

PV26 Field Checklist Vacuum Interrupter Maintenance Table

VI Mfg.	G.E.
VI Part #	PV52-C
VI Assm#	60152.G1
kV/kA K > 1	5kV/29kA
Continuous Current	1200, 2000
Push Rod	690640-G1
Contact Stroke	.531" - .625"
Push Rod over travel Nut gap	.437" ± .062"
Contact Resistance (maximum allowable)	1200-65 2000-55
Opening Speed	50 - 80"/sec
Opening Time	40- 50ms - 5 cycle
Closing Speed	30 - 48"/sec.
Closing Time	≤ 80ms

Contact Stroke	Breaker "contact travel" in inches, determined by measuring the difference between the closed and open position of the lower contact block. Stroke will vary depending upon operational conditions.
Nut gap (Contact Spring Loading Force)	Dimensional measurement of the gap between the bell crank and the nut on the end of the VI actuator.
Contact Resistance	Maximum conductor path resistance, measured in micro ohms, from the upper to lower primary stabs.
Closing time	Time measurement in milliseconds, initiated at application of closing voltage and stopped at contact touch.
Closing speed	Determined by 0.25 S (S = breaker stroke measured in inches) divided by Tc (Tc = Elapsed time in milliseconds for the breaker contacts to travel the last 25% of the breaker closing stroke)
Opening time	Time measurement in milliseconds, initiated at application of opening voltage, and stopped at contact part.
Opening speed	Determined by 0.75 S (S = breaker stroke measured in inches) divided by Tt (Tt = Elapsed time in milliseconds for the breaker contacts to travel the first 75% of the breaker opening stroke)