

HIGH VACUUM, HIGH VOLTAGE RELAY

The type 6330 vacuum relay is a normally closed, single pole, double throw high voltage device. It is externally operated by a direct current solenoid and it is ideally suited for switching purposes in DC pulse systems. It can, however, be employed in many circuits where the switching of current and the isolation of high voltage is required. For pulse application, switching is done under no-load conditions.

Electrical characteristics:

The breakdown test voltage between open contacts shall be 20 kilovolts DC.

Typical pulse operation: Pulse duration = 2.4 microseconds
Pulse repetition = 420 pulses per second
Peak current = 300 amperes

Pull-in current. With Pioneer coil 5TA-76, the pull-in current shall not exceed 115 milliamperes.

Typical DC conditions: 1.5 amperes at 5 kilovolts. This may be switched under load in non-inductive circuits.

Mechanical data: The external electromagnetic coil is located axially over the arm of the switch that contains the soft iron core.

