



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0885

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☒ New ☐ Renewal

Manufacturer Information

Manufacturer: LS ELECTRIC

Manufacturer's Technical Representative: Ashok Kulkarni

Mailing Address: 68, Wolmyeong-ro 201 Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, Republic of Korea

Telephone: +82-10-6250-9314

Email: ashok.kulkarni3@gmail.com

Product Information

Product Name: LS Electric Switchboards

Product Model Number(s): See Certified Component Table 1

Product Category: Switchgear/Switchboards

Product Sub-Category: Switchgear - Low Voltage

General Description: LS Electric low voltage switchboards floor mounted

Mounting Description: Base Mounted Rigid

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: Miyamoto

Contact Person: Amir Gilani

Mailing Address: 1450 Halyard Drive, West Sacramento, CA 95691

Telephone: (530) 400-7187

Email: agilani@miyamotointernational.com

Title: Principal



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: MIYAMOTO INTERNATIONAL INC.

Name: Amir Gilani

California License Number: S4733

Mailing Address: 1450 Halyard Drive Suite 1, West Sacramento, CA 95695

Telephone: (916) 373-1995

Email: agilani@miyamotointernational.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: Amarnath Kasalanati

Mailing Address: 325 Davis Hall, Berkeley CA 94720-1729

Telephone: (510) 642-3437

Email: amarnath1@berkeley.edu

BY: Mohammad Karim

DATE: 10/01/2026



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Seismic Parameters

Certified Response Spectral Acceleration Factors: (F_p/W_p)

Horizontal (A Flx-H), $g =$ 2.56 (A Rig-H), $g =$ 1.73

Vertical (A Flx-V), $g =$ 1.71 (A Rig-V), $g =$ 0.68

SDS (Design spectral response acceleration at short period, g) = 1.6 above grade and 2.56 at or below grade

H_f (Force amplification height factor) = 3.5 above grade and 1.0 at or below grade

R_u (Structure ductility reduction factor) = 1.3 above grade and 1.0 at or below grade

I_p (Importance factor) = 1.5

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

HCAI Approval (For Office Use Only) - Approval Expires on 10/01/2032

Date: 10/1/2026

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Condition of Approval (if applicable): Installation shall be limited to a minimum of two segments, as tested. Standalone single-segment installations are not acceptable.

