

Oscillogram No.: **HPL3-77456** OCV = **240 V**  
Date of Test: 10/5/2023 Time of Test: 11:45:17 AM



High Power Laboratory, HPL3 Facility  
Cedar Rapids, Iowa, USA

AVAILABLE CIRCUIT CHARACTERISTICS:  
Osc. No: 59187 Calibration Date: 1/11/2023  
OCV = 240 V Rms Sym Current = 10.12 kA  
Power Factor = 49%

Project No.: 6000001332 TestFlow No.: TESLA  
Test Device: Square D 22kA/ Siemens 125  
Sample No.: 15

#### ANALYSIS RESULTS TABLE

Closing Angle	5 Deg.
Closing time (V0)+	233.6 $\mu$ Sec
Peak Current (Ip)	8.213 k Amps
Time to Ip	4.309 m Sec
I <sup>2</sup> T	209.1 k Amp <sup>2</sup> sec
I Duration	7.821 m Sec

#### Performance Observations

Was the Breaker Tripped after the test?	Yes
Could the Breaker be Reset?	Yes
Did it have continuity in all poles?	Yes
Was the Enclosure Fuse Opened?	No

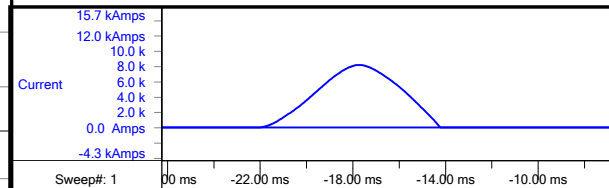
#### Comment Section

Main & Branch Breaker Tripped

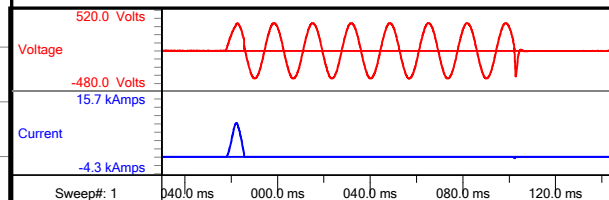
GRID ON

INVESTIGATION

#### Analysis results are based on this data



#### TOTAL VIEW



#### INSTRUMENTATION DATA

Data Recording System: HBM GEN3T C/N 063-163

Voltage "A": 100X Scope Probe, C/N 131-554, 1%

PLOT FILE HPL3\_CR\_1\_M

Current "A": Rogowski CT Coil, C/N 045-444

NOTE: Channel offset removed for analysis,  
but not for display.

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