Maximum Secondary Fault Current (Amperes)

Single-Phase Transformers Overhead / Underground Service

Transformer Size / Type	Impedance	120 / 240 volt Single-Phase	120 / 208 volt Three-Phase	277 / 480 volt Three-Phase
1-10 KVA/1-ph	1.5	2778	n/a	n/a
1- 15 KVA/1-ph	1.5	4167	n/a	n/a
1-25 KVA/1-ph	1.5	6944	n/a	n/a
1-50 KVA/1-ph	1.5	13889	n/a	n/a
1-75 KVA/1-ph	1.7	18382	n/a	n/a
1-100 KVA/1-ph	1.7	24510	n/a	n/a
1-167 KVA/1-ph	1.7	40931	n/a	n/a

Three-Phase Transformers Overhead Service

Transformer Size / Type	Impedance	120 / 240 volt Single-Phase	120 / 208 volt Three-Phase	277 / 480 volt Three-Phase
15 KVA	1.5	n/a	2776	1203
30 KVA	1.5	n/a	4898	2406
75 KVA	1.5	n/a	13879	6014
150 KVA	1.5	n/a	27758	12028
225 KVA	1.7	n/a	36739	15920
300 KVA	1.7	n/a	48985	21227

Three-Phase Padmount Transformers Underground Service

Transformer Size / Type	Impedance	120 / 240 volt Single-Phase	120 / 208 volt Three-Phase	277 / 480 volt Three-Phase
75 KVA	1.6	n/a	13012	5638
112.5 KVA	3.0	n/a	10409	4511
150 KVA	3.0	n/a	13879	6014
225 KVA	3.0	n/a	20819	9021
300 KVA	3.0	n/a	27758	12028
500 KVA	3.6	n/a	38553	16706
750 KVA	5.32	n/a	39133	16957
1000 KVA	5.32	n/a	52177	22610
1500 KVA	5.32	n/a	78265	33915
2000 KVA	5.32	n/a	104354	45220
2500	5.32	n/a	130442	56525

NEC-Fault Current Calculation 2017

Impedance is based on KPUB's Transformer Information