The minimum I2t rating for medium voltage type SD and HD single-phase capacitors is 2,000,000 amp² seconds for fault currents of 10,000 amps or less.

Minimum clearing time (0.8 cycle) for safe coordination with explosion fuses.

Safe zone: Safe for most applications; usually no greater damage than slight swelling of case.

Unsafe zone: Unsafe for most applications; case may rupture.

For times shorter than 0.1 second, use asymmetrical rms amps.