



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION**

**APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP-0540

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Cummins Power Generation

Manufacturer's Technical Representative: Danielle Malone

Mailing Address: 1400 73rd Ave NE, Fridley, MN 55432

Telephone: (763) 574-5361

Email: danielle.malone@cummins.com

Product Information

Product Name: Switchgear/Switchboards

Product Type: Switchgear - Low Voltage

Product Model Number: GEN A, MAIN A, UMGM A, FDR A, FDR M, FDR TM

General Description: Genset Paralleling, Genset Main, Utility Main and Feeder Switchgears in NEMA Type 1 or 3R

Mounting Description: Rigid, base mounted

Tested Seismic Enhancements: None

DATE: 05/23/2022

Applicant Information

Applicant Company Name: The VMC Group

Contact Person: John Giuliano

Mailing Address: 113 Main Street, Bloomingdale, NJ 07403

Telephone: (973) 838-1780

Email: john.giuliano@thvmcgroup.com

Title: President





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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

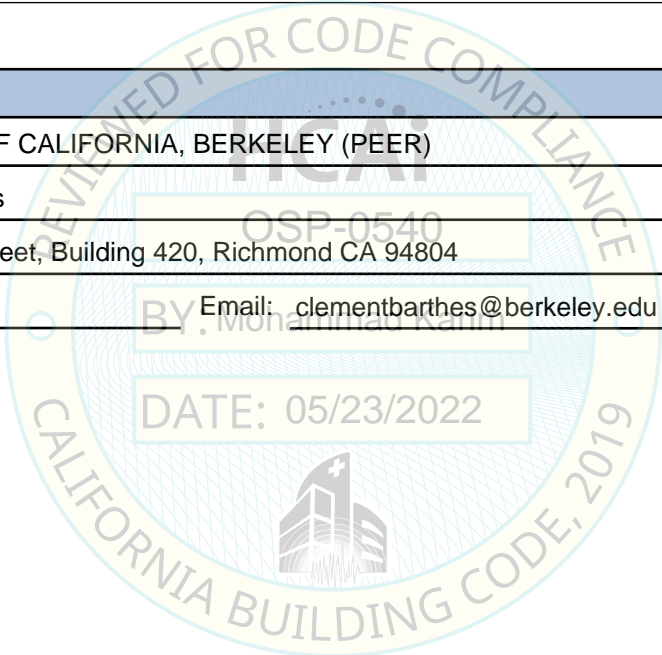
Company Name: THE VMC GROUP
Name: Kenneth Tarlow California License Number: S2851
Mailing Address: 980 9th Street, 16th Floor, Sacramento, CA 95814
Telephone: (832) 627-2214 Email: ken.tarlow@thevmcgroup.com

Certification Method

GR-63-Core ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
 Other (Please Specify): _____

Testing Laboratory

Company Name: UNIVERSITY OF CALIFORNIA, BERKELEY (PEER)
Contact Person: Clement Barthes
Mailing Address: 1301 S. 46th Street, Building 420, Richmond CA 94804
Telephone: (510) 665-3409 Email: clementbarthes@berkeley.edu





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FACILITIES DEVELOPMENT DIVISION**

Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.50 (z/h=1); 1.13 (z/h=0)

SDS (Design spectral response acceleration at short period, g) = 2.0 (z/h=1); 2.5 (z/h=0)

a_p (Amplification factor) = 2.5

R_p (Response modification factor) = 6.0

Ω_0 (System overstrength factor) = 2.0

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 1 and 0

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

HCAI Approval (For Office Use Only) - Approval Expires on 05/23/2028

Date: 5/23/2022

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = See Above z/h = See Above

Condition of Approval (if applicable): DATE: 05/23/2022

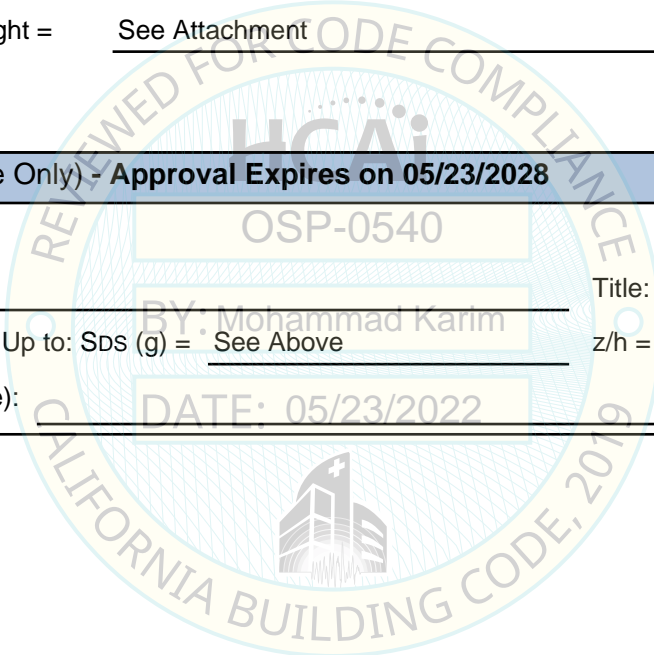


Table 1 - Certified SP1000 EMI Switchgears with Aluminum bus bars

Model	NEMA Rating	Breakers			Bus Rating [A]	Height [in]	Width [in]	Depth [in]	Weight [lb]	UUT
		Qty.	Rating [A]	Frame						
MAIN A 1F	1	1	800-2000	NW	2000	90	48	48	1,126	Extrapolated
MAIN A 1F	1	1	2500-3000	NW	3000	90	48	48	1,233	Extrapolated
MAIN A 3F	3	1	800-2000	NW	2000	90	48	51	1,254	Extrapolated
MAIN A 1D	1	1	800-2000	NW	2000	90	48	48	1,306	Extrapolated
UMGM A 1F	1	2	800-2000	NW	2000	90	48	48	1,332	Extrapolated
MAIN A 3F	3	1	2500-3000	NW	3000	90	48	51	1,362	Extrapolated
FDR M 1F	1	2	400-1200	L-frame/P-frame	2000	90	48	48	1,365	UUT-2
MAIN A 1D	1	1	2500-3000	NW	3000	90	48	48	1,373	Interpolated
MAIN A 3D	3	1	800-2000	NW	2000	90	48	48	1,435	Interpolated
UMGM A 3F	3	2	800-2000	NW	2000	90	48	51	1,443	Interpolated
MAIN A 3D	3	1	2500-3000	NW	3000	90	48	48	1,502	Interpolated
FDR A 1F	1	3	800	L-frame/P-frame	3000	90	48	48	1,502	Interpolated
UMGM A 1F	1	2	2500-3000	NW	3000	90	48	48	1,538	Interpolated
FDR A 3F	3	3	800	L-frame/P-frame	3000	90	48	51	1,630	Interpolated
GEN A 1F	1	3	800	NW	3000	90	54	48	1,634	Interpolated
UMGM A 3F	3	2	2500-3000	NW	3000	90	48	51	1,645	Interpolated
UMGM A 1D	1	2	800-2000	NW	2000	90	48	48	1,689	Interpolated
FDR M 1F	1	7	400-1200	L-frame/P-frame	2000	90	48	48	1,705	Interpolated
FDR TM 1F	1	7	400-1200	L-frame/P-frame	2000	90	48	48	1,705	Interpolated
FDR TM 1F	1	7	400-1200	L-frame/P-frame	3000	90	48	48	1,726	Interpolated
FDR M 1F	1	7	400-1200	L-frame/P-frame	3000	90	48	48	1,726	Interpolated
GEN A 3F	3	3	800	NW	3000	90	54	51	1,730	Interpolated
FDR M 3F	3	7	400-1200	L-frame/P-frame	3000	90	48	51	1,766	Interpolated
UMGM A 3D	3	2	800-2000	NW	2000	90	48	51	1,772	Interpolated
UMGM A 1D	1	2	2500-3000	NW	3000	90	48	48	1,812	Interpolated
FDR M 3F	3	7	400-1200	L-frame/P-frame	2000	90	48	51	1,834	Interpolated
FDR TM 3F	3	7	400-1200	L-frame/P-frame	2000	90	48	51	1,834	Interpolated
FDR TM 3F	3	7	400-1200	L-frame/P-frame	3000	90	48	51	1,855	Interpolated
UMGM A 3D	3	2	2500-3000	NW	3000	90	48	51	1,884	Interpolated
FDR A 1D	1	3	800	L-frame/P-frame	3000	90	48	48	1,955	Interpolated
FDR A 3D	3	3	800	L-frame/P-frame	3000	90	48	51	2,067	Interpolated
UMGM A 3D	3	2	3000	NW	3000	90	48	51	2,095	UUT-4