BY: Mohammad Karim

DATE: 10/01/2026

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-M12-262290	~480	800-1200	26	22	90	765	UUT1-1
LSB1-i-M12-262690	~480	800-1200	26	26	90	784	Interpolated
LSB1-i-M12-2626109	~480	800-1200	26	26	109	919	Interpolated
LSB1-i-M12-263290	~480	800-1200	26	32	90	804	Interpolated
LSB1-i-M12-2632109	~480	800-1200	26	32	109	945	Interpolated
LSB1-i-M12-263690	~480	800-1200	26	36	90	823	Interpolated
LSB1-i-M12-2636109	~480	800-1200	26	36	109	968	Interpolated
LSB1-i-M12-264090	~480	800-1200	26	40	90	843	Interpolated
LSB1-i-M12-2640109	~480	800-1200	26	40	109	991	Interpolated
LSB1-i-M12-264590	~480	800-1200	26	45	90	868	Interpolated
LSB1-i-M12-2645109	~480	800-1200	26	45	109	1020	Interpolated
LSB1-i-M12-266290	~480	800-1200	26	62	90	951	Interpolated
LSB1-i-M12-2662109	~480	800-1200	26	62	109	1119	Interpolated
LSB1-i-M12-267290	~480	800-1200	26	72	90	1000	Interpolated
LSB1-i-M12-2672109	~480	800-1200	26	72	109	1178	Interpolated
LSB1-i-M12-302290	~480	800-1200	30	22	90	780	Interpolated
LSB1-i-M12-3022109	~480	800-1200	30	22	109	915	Interpolated
LSB1-i-M12- 302690	~480	800-1200	30	26	90	798	Interpolated
LSB1-i-M12-3026109	~480	800-1200	30	26	109	937	Interpolated
LSB1-i-M12-303290	~480	800-1200	30	32	90	827	Interpolated
LSB1-i-M12-3032109	~480	800-1200	30	32	109	971	Interpolated
LSB1-i-M12-303690	~480	800-1200	30	36	90	846	Interpolated
LSB1-i-M12-3036109	~480	800-1200	30	36	109	994	Interpolated
LSB1-i-M12-304090	~480	800-1200	30	40	90	865	Interpolated
LSB1-i-M12-3040109	~480	800-1200	30	40	109	1017	Interpolated
LSB1-i-M12-304590	~480	800-1200	30	45	90	888	Interpolated
LSB1-i-M12-3045109	~480	800-1200	30	45	109	1045	Interpolated
LSB1-i-M12-306290	~480	800-1200	30	62	90	969	Interpolated
LSB1-i-M12-3062109	~480	800-1200	30	62	109	1141	Interpolated
LSB1-i-M12-307290	~480	800-1200	30	72	90	1016	Interpolated
LSB1-i-M12-3072109	~480	800-1200	30	72	109	1198	Interpolated
LSB1-i-M12-322290	~480	800-1200	32	22	90	789	Interpolated
LSB1-i-M12-3222109	~480	800-1200	32	22	109	926	Interpolated
LSB1-i-M12-322690	~480	800-1200	32	26	90	808	Interpolated
LSB1-i-M12-3226109	~480	800-1200	32	26	109	949	Interpolated
LSB1-i-M12-323290	~480	800-1200	32	32	90	836	Interpolated
LSB1-i-M12-3232109	~480	800-1200	32	32	109	983	Interpolated
LSB1-i-M12-323690	~480	800-1200	32	36	90	855	Interpolated
LSB1-i-M12-3236109	~480	800-1200	32	36	109	1005	Interpolated
LSB1-i-M12-324090	~480	800-1200	32	40	90	874	Interpolated
LSB1-i-M12-3240109	~480	800-1200	32	40	109	1028	Interpolated
