



DISTRIBUTION ENGINEERING REFERENCE MANUAL

SECONDARIES AND SERVICES

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TABLE 7.12

AVAILABLE 3 – PHASE SECONDARY FAULT CURRENT

SECONDARY VOLTAGE 120/208V

XFMR KVA RATING	12 KV OVHD Z%	FAULT CURRENT	12 KV PDMT Z%	FAULT CURRENT	35 KV PDMT Z%	FAULT CURRENT
45	2.2	5677				
75	1.5	13878	1.7	12245	2.3	9051
112.5	1.6	19517	1.43	21836	2.03	15383
150	1.9	21914	1.39	29954	1.8	23131
225	2.0	31227	1.51	41360	2.16	28914
300	N/A	N/A	1.5	55514	2.0	41636
500	N/A	N/A	1.61	86203	2.0	69393
750	N/A	N/A	5.68	36651	5.5	37850
1000	N/A	N/A	5.59	49655	5.78	48023
1500	N/A	N/A	5.67	73432	6.91	60254

SECONDARY VOLTAGE 277/480V

XFMR KVA RATING	12 KV OVHD Z%	FAULT CURRENT	12 KV PDMT Z%	FAULT CURRENT	35 KV PDMT Z%	FAULT CURRENT
75	1.8	5012	1.57	5746	1.7	5306
112.5	1.5	9021	1.59	8510	1.7	7960
150	1.9	9496	1.4	12887	1.4	12887
225	2.0	13532	1.5	18042	1.4	19331
300	N/A	N/A	1.46	24715	1.75	20620
500	N/A	N/A	1.69	35586	1.7	35377
750	N/A	N/A	5.5	16402	5.55	16254
1000	N/A	N/A	5.7	21102	5.34	22525
1500	N/A	N/A	5.6	32218	5.68	31764
2500	N/A	N/A	5.4	55686	5.61	53601



SECONDARIES AND SERVICES

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TABLE 7.13

AVAILABLE 1 – PHASE SECONDARY FAULT CURRENT

SECONDARY VOLTAGE 120/240V

XFMR KVA RATING	12 KV OVHD Z%	FAULT CURRENT	12 KV PDMT Z%	FAULT CURRENT	35 KV OVHD Z%	FAULT CURRENT	35 KV PDMT Z%	FAULT CURRENT
25	2.2	7891	2.7	6430	1.9	9137	1.94	8949
50	2.0	17361	1.9	18275	2.6	13355	2.21	15711
75	2.3	22645	2.19	23782	2.7	19290	2	26042
100	1.8	38580	1.8	38580	2.19	31710	2.39	29056
167	2.74	42326	1.7	68218	2.31	50204	3.32	34931
333	3.16	73180	N/A	N/A	3.09	74838	N/A	N/A

SECONDARY VOLTAGE 240/480V

XFMR KVA RATING	12 KV OVHD Z%	FAULT CURRENT	35 KV OVHD Z%	FAULT CURRENT
25	2.12	4095	2.9	2993
50	1.78	9753	2.0	8681
75	1.6	16276		