Table 2 - Certified SP1000 EMI Switchgears with Copper bus bars

Model	Enclosure NEMA Type	Breakers			Bus Rating [A]	Height [in]	Width [in]	Depth [in]	Weight [lb]	UUT
		Qty.	Rating [A]	Frame						
MAIN A 1F	1	1	800-2000	NW	2000	90	48	48	1,280	Extrapolated
MAIN A 3F	3	1	800-2000	NW	2000	90	48	51	1,391	Interpolated
MAIN A 1F	1	1	2500-3000	NW	3000	90	48	48	1,426	Interpolated
MAIN A 1D	1	1	800-2000	NW	2000	90	48	48	1,431	Interpolated
MAIN A 1D	1	1	2500-3000	NW	3000	90	48	48	1,529	Interpolated
MAIN A 3F	3	1	2500-3000	NW	3000	90	48	51	1,537	Interpolated
MAIN A 3D	3	1	800-2000	NW	2000	90	48	48	1,542	Interpolated
UMGM A 1F	1	2	800-2000	NW	2000	90	48	48	1,601	Interpolated
MAIN A 3D	3	1	2500-3000	NW	3000	90	48	48	1,640	Interpolated
FDR M 1F	1	7	400-1200	L-frame/P-frame	2000	90	48	48	1,649	Interpolated
FDR TM 1F	1	7	400-1208	L-frame/P-frame	2000	90	48	48	1,649	Interpolated
FDR TM 1F	1	7	400-1209	L-frame/P-frame	3000	90	48	48	1,702	Interpolated
FDR M 1F	1	7	400-1201	L-frame/P-frame	3000	90	48	48	1,702	Interpolated
UMGM A 3F	3	2	800-2000	NW	2000	90	48	51	1,712	Interpolated
FDR A 1F	1	3	800	L-frame/P-frame	3000	90	48	48	1,735	Interpolated
FDR M 3F	3	7	400-1204	L-frame/P-frame	2000	90	48	51	1,786	Interpolated
FDR TM 3F	3	7	400-1212	L-frame/P-frame	2000	90	48	51	1,787	Interpolated
FDR TM 1F	1	7	400-1210	L-frame/P-frame	4000	90	48	48	1,836	Interpolated
FDR M 1F	1	7	400-1202	L-frame/P-frame	4000	90	48	48	1,836	Interpolated
FDR TM 3F	3	7	400-1213	L-frame/P-frame	3000	90	48	51	1,840	Interpolated
FDR M 3F	3	7	400-1205	L-frame/P-frame	3000	90	48	51	1,841	Interpolated
UMGM A 1F	1	2	2500-3000	NW	3000	90	48	48	1,873	Interpolated
FDR TM 1F	1	7	400-1211	L-frame/P-frame	5000	90	48	48	1,917	Interpolated
UMGM A 1D	1	2	800-2000	NW	2000	90	48	48	1,917	Interpolated
GEN A 1F	1	2	2000	NW	5000	90	54	48	1,932	Interpolated
FDR M 1F	1	7	400-1203	L-frame/P-frame	5000	90	48	48	1,937	Interpolated
FDR A 3F	3	3	800	L-frame/P-frame	3000	90	48	51	1,950	Interpolated
GEN A 1F	1	3	800 1600	NW	3000 4000	90	54	48	1,800 1,972	Interpolated
FDR A 1F	1	2	2000	L-frame/P-frame	4000	90	48	48	1,974	Interpolated
FDR M 3F	3	7	400-1206	L-frame/P-frame	4000	90	48	51	1,974	Interpolated
FDR TM 3F	3	7	400-1214	L-frame/P-frame	4000	90	48	51	1,975	Interpolated
UMGM A 3F	3	2	2500-3000	NW	3000	90	48	51	1,984	Interpolated
UMGM A 3D	3	2	800-2000	NW	2000	90	48	51	2,028	Interpolated
GEN A 3F	3	2	2000	NW	5000	90	54	51	2,029	Interpolated
FDR M 3F	3	7	400-1207	L-frame/P-frame	5000	90	48	51	2,055	Interpolated
FDR TM 3F	3	7	400-1215	L-frame/P-frame	5000	90	48	51	2,055	Interpolated
GEN A 3F	3	3	800 1600	NW	3000 4000	90	54	51	1,873 2,069	Interpolated
UMGM A 1D	1	2	2500-3000	NW	3000	90	48	48	2,098	Interpolated
FDR A 1F	1	3	1600	L-frame/P-frame	5000	90	48	48	2,119	Interpolated
FDR A 1D	1	2	2000	L-frame/P-frame	4000	90	48	48	2,150	Interpolated
GEN A 1D	1	2	2000	NW	5000	90	54	48	2,188	Interpolated
UMGM A 3D	3	2	2500-3000	NW	3000	90	48	51	2,209	Interpolated
FDR A 1D	1	3	800	L-frame/P-frame	3000	90	48	48	2,225	Interpolated
GEN A 3D	3	2	2000	NW	5000	90	54	51	2,285	Interpolated
GEN A 1FD	1	2	800 800	NW	3000	90	54	48	2,325	UUT-1
FDR A 3F	3	2	2000	L-frame/P-frame	4000	90	48	51	2,365	Interpolated
GEN A 1D	1	3	800 1600	NW	3000	90	54	48	2,129 2,426	Interpolated

Table 2 - Certified SP1000 EMI Switchgears with Copper bus bars, Continued

Model	Enclosure NEMA Type	Breakers			Bus Rating [A]	Height [in]	Width [in]	Depth [in]	Weight [lb]	UUT
		Qty.	Rating [A]	Frame						
FDR A 3D	3	3	800	L-frame/P-frame	3000	90	48	51	2,439	Interpolated
GEN A 3D	3	3	800 1600	NW	3000 4000	90	54	51	2,356 2,523	Interpolated
FDR A 1D	1	3	1600	L-frame/P-frame	5000	90	48	48	2,609	Interpolated
FDR A 3F	3	3	1600	L-frame/P-frame	5000	90	48	51	2,825	Interpolated
FDR A 3D	3	3	1600	L-frame/P-frame	5000	90	48	51	2,825	Interpolated
FDR A 3D	3	2	2000	L-frame/P-frame	4000	90	48	51	3,195	Interpolated
MAIN A 1F	1	1	4000	NW	4000	90	62	48	3,348	Interpolated
MAIN A 1D	1	1	4000	NW	4000	90	62	48	3,626	Interpolated
MAIN A 1F	1	1	5000	NW	5000	90	62	48	3,779	Interpolated
UMGM A 1F	1	2	4000	NW	4000	90	62	48	3,782	Interpolated
MAIN A 1D	1	1	5000	NW	5000	90	62	48	3,883	Interpolated
MAIN A 3F	3	1	4000	NW	4000	90	62	51	3,971	Interpolated
MAIN A 3D	3	1	4000	NW	4000	90	62	48	4,249	Interpolated
UMGM A 1D	1	2	4000	NW	4000	90	62	48	4,338	Interpolated
UMGM A 1F	1	2	5000	NW	5000	90	62	48	4,387	Interpolated
MAIN A 3F	3	1	5000	NW	5000	90	62	51	4,402	Interpolated
UMGM A 3F	3	2	4000	NW	4000	90	62	51	4,405	Interpolated
MAIN A 3D	3	1	5000	NW	5000	90	62	48	4,506	Interpolated
UMGM A 1D	1	2	5000	NW	5000	90	62	48	4,595	Interpolated
UMGM A 3FD	3	2	4000 4000	NW	5000	90	62	51	4,815	UUT-3