LSB1-i-M12-324590	~480	800-1200	32	45	90	898	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-M12-3245109	~480	800-1200	32	45	109	1056	Interpolated
LSB1-i-M12-326290	~480	800-1200	32	62	90	978	Interpolated
LSB1-i-M12-3262109	~480	800-1200	32	62	109	1153	Interpolated
LSB1-i-M12-327290	~480	800-1200	32	72	90	1026	Interpolated
LSB1-i-M12-3272109	~480	800-1200	32	72	109	1209	Interpolated
LSB1-i-M12-362290	~480	800-1200	36	22	90	808	Interpolated
LSB1-i-M12-3622109	~480	800-1200	36	22	109	949	Interpolated
LSB1-i-M12-362690	~480	800-1200	36	26	90	827	Interpolated
LSB1-i-M12-3626109	~480	800-1200	36	26	109	971	Interpolated
LSB1-i-M12-363290	~480	800-1200	36	32	90	855	Interpolated
LSB1-i-M12-3632109	~480	800-1200	36	32	109	1005	Interpolated
LSB1-i-M12-363690	~480	800-1200	36	36	90	874	Interpolated
LSB1-i-M12-3636109	~480	800-1200	36	36	109	1028	Interpolated
LSB1-i-M12-364090	~480	800-1200	36	40	90	893	Interpolated
LSB1-i-M12-3640109	~480	800-1200	36	40	109	1051	Interpolated
LSB1-i-M12-364590	~480	800-1200	36	45	90	917	Interpolated
LSB1-i-M12-3645109	~480	800-1200	36	45	109	1079	Interpolated
LSB1-i-M12-366290	~480	800-1200	36	62	90	997	Interpolated
LSB1-i-M12-3662109	~480	800-1200	36	62	109	1175	Interpolated
LSB1-i-M12-367290	~480	800-1200	36	72	90	1045	Interpolated
LSB1-i-M12-3672109	~480	800-1200	36	72	109	1232	Interpolated
LSB1-i-M12-422290	~480	800-1200	42	22	90	836	Interpolated
LSB1-i-M12-4222109	~480	800-1200	42	22	109	983	Interpolated
LSB1-i-M12-422690	~480	800-1200	42	26	90	855	Interpolated
LSB1-i-M12-4226109	~480	800-1200	42	26	109	1005	Interpolated
LSB1-i-M12-423290	~480	800-1200	42	32	90	884	Interpolated
LSB1-i-M12-4232109	~480	800-1200	42	32	109	1039	Interpolated
LSB1-i-M12-423690	~480	800-1200	42	36	90	903	Interpolated
LSB1-i-M12-4236109	~480	800-1200	42	36	109	1062	Interpolated
LSB1-i-M12-424090	~480	800-1200	42	40	90	921	Interpolated
LSB1-i-M12-4240109	~480	800-1200	42	40	109	1085	Interpolated
LSB1-i-M12-424590	~480	800-1200	42	45	90	945	Interpolated
LSB1-i-M12-4245109	~480	800-1200	42	45	109	1113	Interpolated
LSB1-i-M12-426290	~480	800-1200	42	62	90	1026	Interpolated
LSB1-i-M12-4262109	~480	800-1200	42	62	109	1209	Interpolated
LSB1-i-M12-427290	~480	800-1200	42	72	90	1073	Interpolated
LSB1-i-M12-4272109	~480	800-1200	42	72	109	1266	Interpolated
LSB1-i-M12-442290	~480	800-1200	44	22	90	846	Interpolated
LSB1-i-M12-4422109	~480	800-1200	44	22	109	994	Interpolated
LSB1-i-M12-442690	~480	800-1200	44	26	90	865	Interpolated
LSB1-i-M12-4426109	~480	800-1200	44	26	109	1017	Interpolated
LSB1-i-M12-443290	~480	800-1200	44	32	90	893	Interpolated
LSB1-i-M12-4432109	~480	800-1200	44	32	109	1051	Interpolated

