

15kV CLASS PAD-MOUNTED VACUUM SWITCH WITH VISIBLE ISOLATION (FVS) AND VACUUM FAULT INTERRUPTER WITH VISIBLE ISOLATION (FVI) - RATINGS (Tested Per C37.60 and C37.74)

FVS Vacuum Switch or FVI Fault Interrupter - Ratings

Maximum Voltage Rating	15.5kV
Impulse Rating (BIL)	95kV
Frequency	50/60 Hz
Rated Continuous Amps	630A
Rated Short-Time Withstand (3 Seconds, Sym.)	12,500A
Rated Peak Withstand	32,500A
Rated Cable Charging Interrupting Current	10A
Mechanical Operations (Close-Open)	2,000 ^(a)

FVS Vacuum Switch - Ratings (per C37.74)

Rated Load Current Switching	630A
Rated (Fault) Making Current (Asym.)	20,000A ^(b)

FVI Vacuum Fault Interrupter - Ratings (per C37.60)

Amps, RMS Symmetrical	12,500A
Short Circuit Interrupting Amps, RMS, Asymmetrical	20,000A
Peak Withstand Current, Amps	32,500A
Rated Line Charging Interrupting Current	2A
Fault Duty Rating	116 Operations ^(c)

IEEE Std. C37.60-2012			
Table 12 - Performance Characteristics - Standard Operating Duties			
Test Duty Level	Percent of Operating	Test Value	Number of Unit Operations
T20	15% - 20%	2 kA	44
T50	45% - 55%	6 kA	56
T100	90% - 100%	12.5 kA	16
Total Number of Operations			116

Additional Electrical Ratings

Visible Isolation Disconnect - Impulse (BIL)	95kV
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Notes:

- a) Verified mechanical operations, per C37.60. Ultimate mechanical duty-cycle of vacuum bottles estimated to be in excess of 10,000 operations.
- b) Based on the C37.60 duty-cycle series – T-100 operation (16 operations @ 90% - 100%)
- c) Fault interruptions per duty-cycle, Table 12, C37.60 – 16 @ 90% - 100% (T-100), 56 @ 45% - 55% (T-50), and 44 @ 15% - 20% (T-20)

Specifications must be verified by factory.

Every effort is made to ensure that customers receive up-to-date information on the use of Federal Pacific products; however, from time to time, modifications to our products may without notice make the information contained herein subject to alteration.