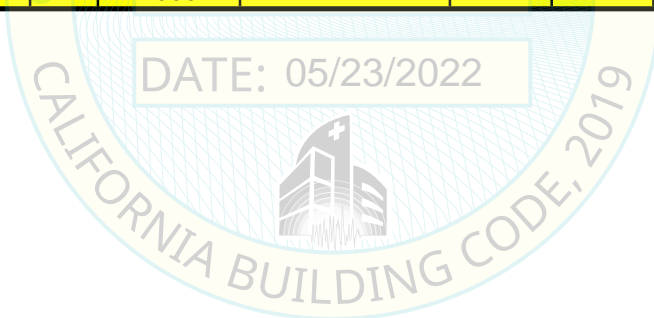


Table 3 - Certified Enclosures

Type	Amp Range	Material	Manufacturer	UUT
NEMA 1	2000-5000	Cold Rolled Steel	EMI	UUT-1, UUT-2
NEMA 3R	2000-5000	Galvannealed Steel	EMI	UUT-3, UUT-4

Table 4 - Certified Subcomponents: Breakers

Customer Part Number or Model Number	Rating1 [A]	Weight [lb]	Manufacturer	UUT
60112	Control Circuit Breaker: 15A, 1-pole	2	Schneider	UUT-4
60147	Control Circuit Breaker: 20A, 2-pole	2	Schneider	Interpolated
60182	Control Circuit Breaker: 30A, 3-pole	3	Schneider	UUT-4
MJA36400AC	400A (65kAIC - MCCB - Manually Operated - 80% - TM)	19	Schneider	UUT-2
MJA36600AC	600A (65kAIC - MCCB - Manually Operated - 80% - TM)	19	Schneider	Interpolated
MJA36800AC	800A (65kAIC - MCCB - Manually Operated - 80% - TM)	19	Schneider	Interpolated
LLA36400U33XAC	400A (100kAIC - MCCB - Manually Operated - 80% - LSI)	19	Schneider	Interpolated
LLA36400U31XAC	400A (100kAIC - MCCB - Manually Operated - 100% - LSI)	19	Schneider	Interpolated
LLA36400U31XAC	400A (100kAIC - MCCB - Manually Operated - 100% - LSIA)	19	Schneider	Interpolated
LLA36400U44XAC	400A (100kAIC - MCCB - Manually Operated - 80% - LSIG)	19	Schneider	Interpolated
LLA36400U31XAC	400A (100kAIC - MCCB - Manually Operated - 100% - LSIG)	19	Schneider	Interpolated
LLA36400U31XAC	400A (100kAIC - MCCB - Manually Operated - 80% - TM)	19	Schneider	Interpolated
LLA36600U33XAC	600A (100kAIC - MCCB - Manually Operated - 80% - LSI)	19	Schneider	Interpolated
LLA36600U44XAC	600A (100kAIC - MCCB - Manually Operated - 80% - LSIG)	19	Schneider	Interpolated
LJA36400U33XAC	400A (65kAIC - MCCB - Manually Operated - 80% - LSI)	19	Schneider	Interpolated
LJA36400U44XAC	400A (65kAIC - MCCB - Manually Operated - 80% - LSIG)	19	Schneider	Interpolated
LJA36400CU33XAC	400A (65kAIC - MCCB - Manually Operated - 100% - LSI)	19	Schneider	Interpolated
LJA36400CU44XAC	400A (65kAIC - MCCB - Manually Operated - 100% - LSIG)	19	Schneider	Interpolated
LJA36600U44XAC	600A (65kAIC - MCCB - Manually Operated - 80% - LSIG)	19	Schneider	Interpolated
LJA36600U33XAC	600A (65kAIC - MCCB - Manually Operated - 80% - LSI)	19	Schneider	Interpolated
LJA36080U33AAC	800A (65kAIC - MCCB - Manually Operated - 80% - LSI)	19	Schneider	Interpolated
PJA36040U63AE1VAC	400A (65kAIC - MCCB - Manually Operated - 80% - LSIA)	36	Schneider	Interpolated
PJA36040CU63AE1VAC	400A (65kAIC - MCCB - Manually Operated - 100% - LSIA)	36	Schneider	Interpolated
PJA36060U63AE1VAC	600A (65kAIC - MCCB - Manually Operated - 80% - LSIA)	36	Schneider	Interpolated
PJA36080CU33AAC	800A (65kAIC - MCCB - Manually Operated - 100% - LSI)	36	Schneider	Interpolated
PJA36080CU63AE1VAC	800A (65kAIC - MCCB - Manually Operated - 100% - LSIA)	36	Schneider	Interpolated
PJA36080CU44AAC	800A (65kAIC - MCCB - Manually Operated - 100% - LSIG)	36	Schneider	Interpolated
PJA36080U63AE1VAC	800A (65kAIC - MCCB - Manually Operated - 80% - LSIA)	36	Schneider	Interpolated

1. **LSI** = long time, short time, instantaneous; **LSIA** = long time, short time, instantaneous, ground fault (alarm only); **LSIG** = long time, short time, instantaneous, ground fault (trip)

Table 4 - Certified Subcomponents: Breakers, Continued

Customer Part Number or Model Number	Rating1 [A]	Weight [lb]	Manufacturer	UUT
PJA36080U44AAC	800A (65kAIC - MCCB - Manually Operated - 80% - LSIG)	36	Schneider	Interpolated
PJA36100U33AAC	1000A (100kAIC - MCCB - Manually Operated - 80% - LSI)	36	Schneider	Interpolated
PJA36100U63AE1VAC	1000A (100kAIC - MCCB - Manually Operated - 80% - LSIA)	36	Schneider	Interpolated
PJA36100U44AAC	1000A (100kAIC - MCCB - Manually Operated - 80% - LSIG)	36	Schneider	Interpolated
PJA36100AC	1000A (65kAIC - MCCB - Manually Operated - 80% - TM)	36	Schneider	Interpolated
PJA36120U63AE1VAC/S33576	1200A (65kAIC - MCCB - Manually Operated - 80% - LSIA)	36	Schneider	Interpolated
PJA36120U44AAC/S33576	1200A (65kAIC - MCCB - Manually Operated - 80% - LSIG)	36	Schneider	Interpolated
PJA36120AC	1200A (65kAIC - MCCB - Manually Operated - 80% - TM)	36	Schneider	Interpolated
PLA34040U63AE1VAC	400A (100kAIC - MCCB - Manually Operated - 80% - LSIA)	36	Schneider	Interpolated
PLA34060U63AE1VAC	600A (100kAIC - MCCB - Manually Operated - 80% - LSIA)	36	Schneider	Interpolated
PLA34060AC	600A (100kAIC - MCCB - Manually Operated - 100% - LSI)	36	Schneider	Interpolated
PLA34060AC	600A (100kAIC - MCCB - Manually Operated - 100% - LSIA)	36	Schneider	Interpolated
PLA34060AC	600A (100kAIC - MCCB - Manually Operated - 100% - LSIG)	36	Schneider	Interpolated
PLA34060AC	600A (100kAIC - MCCB - Manually Operated - 80% - TM)	36	Schneider	Interpolated
PLA34080AC	800A (100kAIC - MCCB - Manually Operated - 100% - LSI)	36	Schneider	Interpolated
PLA34080AC	800A (100kAIC - MCCB - Manually Operated - 100% - LSIA)	36	Schneider	Interpolated
PLA34080AC	800A (100kAIC - MCCB - Manually Operated - 100% - LSIG)	36	Schneider	Interpolated
PLA34080AC	800A (100kAIC - MCCB - Electrically Operated - 100% - LSI)	36	Schneider	Interpolated
PLA34080AC	800A (100kAIC - MCCB - Manually Operated - 80% - TM)	36	Schneider	Interpolated
PLA34080U44AAC	800A (100kAIC - MCCB - Manually Operated - 80% - LSIG)	36	Schneider	Interpolated
PLA34080U33AAC	800A (100kAIC - MCCB - Manually Operated - 80% - LSI)	36	Schneider	Interpolated
PLA34080U63AE1VAC	800A (100kAIC - MCCB - Manually Operated - 80% - LSIA)	36	Schneider	Interpolated
PLA34100AC	1000A (100kAIC - MCCB - Manually Operated - 80% - TM)	36	Schneider	Interpolated
PLA34100U33AAC	1000A (65kAIC - MCCB - Manually Operated - 80% - LSI)	36	Schneider	Interpolated
PLA34100U63AE1VAC	1000A (65kAIC - MCCB - Manually Operated - 80% - LSIA)	36	Schneider	Interpolated
PLA34100U44AAC	1000A (65kAIC - MCCB - Manually Operated - 80% - LSIG)	36	Schneider	Interpolated
PLA34120U33AAC	1200A (100kAIC - MCCB - Manually Operated - 80% - LSI)	36	Schneider	Interpolated
PLA34120U63AE1VAC	1200A (100kAIC - MCCB - Manually Operated - 80% - LSIA)	36	Schneider	Interpolated
PLA34120U44AAC	1200A (100kAIC - MCCB - Manually Operated - 80% - LSIG)	36	Schneider	Interpolated
PLA34120AC	1200A (100kAIC - MCCB - Manually Operated - 80% - TM)	36	Schneider	Interpolated
PLA36120U33AAC	1200A (65kAIC - MCCB - Manually Operated - 80% - LSI)	36	Schneider	Interpolated
PLA34040U33AACMOYB	400A (100kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PLA34040U63AE1VACMOYB	400A (100kAIC - MCCB - Electrically Operated - 80% - LSIA)	38	Schneider	Interpolated
PLA34040U44AACMOYB	400A (100kAIC - MCCB - Electrically Operated - 80% - LSIG)	38	Schneider	Interpolated
PLA34040U33AACMOYB	400A (100kAIC - MCCB - Electrically Operated - 100% - LSI)	38	Schneider	Interpolated
PLA34040U63AE1VACMOYB	400A (100kAIC - MCCB - Electrically Operated - 100% - LSIA)	38	Schneider	Interpolated

1. LSI = long time, short time, instantaneous; LSIA = long time, short time, instantaneous, ground fault (alarm only); LSIG = long time, short time, instantaneous, ground fault (trip)
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Table 4 - Certified Subcomponents: Breakers, Continued

Customer Part Number or Model Number	Rating1 [A]	Weight [lb]	Manufacturer	UUT
PLA34040U44AACMOYB	400A (100kAIC - MCCB - Electrically Operated - 100% - LSI)	38	Schneider	Interpolated
PLA34060U33AACMOYB	600A (100kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PLA34060U63AE1VACMOYB	600A (100kAIC - MCCB - Electrically Operated - 80% - LSIA)	38	Schneider	Interpolated
PLA34060U44AACMOYB	600A (100kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PLA34060U33AACMOYB	600A (100kAIC - MCCB - Electrically Operated - 100% - LSI)	38	Schneider	Interpolated
PLA34060U63AE1VACMOYB	600A (100kAIC - MCCB - Electrically Operated - 100% - LSIA)	38	Schneider	Interpolated
PLA34060U44AACMOYB	600A (100kAIC - MCCB - Electrically Operated - 100% - LSI)	38	Schneider	Interpolated
PLA34080U33AACMOYB	800A (65kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PLA34080U63AE1VACMOYB	800A (65kAIC - MCCB - Electrically Operated - 80% - LSIA)	38	Schneider	Interpolated
PLA34080U44AACMOYB	800A (65kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PLA34080AC	800A (100kAIC - MCCB - Electrically Operated - 100% - LSI)	38	Schneider	Interpolated
PLA34100U33AACMOYB	1000A (100kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PLA34100U63AE1VACMOYB	1000A (100kAIC - MCCB - Electrically Operated - 80% - LSIA)	38	Schneider	Interpolated
PLA34100U44AACMOYB	1000A (100kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PLA34120U33AACMOYB	1200A (100kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PLA34120U63AE1VACMOYB	1200A (100kAIC - MCCB - Electrically Operated - 80% - LSIA)	38	Schneider	Interpolated
PLA34120U44AACMOYB	1200A (100kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PJA36040U33AACMOYB	400A (65kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PJA36040U63AE1VACMOYB	400A (65kAIC - MCCB - Electrically Operated - 80% - LSIA)	38	Schneider	Interpolated
PJA36040U44AACMOYB	400A (65kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PJA36040U33AACMOYB	400A (65kAIC - MCCB - Electrically Operated - 100% - LSI)	38	Schneider	Interpolated
PJA36040U63AE1VACMOYB	400A (65kAIC - MCCB - Electrically Operated - 100% - LSIA)	38	Schneider	Interpolated
PJA36040U44AACMOYB	400A (65kAIC - MCCB - Electrically Operated - 100% - LSI)	38	Schneider	Interpolated
PJA36060U33AACMOYB	600A (65kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PJA36060U63AE1VACMOYB	600A (65kAIC - MCCB - Electrically Operated - 80% - LSIA)	38	Schneider	Interpolated
PJA36060U44AACMOYB	600A (65kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PJA36060CU33AAC	600A (65kAIC - MCCB - Manually Operated - 100% - LSI)	38	Schneider	Interpolated
PJA36060CU63AE1VAC	600A (65kAIC - MCCB - Manually Operated - 100% - LSIA)	38	Schneider	Interpolated
PJA36060CU44AAC	600A (65kAIC - MCCB - Manually Operated - 100% - LSI)	38	Schneider	Interpolated
PJA36060U33AACMOYB	600A (65kAIC - MCCB - Electrically Operated - 100% - LSI)	38	Schneider	Interpolated
PJA36060U63AE1VACMOYB	600A (65kAIC - MCCB - Electrically Operated - 100% - LSIA)	38	Schneider	Interpolated
PJA36080U33AACMOYB	800A (65kAIC - MCCB - Electrically Operated - 100% - LSI)	38	Schneider	Interpolated
PJA36080U63AE1VACMOYB	800A (65kAIC - MCCB - Electrically Operated - 100% - LSIA)	38	Schneider	Interpolated
PJA36080U44AACMOYB	800A (65kAIC - MCCB - Electrically Operated - 100% - LSI)	38	Schneider	Interpolated
PJA36080U33AACMOYB	800A (100kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PJA36080U63AE1VACMOYB	800A (100kAIC - MCCB - Electrically Operated - 80% - LSIA)	38	Schneider	Interpolated

1. LSI = long time, short time, instantaneous; LSIA = long time, short time, instantaneous, ground fault (alarm only); LSIg = long time, short time, instantaneous, ground fault (trip)
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Table 4 - Certified Subcomponents: Breakers, Continued

Customer Part Number or Model Number	Rating1 [A]	Weight [lb]	Manufacturer	UUT
PJA36080U44AACMOYB	800A (100kAIC - MCCB - Electrically Operated - 80% - LSIG)	38	Schneider	Interpolated
PJA36100U33AACMOYB	1000A (65kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	Interpolated
PJA36100U63AE1VACMOYB	1000A (65kAIC - MCCB - Electrically Operated - 80% - LSIA)	38	Schneider	Interpolated
PJA36100U44AACMOYB	1000A (65kAIC - MCCB - Electrically Operated - 80% - LSIG)	38	Schneider	Interpolated
PJA36120U44AACMOYB	1200A (65kAIC - MCCB - Electrically Operated - 80% - LSIG)	38	Schneider	Interpolated
PJA36120U63AE1VACMOYB	1200A (65kAIC - MCCB - Electrically Operated - 80% - LSIA)	38	Schneider	Interpolated
PJA36120U33AACMOYB	1200A (65kAIC - MCCB - Electrically Operated - 80% - LSI)	38	Schneider	UUT-2
WL1AAH33A9SXXXXXCA	800A (65kAIC - Fixed Mount - Manually Operated - LSI)	126	Schneider	UUT-1
WL1AAH63A3FXXXXXCA	800A (65kAIC - Fixed Mount - Manually Operated - LSIA)	126	Schneider	Interpolated
WL1AAH44A9SXXXXXCA	800A (65kAIC - Fixed Mount - Manually Operated - LSIG)	126	Schneider	Interpolated
WL1AAH33A9SPBBXXCA	800A (65kAIC - Fixed Mount - Electrically Operated - LSI)	126	Schneider	Interpolated
WL1AAH63A3FPBBXXCA	800A (65kAIC - Fixed Mount - Electrically Operated - LSIA)	126	Schneider	Interpolated
WL1AAH44A9SPBBXXCA	800A (65kAIC - Fixed Mount - Electrically Operated - LSIG)	126	Schneider	Interpolated
WL3AAH33A9SXXXXXCA	800A (100kAIC - Fixed Mount - Manually Operated - LSI)	126	Schneider	Interpolated
WL3AAH63A3FXXXXXCA	800A (100kAIC - Fixed Mount - Manually Operated - LSIA)	126	Schneider	Interpolated
WL3AAH44A9SXXXXXCA	800A (100kAIC - Fixed Mount - Manually Operated - LSIG)	126	Schneider	Interpolated
WL3AAH33A9SPBBXXCA	800A (100kAIC - Fixed Mount - Electrically Operated - LSI)	126	Schneider	Interpolated
WL3AAH63A3FPBBXXCA	800A (100kAIC - Fixed Mount - Electrically Operated - LSIA)	126	Schneider	Interpolated
WL3AAH44A9SPBBXXCA	800A (100kAIC - Fixed Mount - Electrically Operated - LSIG)	126	Schneider	Interpolated
WL1CCH44A9SPBBXXCA	1200A (65kAIC - Fixed Mount - Electrically Operated - LSIG)	126	Schneider	Interpolated
WL1CCH33A9SXXXXXCA	1200A (65kAIC - Fixed Mount - Manually Operated - LSI)	126	Schneider	Interpolated
WL1CCH63A3FXXXXXCA	1200A (65kAIC - Fixed Mount - Manually Operated - LSIA)	126	Schneider	Interpolated
WL1CCH44A9SXXXXXCA	1200A (65kAIC - Fixed Mount - Manually Operated - LSIG)	126	Schneider	Interpolated
WL1CCH33A9SPBBXXCA	1200A (65kAIC - Fixed Mount - Electrically Operated - LSI)	126	Schneider	Interpolated
WL3CCH33A9SXXXXXCA	1200A (100kAIC - Fixed Mount - Manually Operated - LSI)	126	Schneider	Interpolated
WL3CCH63A3FXXXXXCA	1200A (100kAIC - Fixed Mount - Manually Operated - LSIA)	126	Schneider	Interpolated
WL3CCH44A9SXXXXXCA	1200A (100kAIC - Fixed Mount - Manually Operated - LSIG)	126	Schneider	Interpolated
WL3CCH33A9SPBBXXCA	1200A (100kAIC - Fixed Mount - Electrically Operated - LSI)	126	Schneider	Interpolated
WL3CCH63A3FPBBXXCA	1200A (100kAIC - Fixed Mount - Electrically Operated - LSIA)	126	Schneider	Interpolated
WL3CCH44A9SPBBXXCA	1200A (100kAIC - Fixed Mount - Electrically Operated - LSIG)	126	Schneider	Interpolated
WL1EEH33A9SXXXXXCA	1600A (65kAIC - Fixed Mount - Manually Operated - LSI)	126	Schneider	Interpolated
WL1EEH63A3FXXXXXCA	1600A (65kAIC - Fixed Mount - Manually Operated - LSIA)	126	Schneider	Interpolated
WL1EEH44A9SXXXXXCA	1600A (65kAIC - Fixed Mount - Manually Operated - LSIG)	126	Schneider	Interpolated
WL1EEH33A9SPBBXXCA	1600A (65kAIC - Fixed Mount - Electrically Operated - LSI)	126	Schneider	Interpolated
WL1EEH63A3FPBBXXCA	1600A (65kAIC - Fixed Mount - Electrically Operated - LSIA)	126	Schneider	Interpolated
WL1EEH44A9SPBBXXCA	1600A (65kAIC - Fixed Mount - Electrically Operated - LSIG)	126	Schneider	Interpolated

1. **LSI** = long time, short time, instantaneous; **LSIA** = long time, short time, instantaneous, ground fault (alarm only); **LSIG** = long time, short time, instantaneous, ground fault (trip)

Table 4 - Certified Subcomponents: Breakers, Continued

Customer Part Number or Model Number	Rating1 [A]	Weight [lb]	Manufacturer	UUT
WL3EEH33A9SXXXXXCA	1600A (100kAIC - Fixed Mount - Manually Operated - LSI)	126	Schneider	Interpolated
WL3EEH63A3FXXXXXCA	1600A (100kAIC - Fixed Mount - Manually Operated - LSIA)	126	Schneider	Interpolated
WL3EEH44A9SXXXXXCA	1600A (100kAIC - Fixed Mount - Manually Operated - LSIG)	126	Schneider	Interpolated
WL3EEH63A3FPBBXXCA	1600A (100kAIC - Fixed Mount - Electrically Operated - LSIA)	126	Schneider	Interpolated
WL3EEH44A9SPBBXXCA	1600A (100kAIC - Fixed Mount - Electrically Operated - LSIG)	126	Schneider	Interpolated
WL1FFH33A9SXXXXXCA	2000A (65kAIC - Fixed Mount - Manually Operated - LSI)	126	Schneider	Interpolated
WL1FFH63A3FXXXXXCA/S48896	2000A (65kAIC - Fixed Mount - Manually Operated - LSIA)	126	Schneider	Interpolated
WL1FFH44A9SXXXXXCA/S48896	2000A (65kAIC - Fixed Mount - Manually Operated - LSIG)	126	Schneider	Interpolated
WL1FFH33A9SPBBXXCA	2000A (65kAIC - Fixed Mount - Electrically Operated - LSI)	126	Schneider	Interpolated
WL1FFH63A3FPBBXXCA	2000A (65kAIC - Fixed Mount - Electrically Operated - LSIA)	126	Schneider	Interpolated
WL1FFH44A9SPBBXXCA	2000A (65kAIC - Fixed Mount - Electrically Operated - LSIG)	126	Schneider	Interpolated
WL3FFH33A9SXXXXXCA	2000A (100kAIC - Fixed Mount - Manually Operated - LSI)	126	Schneider	Interpolated
WL3FFH63A3FXXXXXCA	2000A (100kAIC - Fixed Mount - Manually Operated - LSIA)	126	Schneider	Interpolated
WL3FFH44A9SXXXXXCA	2000A (100kAIC - Fixed Mount - Manually Operated - LSIG)	126	Schneider	Interpolated
WL3FFH33A9SPBBXXCA	2000A (100kAIC - Fixed Mount - Electrically Operated - LSI)	126	Schneider	Interpolated
WL3FFH63A3FPBBXXCA	2000A (100kAIC - Fixed Mount - Electrically Operated - LSIA)	126	Schneider	Interpolated
WL3FFH44A9SPBBXXCA	2000A (100kAIC - Fixed Mount - Electrically Operated - LSIG)	126	Schneider	Interpolated
WL3HHJ44A9SPBBXXCA	3000A (65kAIC - Fixed Mount - Electrically Operated - LSIG)	153	Schneider	Interpolated
WL3HHJ33A9SXXXXXCA	3000A (65kAIC - Fixed Mount - Manually Operated - LSI)	153	Schneider	Interpolated
WL3HHJ63A3FXXXXXCA	3000A (65kAIC - Fixed Mount - Manually Operated - LSIA)	153	Schneider	Interpolated
WL3HHJ33A9SPBBXXCA	3000A (65kAIC - Fixed Mount - Electrically Operated - LSI)	153	Schneider	Interpolated
WL3HHJ63A3FPBBXXCA	3000A (65kAIC - Fixed Mount - Electrically Operated - LSIA)	153	Schneider	Interpolated
WL3HHJ63A3FXXXXXCA	3000A (100kAIC - Fixed Mount - Manually Operated - LSIA)	153	Schneider	Interpolated
WL3HHJ44A9SXXXXXCA	3000A (100kAIC - Fixed Mount - Manually Operated - LSIG)	153	Schneider	Interpolated
WL3HHJ33A9SPBBXXCA	3000A (100kAIC - Fixed Mount - Electrically Operated - LSI)	153	Schneider	Interpolated
WL3HHJ63A3FPBBXXCA	3000A (100kAIC - Fixed Mount - Electrically Operated - LSIA)	153	Schneider	Interpolated
WL3HHJ44A9SPBBXXCA	3000A (100kAIC - Fixed Mount - Electrically Operated - LSIG)	153	Schneider	Interpolated
WL3HHJ33A9SXXXXXCA	3000A (100kAIC - Fixed Mount - Manually Operated - LSI)	153	Schneider	UUT-4
WL1AAR33A9SPBBXXCA	800A (65kAIC - Drawout - Electrically Operated - LSI)	223	Schneider	UUT-1
WL1AAR33A9SXXXXXCA	800A (65kAIC - Drawout - Manually Operated - LSI)	223	Schneider	Interpolated
WL1AAR63A3FXXXXXCA	800A (65kAIC - Drawout - Manually Operated - LSIA)	223	Schneider	Interpolated
WL1AAR44A9SXXXXXCA	800A (65kAIC - Drawout - Manually Operated - LSIG)	223	Schneider	Interpolated
WL1AAR63A3FPBBXXCA	800A (65kAIC - Drawout - Electrically Operated - LSIA)	223	Schneider	Interpolated
WL1AAR44A9SPBBXXCA	800A (65kAIC - Drawout - Electrically Operated - LSIG)	223	Schneider	Interpolated
WL3AAR33A9SXXXXXCA	800A (100kAIC - Drawout - Manually Operated - LSI)	223	Schneider	Interpolated
WL3AAR63A3FXXXXXCA	800A (100kAIC - Drawout - Manually Operated - LSIA)	223	Schneider	Interpolated

1. **LSI** = long time, short time, instantaneous; **LSIA** = long time, short time, instantaneous, ground fault (alarm only); **LSIG** = long time, short time, instantaneous, ground fault (trip)

Table 4 - Certified Subcomponents: Breakers, Continued

Customer Part Number or Model Number	Rating1 [A]	Weight [lb]	Manufacturer	UUT
WL3AAR44A9SXXXXXCA	800A (100kAIC - Drawout - Manually Operated - LSIG)	223	Schneider	Interpolated
WL3AAR33A9SPBBXXCA	800A (100kAIC - Drawout - Electrically Operated - LSI)	223	Schneider	Interpolated
WL3AAR63A3FPBBXXCA	800A (100kAIC - Drawout - Electrically Operated - LSIA)	223	Schneider	Interpolated
WL3AAR44A9SPBBXXCA	800A (100kAIC - Drawout - Electrically Operated - LSIG)	223	Schneider	Interpolated
WL1CCR33A9SXXXXXCA	1200A (65kAIC - Drawout - Manually Operated - LSI)	223	Schneider	Interpolated
WL1CCR63A3FXXXXXCA	1200A (65kAIC - Drawout - Manually Operated - LSIA)	223	Schneider	Interpolated
WL1CCR44A9SXXXXXCA	1200A (65kAIC - Drawout - Manually Operated - LSIG)	223	Schneider	Interpolated
WL1CCR33A9SPBBXXCA	1200A (65kAIC - Drawout - Electrically Operated - LSI)	223	Schneider	Interpolated
WL1CCR63A3FPBBXXCA	1200A (65kAIC - Drawout - Electrically Operated - LSIA)	223	Schneider	Interpolated
WL1CCR44A9SPBBXXCA	1200A (65kAIC - Drawout - Electrically Operated - LSIG)	223	Schneider	Interpolated
WL3CCR33A9SXXXXXCA	1200A (100kAIC - Drawout - Manually Operated - LSI)	223	Schneider	Interpolated
WL3CCR63A3FXXXXXCA	1200A (100kAIC - Drawout - Manually Operated - LSIA)	223	Schneider	Interpolated
WL3CCR44A9SXXXXXCA	1200A (100kAIC - Drawout - Manually Operated - LSIG)	223	Schneider	Interpolated
WL3CCR33A9SPBBXXCA	1200A (100kAIC - Drawout - Electrically Operated - LSI)	223	Schneider	Interpolated
WL3CCR63A3FPBBXXCA	1200A (100kAIC - Drawout - Electrically Operated - LSIA)	223	Schneider	Interpolated
WL3CCR44A9SPBBXXCA	1200A (100kAIC - Drawout - Electrically Operated - LSIG)	223	Schneider	Interpolated
WL1EER33A9SXXXXXCA	1600A (65kAIC - Drawout - Manually Operated - LSI)	223	Schneider	Interpolated
WL1EER63A3FXXXXXCA	1600A (65kAIC - Drawout - Manually Operated - LSIA)	223	Schneider	Interpolated
WL1EER44A9SXXXXXCA	1600A (65kAIC - Drawout - Manually Operated - LSIG)	223	Schneider	Interpolated
WL1EER33A9SPBBXXCA	1600A (65kAIC - Drawout - Electrically Operated - LSI)	223	Schneider	Interpolated
WL1EER63A3FPBBXXCA	1600A (65kAIC - Drawout - Electrically Operated - LSIA)	223	Schneider	Interpolated
WL1EER44A9SPBBXXCA	1600A (65kAIC - Drawout - Electrically Operated - LSIG)	223	Schneider	Interpolated
WL3EER33A9SXXXXXCA	1600A (100kAIC - Drawout - Manually Operated - LSI)	223	Schneider	Interpolated
WL3EER63A3FXXXXXCA	1600A (100kAIC - Drawout - Manually Operated - LSIA)	223	Schneider	Interpolated
WL3EER44A9SXXXXXCA	1600A (100kAIC - Drawout - Manually Operated - LSIG)	223	Schneider	Interpolated
WL3EER33A9SPBBXXCA	1600A (100kAIC - Drawout - Electrically Operated - LSI)	223	Schneider	Interpolated
WL3EER63A3FPBBXXCA	1600A (100kAIC - Drawout - Electrically Operated - LSIA)	223	Schneider	Interpolated
WL3EER44A9SPBBXXCA	1600A (100kAIC - Drawout - Electrically Operated - LSIG)	223	Schneider	Interpolated
WL1FFR33A9SXXXXXCA	2000A (65kAIC - Drawout - Manually Operated - LSI)	223	Schneider	Interpolated
WL1FFR63A3FXXXXXCA	2000A (65kAIC - Drawout - Manually Operated - LSIA)	223	Schneider	Interpolated
WL1FFR44A9SXXXXXCA	2000A (65kAIC - Drawout - Manually Operated - LSIG)	223	Schneider	Interpolated
WL1FFR33A9SPBBXXCA	2000A (65kAIC - Drawout - Electrically Operated - LSI)	223	Schneider	Interpolated
WL1FFR63A3FPBBXXCA	2000A (65kAIC - Drawout - Electrically Operated - LSIA)	223	Schneider	Interpolated
WL1FFR44A9SPBBXXCA	2000A (65kAIC - Drawout - Electrically Operated - LSIG)	223	Schneider	Interpolated
WL3FFR33A9SPBBXXCA	2000A (100kAIC - Drawout - Manually Operated - LSI)	223	Schneider	Interpolated
WL3FFR63A3FPBBXXCA	2000A (100kAIC - Drawout - Manually Operated - LSIA)	223	Schneider	Interpolated

1. **LSI** = long time, short time, instantaneous; **LSIA** = long time, short time, instantaneous, ground fault (alarm only); **LSIG** = long time, short time, instantaneous, ground fault (trip)
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Table 4 - Certified Subcomponents: Breakers, Continued

Customer Part Number or Model Number	Rating1 [A]	Weight [lb]	Manufacturer	UUT
WL3FFR44A9SPBBXXCA	2000A (100kAIC - Drawout - Manually Operated - LSIG)	223	Schneider	Interpolated
WL3FFR33A9SPBBXXCA	2000A (100kAIC - Drawout - Electrically Operated - LSI)	223	Schneider	Interpolated
WL3FFR63A3FPBBXXCA	2000A (100kAIC - Drawout - Electrically Operated - LSIA)	223	Schneider	Interpolated
WL3FFR44A9SPBBXXCA	2000A (100kAIC - Drawout - Electrically Operated - LSIG)	223	Schneider	Interpolated
WL1HHR44A9SXXXXXCA	3000A (65kAIC - Drawout - Manually Operated - LSIG)	277	Schneider	Interpolated
WL1HHR33A9SPBBXXCA	3000A (65kAIC - Drawout - Electrically Operated - LSI)	277	Schneider	Interpolated
WL1HHR63A3FPBBXXCA	3000A (65kAIC - Drawout - Electrically Operated - LSIA)	277	Schneider	Interpolated
WL1HHR44A9SPBBXXCA	3000A (65kAIC - Drawout - Electrically Operated - LSIG)	277	Schneider	Interpolated
WL3HHR63A3FXXXXXCA/S48182	3000A (100kAIC - Drawout - Manually Operated - LSIA)	277	Schneider	Interpolated
WL3HHR44A9SXXXXXCA/S48182	3000A (100kAIC - Drawout - Manually Operated - LSIG)	277	Schneider	Interpolated
WL3HHR33A9SXXXXXCA	3000A (65kAIC - Drawout - Manually Operated - LSI)	277	Schneider	Interpolated
WL3HHR63A3FXXXXXCA	3000A (65kAIC - Drawout - Manually Operated - LSIA)	277	Schneider	Interpolated
WL3HHR33A9SXXXXXCA	3000A (100kAIC - Drawout - Manually Operated - LSI)	277	Schneider	Interpolated
WL3HHR33A9SPBBXXCA	3000A (100kAIC - Drawout - Electrically Operated - LSI)	277	Schneider	Interpolated
WL3HHR63A3FPBBXXCA	3000A (100kAIC - Drawout - Electrically Operated - LSIA)	277	Schneider	Interpolated
WL3HHR44A9SPBBXXCA	3000A (100kAIC - Drawout - Electrically Operated - LSIG)	277	Schneider	UUT-4
YL3KKA33A9SXXXXXCA	4000A (65kAIC - Fixed Mount - Manually Operated - LSI)	279	Schneider	Interpolated
YL3KKA44A9SXXXXXCA	4000A (65kAIC - Fixed Mount - Manually Operated - LSIG)	279	Schneider	Interpolated
YL3KKA33A9SPBBXXCA	4000A (65kAIC - Fixed Mount - Electrically Operated - LSI)	279	Schneider	Interpolated
YL3KKA63A3FPBBXXCA	4000A (65kAIC - Fixed Mount - Electrically Operated - LSIA)	279	Schneider	Interpolated
YL3KKA44A9SPBBXXCA	4000A (65kAIC - Fixed Mount - Electrically Operated - LSIG)	279	Schneider	Interpolated
YL3KKA44A9SXXXXXCA	4000A (100kAIC - Fixed Mount - Manually Operated - LSIG)	279	Schneider	Interpolated
YL3KKA33A9SPBBXXCA	4000A (100kAIC - Fixed Mount - Electrically Operated - LSI)	279	Schneider	Interpolated
YL3KKA63A3FPBBXXCA	4000A (100kAIC - Fixed Mount - Electrically Operated - LSIA)	279	Schneider	Interpolated
YL3KKA44A9SPBBXXCA	4000A (100kAIC - Fixed Mount - Electrically Operated - LSIG)	279	Schneider	Interpolated
YL3KKA33A9SXXXXXCA	4000A (100kAIC - Fixed Mount - Manually Operated - LSI)	279	Schneider	Interpolated
YL3KKA63A3FXXXXXCA	4000A (65kAIC - Fixed Mount - Manually Operated - LSIA)	279	Schneider	UUT-3
YL3LLA33A9SXXXXXCA	5000A (65kAIC - Fixed Mount - Manually Operated - LSI)	279	Schneider	Interpolated
YL3LLA63A3FXXXXXCA	5000A (65kAIC - Fixed Mount - Manually Operated - LSIA)	279	Schneider	Interpolated
YL3LLA44A9SXXXXXCA	5000A (65kAIC - Fixed Mount - Manually Operated - LSIG)	279	Schneider	Interpolated
YL3LLA33A9SPBBXXCA	5000A (65kAIC - Fixed Mount - Electrically Operated - LSI)	279	Schneider	Interpolated
YL3LLA63A3FPBBXXCA	5000A (65kAIC - Fixed Mount - Electrically Operated - LSIA)	279	Schneider	Interpolated
YL3LLA44A9SPBBXXCA	5000A (65kAIC - Fixed Mount - Electrically Operated - LSIG)	279	Schneider	Interpolated
YL3LLA33A9SXXXXXCA	5000A (100kAIC - Fixed Mount - Manually Operated - LSI)	279	Schneider	Interpolated
YL3LLA63A3FXXXXXCA	5000A (100kAIC - Fixed Mount - Manually Operated - LSIA)	279	Schneider	Interpolated
YL3LLA44A9SXXXXXCA	5000A (100kAIC - Fixed Mount - Manually Operated - LSIG)	279	Schneider	Interpolated

1. **LSI** = long time, short time, instantaneous; **LSIA** = long time, short time, instantaneous, ground fault (alarm only); **LSIG** = long time, short time, instantaneous, ground fault (trip)
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Table 4 - Certified Subcomponents: Breakers, Continued

Customer Part Number or Model Number	Rating1 [A]	Weight [lb]	Manufacturer	UUT
YL3LLA33A9SPBBXXCA	5000A (100kAIC - Fixed Mount - Electrically Operated - LSI)	279	Schneider	Interpolated
YL3LLA63A3FPBBXXCA	5000A (100kAIC - Fixed Mount - Electrically Operated - LSIA)	279	Schneider	Interpolated
YL3LLA44A9SPBBXXCA	5000A (100kAIC - Fixed Mount - Electrically Operated - LSIG)	279	Schneider	Interpolated
YL3KKR63A3FXXXXXCA	4000A (65kAIC - Drawout - Manually Operated - LSIA)	557	Schneider	Interpolated
YL3KKR44A9SXXXXXCA	4000A (65kAIC - Drawout - Manually Operated - LSIG)	557	Schneider	Interpolated
YL3KKR33A9SPBBXXCA	4000A (65kAIC - Drawout - Electrically Operated - LSI)	557	Schneider	Interpolated
YL3KKR63A3FPBBXXCA	4000A (65kAIC - Drawout - Electrically Operated - LSIA)	557	Schneider	Interpolated
YL3KKR44A9SPBBXXCA	4000A (65kAIC - Drawout - Electrically Operated - LSIG)	557	Schneider	Interpolated
YL3KKR33A9SXXXXXCA	4000A (100kAIC - Drawout - Manually Operated - LSI)	557	Schneider	Interpolated
YL3KKR63A3FXXXXXCA	4000A (100kAIC - Drawout - Manually Operated - LSIA)	557	Schneider	Interpolated
YL3KKR44A9SXXXXXCA	4000A (100kAIC - Drawout - Manually Operated - LSIG)	557	Schneider	Interpolated
YL3KKR33A9SPBBXXCA	4000A (100kAIC - Drawout - Electrically Operated - LSI)	557	Schneider	Interpolated
YL3KKR63A3FPBBXXCA	4000A (100kAIC - Drawout - Electrically Operated - LSIA)	557	Schneider	Interpolated
YL3KKR44A9SPBBXXCA	4000A (100kAIC - Drawout - Electrically Operated - LSIG)	557	Schneider	Interpolated
YL3KKR33A9SXXXXXCA	4000A (65kAIC - Drawout - Manually Operated - LSI)	557	Schneider	UUT-3
YL3LLR33A9SXXXXXCA	5000A (65kAIC - Drawout - Manually Operated - LSI)	557	Schneider	Extrapolated
YL3LLR63A3FXXXXXCA	5000A (65kAIC - Drawout - Manually Operated - LSIA)	557	Schneider	Extrapolated
YL3LLR44A9SXXXXXCA	5000A (65kAIC - Drawout - Manually Operated - LSIG)	557	Schneider	Extrapolated
YL3LLR33A9SPBBXXCA	5000A (65kAIC - Drawout - Electrically Operated - LSI)	557	Schneider	Extrapolated
YL3LLR63A3FPBBXXCA	5000A (65kAIC - Drawout - Electrically Operated - LSIA)	557	Schneider	Extrapolated
YL3LLR44A9SPBBXXCA	5000A (65kAIC - Drawout - Electrically Operated - LSIG)	557	Schneider	Extrapolated
YL3LLR33A9SXXXXXCA	5000A (100kAIC - Drawout - Manually Operated - LSI)	557	Schneider	Extrapolated
YL3LLR63A3FXXXXXCA	5000A (100kAIC - Drawout - Manually Operated - LSIA)	557	Schneider	Extrapolated
YL3LLR44A9SXXXXXCA	5000A (100kAIC - Drawout - Manually Operated - LSIG)	557	Schneider	Extrapolated
YL3LLR33A9SPBBXXCA	5000A (100kAIC - Drawout - Electrically Operated - LSI)	557	Schneider	Extrapolated
YL3LLR63A3FPBBXXCA	5000A (100kAIC - Drawout - Electrically Operated - LSIA)	557	Schneider	Extrapolated
YL3LLR44A9SPBBXXCA	5000A (100kAIC - Drawout - Electrically Operated - LSIG)	557	Schneider	Extrapolated

1. **LSI** = long time, short time, instantaneous; **LSIA** = long time, short time, instantaneous, ground fault (alarm only); **LSIG** = long time, short time, instantaneous, ground fault (trip)

Table 5 - Certified Subcomponents: Transformers

Customer Part Number or Model Number	Description ¹ / Core Material	Weight [lb]	Manufacturer	UUT
PH500AJ	CPT: 600:120Vac, 500VA/ Silicon Steel Laminations Copper Wound Coils	12	Hammond	Extrapolated
PH500MQMJ	CPT: 480:120Vac, 500VA/ Silicon Steel Laminations Copper Wound Coils	15	Hammond	UUT-4
PH1000AJ	CPT: 600:120Vac, 1000VA/ Silicon Steel Laminations Copper Wound Coils	21	Hammond	Interpolated
PH1000MQMJ	CPT: 480:120Vac, 1000VA/ Silicon Steel Laminations Copper Wound Coils	24	Hammond	Interpolated
PH1500AJ	CPT: 600:120Vac, 1500VA/ Silicon Steel Laminations Copper Wound Coils	30	Hammond	Interpolated
PH1500MQMJ	CPT: 480:120Vac, 1500VA/ Silicon Steel Laminations Copper Wound Coils	32	Hammond	Interpolated
SP3000ACP	CPT: 480:120Vac, 3000VA/ Silicon Steel Laminations Copper Wound Coils	60	Hammond	Interpolated
SP3000ACP	CPT: 600:120Vac, 3000VA/ Silicon Steel Laminations Copper Wound Coils	60	Hammond	Interpolated
SP5000ACP	CPT: 480:120Vac, 5000VA/ Silicon Steel Laminations Copper Wound Coils	93	Hammond	Interpolated
SP5000ACP	CPT: 600:120Vac, 5000VA/ Silicon Steel Laminations Copper Wound Coils	93	Hammond	UUT-3

1. CT = Current Transformer; VT = Voltage Transformer; CPT = Control Power Transformer

Table 6 - Certified Subcomponents: Surge Protective Device

Customer Part Number or Model Number	Description	Weight [lb]	Manufacturer	UUT
TE04XAS25E1XT	250kA, 480V Surge Protective Device	24	APT	UUT-4

Table 7 - Certified Subcomponents: Controllers & Controller Components

Customer Part Number or Model Number	Description	Weight [lb]	Manufacturer	UUT
DMC-1000	Generator Paralleling Control Panel	560	Cummins	UUT-1



UNIT UNDER TEST (UUT) Summary Sheet

UUT-1

Test Report: 50822-01

Model Line	Model Number	Manufacturer
Genset Paralleling Switchgear	GEN A 1FD	Cummins Power Generation

Product Construction Summary

12 Gauge Cold Rolled Steel, NEMA 1 Enclosure

Options / Subcomponent Summary

Enclosure, Breakers, Controller and Controller Components

UUT Properties						
Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Length	Width	Height	F-B	S-S	V
2,325	48.0	54.0	90.0	7.5	7.0	>33

UUT Highest Passed Seismic Run Information									
Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}	
CBC 2019	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-	
		2.50	0.0	1.5	-	-	1.68	0.68	

Test Mounting Details

UUT-1 was rigidly mounted to the shake table using (4) 1/2" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-2

Test Report: 50822-01

Model Line	Model Number	Manufacturer
Feeder Switchgear	FDR M 1F	Cummins Power Generation

Product Construction Summary

12 Gauge Carbon Steel, NEMA 1 Enclosure

Options / Subcomponent Summary

Enclosure, Breakers

UUT Properties						
Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Length	Width	Height	F-B	S-S	V
1,365	48.0	48.0	90.0	10.8	20.0	19.0

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

Test Mounting Details

UUT-2 was rigidly mounted to the shake table using (4) 1/2" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-3

Test Report: 50822-01

Model Line	Model Number	Manufacturer
Utility Main and Generator Main Switchgear	UMGM A 3F	Cummins Power Generation

Product Construction Summary

12 Gauge Galvanized Steel, NEMA 3 Enclosure

Options / Subcomponent Summary

Enclosure, Breakers, Transformers

UUT Properties						
Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Length	Width	Height	F-B	S-S	V
4,815	51.0	62.0	90.0	9.0	27.3	20.8

UUT Highest Passed Seismic Run Information									
Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}	
CBC 2019	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-	
		2.50	0.0	1.5	-	-	1.68	0.68	

Test Mounting Details

UUT-3 was rigidly mounted to the shake table using (4) 1/2" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



UNIT UNDER TEST (UUT) Summary Sheet

UUT-4

Test Report: 50822-01

Model Line	Model Number	Manufacturer
Utility Main and Generator Main Switchgear	UMGM A 3FD	Cummins Power Generation

Product Construction Summary

12 Gauge Galvanized Steel, NEMA 3 Enclosure

Options / Subcomponent Summary

Enclosure, Breakers, Transformers, Surge Protective Device

UUT Properties						
Weight [lbs]	Dimensions [in]			Lowest Nat. Freq. [Hz]		
	Length	Width	Height	F-B	S-S	V
2,095	51.0	48.0	90.0	29.3	10.0	>33

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
		2.50	0.0	1.5	-	-	1.68	0.68

Test Mounting Details

UUT-4 was rigidly mounted to the shake table using (4) 1/2" diameter Grade 8 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.