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Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-M12-443690	~480	800-1200	44	36	90	912	Interpolated
LSB1-i-M12-4436109	~480	800-1200	44	36	109	1073	Interpolated
LSB1-i-M12-444090	~480	800-1200	44	40	90	931	Interpolated
LSB1-i-M12-4440109	~480	800-1200	44	40	109	1096	Interpolated
LSB1-i-M12-444590	~480	800-1200	44	45	90	955	Interpolated
LSB1-i-M12-4445109	~480	800-1200	44	45	109	1124	Interpolated
LSB1-i-M12-446290	~480	800-1200	44	62	90	1035	Interpolated
LSB1-i-M12-4462109	~480	800-1200	44	62	109	1220	Interpolated
LSB1-i-M12-447290	~480	800-1200	44	72	90	1082	Interpolated
LSB1-i-M12-4472109	~480	800-1200	44	72	109	1277	Interpolated
LSB1-i-M12-462290	~480	800-1200	46	22	90	855	Interpolated
LSB1-i-M12-4622109	~480	800-1200	46	22	109	1005	Interpolated
LSB1-i-M12-462690	~480	800-1200	46	26	90	874	Interpolated
LSB1-i-M12-4626109	~480	800-1200	46	26	109	1028	Interpolated
LSB1-i-M12-463290	~480	800-1200	46	32	90	903	Interpolated
LSB1-i-M12-4632109	~480	800-1200	46	32	109	1062	Interpolated
LSB1-i-M12-463690	~480	800-1200	46	36	90	921	Interpolated
LSB1-i-M12-4636109	~480	800-1200	46	36	109	1085	Interpolated
LSB1-i-M12-464090	~480	800-1200	46	40	90	940	Interpolated
LSB1-i-M12-4640109	~480	800-1200	46	40	109	1107	Interpolated
LSB1-i-M12-464590	~480	800-1200	46	45	90	964	Interpolated
LSB1-i-M12-4645109	~480	800-1200	46	45	109	1136	Interpolated
LSB1-i-M12-466290	~480	800-1200	46	62	90	1045	Interpolated
LSB1-i-M12-4662109	~480	800-1200	46	62	109	1232	Interpolated
LSB1-i-M12-467290	~480	800-1200	46	72	90	1092	Interpolated
LSB1-i-M12-4672109	~480	800-1200	46	72	109	1288	Interpolated
LSB1-i-M12-502290	~480	800-1200	50	22	90	874	Interpolated
LSB1-i-M12-5022109	~480	800-1200	50	22	109	1028	Interpolated
LSB1-i-M12-502690	~480	800-1200	50	26	90	893	Interpolated
LSB1-i-M12-5026109	~480	800-1200	50	26	109	1051	Interpolated
LSB1-i-M12-503290	~480	800-1200	50	32	90	921	Interpolated
LSB1-i-M12-5032109	~480	800-1200	50	32	109	1085	Interpolated
LSB1-i-M12-503690	~480	800-1200	50	36	90	940	Interpolated
LSB1-i-M12-5036109	~480	800-1200	50	36	109	1107	Interpolated
LSB1-i-M12-504090	~480	800-1200	50	40	90	959	Interpolated
LSB1-i-M12-5040109	~480	800-1200	50	40	109	1130	Interpolated
LSB1-i-M12-504590	~480	800-1200	50	45	90	983	Interpolated
LSB1-i-M12-5045109	~480	800-1200	50	45	109	1158	Interpolated
LSB1-i-M12-506290	~480	800-1200	50	62	90	1063	Interpolated
LSB1-i-M12-5062109	~480	800-1200	50	62	109	1254	Interpolated
LSB1-i-M12-507290	~480	800-1200	50	72	90	1111	Interpolated
LSB1-i-M12-5072109	~480	800-1200	50	72	109	1311	Interpolated
LSB1-i-M12-582290	~480	800-1200	58	22	90	912	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-M12-5822109	~480	800-1200	58	22	109	1073	Interpolated
LSB1-i-M12-582690	~480	800-1200	58	26	90	931	Interpolated
LSB1-i-M12-5826109	~480	800-1200	58	26	109	1096	Interpolated
LSB1-i-M12-583290	~480	800-1200	58	32	90	959	Interpolated
LSB1-i-M12-5832109	~480	800-1200	58	32	109	1130	Interpolated
LSB1-i-M12-583690	~480	800-1200	58	36	90	978	Interpolated
LSB1-i-M12-5836109	~480	800-1200	58	36	109	1152	Interpolated
LSB1-i-M12-584090	~480	800-1200	58	40	90	997	Interpolated
LSB1-i-M12-5840109	~480	800-1200	58	40	109	1175	Interpolated
LSB1-i-M12-584590	~480	800-1200	58	45	90	1021	Interpolated
LSB1-i-M12-5845109	~480	800-1200	58	45	109	1203	Interpolated
LSB1-i-M12-586290	~480	800-1200	58	62	90	1101	Interpolated
LSB1-i-M12-5862109	~480	800-1200	58	62	109	1300	Interpolated
LSB1-i-M12-587290	~480	800-1200	58	72	90	1149	Interpolated
LSB1-i-M12-5872109	~480	800-1200	58	72	109	1356	Interpolated
LSB1-i-C12-262290	~480	800-1200	26	22	90	755	UUT1-2
LSB1-i-C12-262690	~480	800-1200	26	26	90	800	Interpolated
LSB1-i-C12-263290	~480	800-1200	26	32	90	864	Interpolated
LSB1-i-C12-2632109	~480	800-1200	26	32	109	1005	Interpolated
LSB1-i-C12-263690	~480	800-1200	26	36	90	907	Interpolated
LSB1-i-C12-2636109	~480	800-1200	26	36	109	1052	Interpolated
LSB1-i-C12-264090	~480	800-1200	26	40	90	951	Interpolated
LSB1-i-C12-2640109	~480	800-1200	26	40	109	1099	Interpolated
LSB1-i-C12-264590	~480	800-1200	26	45	90	1004	Interpolated
LSB1-i-C12-2645109	~480	800-1200	26	45	109	1157	Interpolated
LSB1-i-C12-266290	~480	800-1200	26	62	90	1188	Interpolated
LSB1-i-C12-2662109	~480	800-1200	26	62	109	1356	Interpolated
LSB1-i-C12-267290	~480	800-1200	26	72	90	1295	Interpolated
LSB1-i-C12-2672109	~480	800-1200	26	72	109	1473	Interpolated
LSB1-i-C12-302290	~480	800-1200	30	22	90	800	Interpolated
LSB1-i-C12-302690	~480	800-1200	30	26	90	843	Interpolated
LSB1-i-C12-3026109	~480	800-1200	30	26	109	982	Interpolated
LSB1-i-C12-303290	~480	800-1200	30	32	90	907	Interpolated
LSB1-i-C12-3032109	~480	800-1200	30	32	109	1052	Interpolated
LSB1-i-C12-303690	~480	800-1200	30	36	90	951	Interpolated
LSB1-i-C12-3036109	~480	800-1200	30	36	109	1099	Interpolated
LSB1-i-C12-304090	~480	800-1200	30	40	90	994	Interpolated
LSB1-i-C12-3040109	~480	800-1200	30	40	109	1146	Interpolated
LSB1-i-C12-304590	~480	800-1200	30	45	90	1047	Interpolated
LSB1-i-C12-3045109	~480	800-1200	30	45	109	1204	Interpolated
LSB1-i-C12-306290	~480	800-1200	30	62	90	1231	Interpolated
LSB1-i-C12-3062109	~480	800-1200	30	62	109	1403	Interpolated
LSB1-i-C12-307290	~480	800-1200	30	72	90	1338	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-C12-3072109	~480	800-1200	30	72	109	1520	Interpolated
LSB1-i-C12-322290	~480	800-1200	32	22	90	821	Interpolated
LSB1-i-C12-3222109	~480	800-1200	32	22	109	958	Interpolated
LSB1-i-C12-322690	~480	800-1200	32	26	90	864	Interpolated
LSB1-i-C12-3226109	~480	800-1200	32	26	109	1005	Interpolated
LSB1-i-C12-323290	~480	800-1200	32	32	90	929	Interpolated
LSB1-i-C12-3232109	~480	800-1200	32	32	109	1075	Interpolated
LSB1-i-C12-323690	~480	800-1200	32	36	90	972	Interpolated
LSB1-i-C12-3236109	~480	800-1200	32	36	109	1122	Interpolated
LSB1-i-C12-324090	~480	800-1200	32	40	90	1015	Interpolated
LSB1-i-C12-3240109	~480	800-1200	32	40	109	1169	Interpolated
LSB1-i-C12-324590	~480	800-1200	32	45	90	1069	Interpolated
LSB1-i-C12-3245109	~480	800-1200	32	45	109	1227	Interpolated
