|  |  |  |  |
| --- | --- | --- | --- |
| Name & Title: |   | Date: |   |
| Company: |   | Phone: |   |
| Address: |   | E-mail: |  |
| City/State/Zip: |   | **Final Application:** |   |

**Relays Operating Parameter Questionnaire**

---------------------------------------------------------- HIGH VOLTAGE CAPABILITY ----------------------------------------------------

* 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 max. 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.

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-------------------------------------------------------- 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:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Comments / further description of the system: