

The California Electrical Code requires the installation of service equipment with overcurrent protective devices with a short circuit current rating equal to, or not less than, the available fault current provided by the Utility, and when applicable, the contribution to fault current from customer's motor contribution.

SDG&E's maximum contribution to fault current is stated as follows:

1. Residential – Applicable to a single family residence or duplex as defined in Rule 1 (which may include a house meter for a total of 3 meters), multi-family residential service consisting of 3 or more dwelling units, or a mobile home. Also applicable to service used in common for residential purposes in a multi-family dwelling, on a single premises, whether separately metered or combined with service to an individual dwelling unit. The Utility's contribution to the available fault current at the point of connection of SDG&E's service conductors to the customer's facilities will not exceed the values listed in Table 1.

**TABLE 1**

Phase	Serving Voltage	Service Entrance Ampacity	Utility's Contribution to Fault Current Will Not Exceed
1Ø	120/240	225 amps or less	10,000 amps
1Ø	120/240	226 – 600 amps	22,000 amps
1Ø	120/208	200 amps or less	42,000 amps
*1Ø	120/240	800 amps	42,000 amps
3Ø	120/240	600 amps or less (See Note 4)	42,000 amps
3Ø	208Y/120	201 – 3000 amps or less	42,000 amps
3Ø	208Y/120	3001 – 4000 amps	65,000 amps

\* Deviation required for 800 ampere, or above, single-phase service requests.

2. Non-Residential – Applicable to all non-residential occupancies such as, but not limited to, commercial, industrial, agricultural, governmental, educational institutions, hospitals, medical clinics, etc.. The Utility's contribution to the available fault current at the point of connection of SDG&E's service conductors to the customer's facilities will not exceed the values listed in Table 2.

**TABLE 2**

Phase	Serving Voltage	Service Entrance Ampacity	Utility's Contribution to Fault Current Will Not Exceed
1Ø	120/208	200 amps or less	42,000 amps
1Ø	120/240	400 amps or less	42,000 amps
1Ø	240/480	200 amps or less	10,000 amps
3Ø	120/240	600 amps or less (See Note 4)	42,000 amps
3Ø	208Y/120	3000 amps or less	42,000 amps
3Ø	208Y/120	3001 amps – 4000 amps	65,000 amps
3Ø	480	600 amps or less (See Note 5)	30,000 amps
3Ø	480Y/277	2000 amps or less	30,000 amps
3Ø	480Y/277	2001 amps – 3000 amps	45,000 amps
3Ø	480Y/277	3001 amps – 4000 amps	65,000 amps

3. SDG&E's available fault current for medium and high voltage services will be calculated on an individual basis and will be quoted for both the initial and ultimate three-phase, line to line, and line to ground fault current values.
4. Maximum service panel size allowed to be served by a 120/240 volt, three-phase delta transformer installation, overhead or underground, is 600 amperes.
5. Maximum service panel size allowed to be served by an overhead 480 volt, three-phase delta transformer installation is 600 amperes.

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