LSB1-i-C12-326290	~480	800-1200	32	62	90	1252	Interpolated
LSB1-i-C12-3262109	~480	800-1200	32	62	109	1426	Interpolated
LSB1-i-C12-327290	~480	800-1200	32	72	90	1360	Interpolated
LSB1-i-C12-3272109	~480	800-1200	32	72	109	1544	Interpolated
LSB1-i-C12-362290	~480	800-1200	36	22	90	864	Interpolated
LSB1-i-C12-3622109	~480	800-1200	36	22	109	1005	Interpolated
LSB1-i-C12-362690	~480	800-1200	36	26	90	907	Interpolated
LSB1-i-C12-3626109	~480	800-1200	36	26	109	1052	Interpolated
LSB1-i-C12-363290	~480	800-1200	36	32	90	972	Interpolated
LSB1-i-C12-3632109	~480	800-1200	36	32	109	1122	Interpolated
LSB1-i-C12-363690	~480	800-1200	36	36	90	1015	Interpolated
LSB1-i-C12-3636109	~480	800-1200	36	36	109	1169	Interpolated
LSB1-i-C12-364090	~480	800-1200	36	40	90	1058	Interpolated
LSB1-i-C12-3640109	~480	800-1200	36	40	109	1216	Interpolated
LSB1-i-C12-364590	~480	800-1200	36	45	90	1112	Interpolated
LSB1-i-C12-3645109	~480	800-1200	36	45	109	1274	Interpolated
LSB1-i-C12-366290	~480	800-1200	36	62	90	1295	Interpolated
LSB1-i-C12-3662109	~480	800-1200	36	62	109	1473	Interpolated
LSB1-i-C12-367290	~480	800-1200	36	72	90	1403	Interpolated
LSB1-i-C12-3672109	~480	800-1200	36	72	109	1590	Interpolated
LSB1-i-C12-422290	~480	800-1200	42	22	90	929	Interpolated
LSB1-i-C12-4222109	~480	800-1200	42	22	109	1075	Interpolated
LSB1-i-C12-422690	~480	800-1200	42	26	90	972	Interpolated
LSB1-i-C12-4226109	~480	800-1200	42	26	109	1122	Interpolated
LSB1-i-C12-423290	~480	800-1200	42	32	90	1037	Interpolated
LSB1-i-C12-4232109	~480	800-1200	42	32	109	1192	Interpolated
LSB1-i-C12-423690	~480	800-1200	42	36	90	1080	Interpolated
LSB1-i-C12-4236109	~480	800-1200	42	36	109	1239	Interpolated
LSB1-i-C12-424090	~480	800-1200	42	40	90	1123	Interpolated
LSB1-i-C12-4240109	~480	800-1200	42	40	109	1286	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-C12-424590	~480	800-1200	42	45	90	1177	Interpolated
LSB1-i-C12-4245109	~480	800-1200	42	45	109	1345	Interpolated
LSB1-i-C12-426290	~480	800-1200	42	62	90	1360	Interpolated
LSB1-i-C12-4262109	~480	800-1200	42	62	109	1544	Interpolated
LSB1-i-C12-427290	~480	800-1200	42	72	90	1468	Interpolated
LSB1-i-C12-4272109	~480	800-1200	42	72	109	1661	Interpolated
LSB1-i-C12-442290	~480	800-1200	44	22	90	951	Interpolated
LSB1-i-C12-4422109	~480	800-1200	44	22	109	1099	Interpolated
LSB1-i-C12-442690	~480	800-1200	44	26	90	994	Interpolated
LSB1-i-C12-4426109	~480	800-1200	44	26	109	1146	Interpolated
LSB1-i-C12-443290	~480	800-1200	44	32	90	1058	Interpolated
LSB1-i-C12-4432109	~480	800-1200	44	32	109	1216	Interpolated
LSB1-i-C12-443690	~480	800-1200	44	36	90	1101	Interpolated
LSB1-i-C12-4436109	~480	800-1200	44	36	109	1263	Interpolated
LSB1-i-C12-444090	~480	800-1200	44	40	90	1144	Interpolated
LSB1-i-C12-4440109	~480	800-1200	44	40	109	1309	Interpolated
LSB1-i-C12-444590	~480	800-1200	44	45	90	1198	Interpolated
LSB1-i-C12-4445109	~480	800-1200	44	45	109	1368	Interpolated
LSB1-i-C12-446290	~480	800-1200	44	62	90	1382	Interpolated
LSB1-i-C12-4462109	~480	800-1200	44	62	109	1567	Interpolated
