to close. _____ sec. to open.

ACTUATOR

What is the solenoid, motor or air valve actuator voltage? _____ V, and frequency? _____ Hz.

50Hz, 60Hz, 400Hz, DC & special available. Or _____ PSI air pressure. Do you require 4-way air valve included? _____.

(Momentary actuator pull-in current for 10-100 Millisec may be 5 to 20 times continuous holding current:)

Are enough amps available from power supply to maintain at least 90% voltage during pull-in? _____ Amps.

How many sets of SPDT auxiliary contacts needed? _____ . _____ Amps. _____ Volts AC. _____ Volts DC.

For 60kV PK and under units Standard is SPDT 11A 250V AC, 5A 30V DC. Over 60kV units have 15 amp 450V AC. Higher voltage and/or current available.

Ambient temperature range during operation: _____ °C to _____ °C.

Operational life required: _____ No. of operations per week for _____ years.

Other requirements: _____



ROSS ENGINEERING CORP.

540 Westchester Dr., Campbell, CA 95008
PHONE:(408)377-4621 FAX:(408)377-5182
www.rossengineeringcorp.com
e-mail: info@rossengineeringcorp.com