

MAXIMUM FAULT CURRENTS FOR OVERHEAD TRANSFORMERS

FOR SINGLE PHASE TRANSFORMERS

TRANSFORMER SIZE(kVA)	MAXIMUM FAULT CURRENT IN AMPS @ 240 V	MAXIMUM FAULT CURRENT IN AMPS @ 480 V
5	1,400	
7.5	2,100	
10	2,800	
15	4,800	
25	7,400	3,700
37.5	11,200	
50	14,900	7,400
75	22,300	10,400
100	32,100	12,300

FOR THREE PHASE TRANSFORMER BANKS

POLE OR VAULT INSTALLATIONS

TRANSFORMER BANK SIZE(kVA)		SECONDARY MAXIMUM FAULT CURRENT IN AMPS			
		120/208 V	240 V	277/480 V	480 V
45	3-15 kVA	9,600	8,300		
75	3-25 kVA	16,000	13,900	6,900	6,900
150	3-50 kVA	32,000	27,800	13,900	13,900
225	3-75 kVA	48,000	41,600	20,800	20,800
300	3-100 kVA	64,100	55,500	27,800	27,800
500	3-167 kVA	86,700	75,200	37,600	37,600
750	3-250 kVA			37,600	37,600
1000	3-333 kVA			50,100	50,100
1500	3-500 kVA			75,200	75,200
2500	3-833 kVA			52,300	52,300

NOTE: THE FAULT CURRENTS LISTED ABOVE ARE MAXIMUM FAULT CURRENT VALUES. IF MORE EXACT VALUES ARE NEEDED FOR ARC FLASH STUDIES, PROTECTION COORDINATION STUDIES, OR OTHER REASONS, PLEASE CONTACT TODD CULP(X3345) OR DAN TESAREK(X3341).