LSB1-i-C12-447290	~480	800-1200	44	72	90	1489	Interpolated
LSB1-i-C12-4472109	~480	800-1200	44	72	109	1684	Interpolated
LSB1-i-C12-462290	~480	800-1200	46	22	90	972	Interpolated
LSB1-i-C12-4622109	~480	800-1200	46	22	109	1122	Interpolated
LSB1-i-C12-462690	~480	800-1200	46	26	90	1015	Interpolated
LSB1-i-C12-4626109	~480	800-1200	46	26	109	1169	Interpolated
LSB1-i-C12-463290	~480	800-1200	46	32	90	1080	Interpolated
LSB1-i-C12-4632109	~480	800-1200	46	32	109	1239	Interpolated
LSB1-i-C12-463690	~480	800-1200	46	36	90	1123	Interpolated
LSB1-i-C12-4636109	~480	800-1200	46	36	109	1286	Interpolated
LSB1-i-C12-464090	~480	800-1200	46	40	90	1166	Interpolated
LSB1-i-C12-4640109	~480	800-1200	46	40	109	1333	Interpolated
LSB1-i-C12-464590	~480	800-1200	46	45	90	1220	Interpolated
LSB1-i-C12-4645109	~480	800-1200	46	45	109	1391	Interpolated
LSB1-i-C12-466290	~480	800-1200	46	62	90	1403	Interpolated
LSB1-i-C12-4662109	~480	800-1200	46	62	109	1590	Interpolated
LSB1-i-C12-467290	~480	800-1200	46	72	90	1511	Interpolated
LSB1-i-C12-4672109	~480	800-1200	46	72	109	1707	Interpolated
LSB1-i-C12-502290	~480	800-1200	50	22	90	1015	Interpolated
LSB1-i-C12-5022109	~480	800-1200	50	22	109	1169	Interpolated
LSB1-i-C12-502690	~480	800-1200	50	26	90	1058	Interpolated
LSB1-i-C12-5026109	~480	800-1200	50	26	109	1216	Interpolated
LSB1-i-C12-503290	~480	800-1200	50	32	90	1123	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-C12-5032109	~480	800-1200	50	32	109	1286	Interpolated
LSB1-i-C12-503690	~480	800-1200	50	36	90	1166	Interpolated
LSB1-i-C12-5036109	~480	800-1200	50	36	109	1333	Interpolated
LSB1-i-C12-504090	~480	800-1200	50	40	90	1209	Interpolated
LSB1-i-C12-5040109	~480	800-1200	50	40	109	1380	Interpolated
LSB1-i-C12-504590	~480	800-1200	50	45	90	1263	Interpolated
LSB1-i-C12-5045109	~480	800-1200	50	45	109	1438	Interpolated
LSB1-i-C12-506290	~480	800-1200	50	62	90	1446	Interpolated
LSB1-i-C12-5062109	~480	800-1200	50	62	109	1637	Interpolated
LSB1-i-C12-507290	~480	800-1200	50	72	90	1554	Interpolated
LSB1-i-C12-5072109	~480	800-1200	50	72	109	1754	Interpolated
LSB1-i-C12-582290	~480	800-1200	58	22	90	1101	Interpolated
LSB1-i-C12-5822109	~480	800-1200	58	22	109	1263	Interpolated
LSB1-i-C12-582690	~480	800-1200	58	26	90	1144	Interpolated
LSB1-i-C12-5826109	~480	800-1200	58	26	109	1309	Interpolated
LSB1-i-C12-583290	~480	800-1200	58	32	90	1209	Interpolated
LSB1-i-C12-5832109	~480	800-1200	58	32	109	1380	Interpolated
LSB1-i-C12-583690	~480	800-1200	58	36	90	1252	Interpolated
LSB1-i-C12-5836109	~480	800-1200	58	36	109	1426	Interpolated
LSB1-i-C12-584090	~480	800-1200	58	40	90	1295	Interpolated
LSB1-i-C12-5840109	~480	800-1200	58	40	109	1473	Interpolated
LSB1-i-C12-584590	~480	800-1200	58	45	90	1349	Interpolated
LSB1-i-C12-5845109	~480	800-1200	58	45	109	1532	Interpolated
LSB1-i-C12-586290	~480	800-1200	58	62	90	1532	Interpolated
LSB1-i-C12-5862109	~480	800-1200	58	62	109	1731	Interpolated
LSB1-i-C12-587290	~480	800-1200	58	72	90	1640	Interpolated
LSB1-i-C12-5872109	~480V	800-1200	58	72	109	1848	Interpolated
