

U/L Requirements

Testing – Circuit Breakers – 3 Pole 600 V.A.C.

Test Parameter Frame GROUP1	150A	225A	600A	1200A	2000A	2500A	3000A	4000A
1. Calibration								
200%	6Min	10Min	14Min	24Min	28Min	30Min	30Min	30Min
135%	W-2HR	W-2HR	W-2HR	W-2HR	W-2HR	W-2HR	W-2HR	W-2HR
100%	Must Not Trip			Must Not Trip				
2. Overload								
Amperes	90	1350	3600	7200	12000	15000	18000	24000
Operations	50	50	50	50	25	25	3	3
Amperes	-	-	-	-	-	-	6000	8000
Operations	-	-	-	-	-	-	25	25
Total Operations	50	50	50	50	25	25	28	28
3. Temperature								
Max Temp. Rise on Conductors	50°	50°	50°	50°	50°	50°	50°	50°
At C/B C Test Conductor								
Temp Rating C	75°							
4. Endurance Test								
Load Amperes	150	225	600	1200	2500	2500	3000	4000
No. of Operations	4000	4000	1000	500	500	500	400	400
No Load No. of								
Operations total	4000	4000	5000	2000	2000	2000	1100	1100
Operations	8000	8000	6000	2500	2500	2500	1500	1500
5. Recalibration								
200%	X	X	X	X	X	X	X	X
135%	X	X	X	X	X	X	X	X
6. Short Circuit St'd U/L Test								
Amperes/P.F. (Common)	10K 45-50%	10K 45-50%	10K 45-50%	14K 25-30%	25K 15-20%	30K 15-20%	35K 15-20%	45K 15-20%
Amperes/P/F/ (Each Pole)	8660 45%	8660 45%	8660 45%	12120 25-30%	14K 25-30%	20K 25-30%	25K 15-20%	30K 15-20%
(a) Operations (Common)	2	2	2	2	1	1	1	1
(b) Operations (each Pole)	2	2	2	2	2	2	2	2
7. Trip Out								
200%	X	X	X	X	X	X	X	X
8. Dielectric								
@ 2200 Volts	X	X	X	X	X	X	X	X
High Break Ratings								
Group II								
New Sample								
1. Calibration								
200%	X	X	X	X	X	X	X	X
2. Short Circuit								
HiBreak	Ratings vary depending on circuit breaker line and frame size- Consult BUYLOG. Tests are on "O" Operation and a "CO" Operation, 3-Phase.							
600 (c) (co-oco)	18K	22K	25K	25K	85K	85K	85K	85K
3. Recalibration								
250% - Same Trip Time As 200%								
As 200% Calibr.	X	X	X	X	X	X	X	X
4. Dielectric								
1200V	X	X	X	X	X	X	X	X