LSB1-i-D16-262690	~480	800-1600	26	26	90	1003	Interpolated
LSB1-i-D16-263290	~480	800-1600	26	32	90	1072	Interpolated
LSB1-i-D16-263690	~480	800-1600	26	36	90	1119	Interpolated
LSB1-i-D16-264090	~480	800-1600	26	40	90	1165	Interpolated
LSB1-i-D16-2640109	~480	800-1600	26	40	109	1324	Interpolated
LSB1-i-D16-264590	~480	800-1600	26	45	90	1223	Interpolated
LSB1-i-D16-2645109	~480	800-1600	26	45	109	1387	Interpolated
LSB1-i-D16-266290	~480	800-1600	26	62	90	1420	Interpolated
LSB1-i-D16-2662109	~480	800-1600	26	62	109	1601	Interpolated
LSB1-i-D16-267290	~480	800-1600	26	72	90	1536	Interpolated
LSB1-i-D16-2672109	~480	800-1600	26	72	109	1727	Interpolated
LSB1-i-D16-302690	~480	800-1600	30	26	90	1049	Interpolated
LSB1-i-D16-303290	~480	800-1600	30	32	90	1119	Interpolated
LSB1-i-D16-3032109	~480	800-1600	30	32	109	1274	Interpolated
LSB1-i-D16-303690	~480	800-1600	30	36	90	1165	Interpolated
LSB1-i-D16-3036109	~480	800-1600	30	36	109	1324	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-D16-304090	~480	800-1600	30	40	90	1211	Interpolated
LSB1-i-D16-3040109	~480	800-1600	30	40	109	1375	Interpolated
LSB1-i-D16-304590	~480	800-1600	30	45	90	1269	Interpolated
LSB1-i-D16-3045109	~480	800-1600	30	45	109	1438	Interpolated
LSB1-i-D16-306290	~480	800-1600	30	62	90	1466	Interpolated
LSB1-i-D16-3062109	~480	800-1600	30	62	109	1652	Interpolated
LSB1-i-D16-307290	~480	800-1600	30	72	90	1582	Interpolated
LSB1-i-D16-3072109	~480	800-1600	30	72	109	1777	Interpolated
LSB1-i-D16-322690	~480	800-1600	32	26	90	1072	Interpolated
LSB1-i-D16-323290	~480	800-1600	32	32	90	1142	Interpolated
LSB1-i-D16-3232109	~480	800-1600	32	32	109	1299	Interpolated
LSB1-i-D16-323690	~480	800-1600	32	36	90	1188	Interpolated
LSB1-i-D16-3236109	~480	800-1600	32	36	109	1350	Interpolated
LSB1-i-D16-324090	~480	800-1600	32	40	90	1235	Interpolated
LSB1-i-D16-3240109	~480	800-1600	32	40	109	1400	Interpolated
LSB1-i-D16-324590	~480	800-1600	32	45	90	1293	Interpolated
LSB1-i-D16-3245109	~480	800-1600	32	45	109	1463	Interpolated
LSB1-i-D16-326290	~480	800-1600	32	62	90	1489	Interpolated
LSB1-i-D16-3262109	~480	800-1600	32	62	109	1677	Interpolated
LSB1-i-D16-327290	~480	800-1600	32	72	90	1605	Interpolated
LSB1-i-D16-3272109	~480	800-1600	32	72	109	1803	Interpolated
LSB1-i-D16-362690	~480	800-1600	36	26	90	1119	Interpolated
LSB1-i-D16-363290	~480	800-1600	36	32	90	1188	Interpolated
LSB1-i-D16-3632109	~480	800-1600	36	32	109	1350	Interpolated
LSB1-i-D16-363690	~480	800-1600	36	36	90	1235	Interpolated
LSB1-i-D16-3636109	~480	800-1600	36	36	109	1400	Interpolated
LSB1-i-D16-364090	~480	800-1600	36	40	90	1281	Interpolated
LSB1-i-D16-3640109	~480	800-1600	36	40	109	1450	Interpolated
LSB1-i-D16-364590	~480	800-1600	36	45	90	1339	Interpolated
LSB1-i-D16-3645109	~480	800-1600	36	45	109	1513	Interpolated
LSB1-i-D16-366290	~480	800-1600	36	62	90	1536	Interpolated
LSB1-i-D16-3662109	~480	800-1600	36	62	109	1727	Interpolated
LSB1-i-D16-367290	~480	800-1600	36	72	90	1652	Interpolated
LSB1-i-D16-3672109	~480	800-1600	36	72	109	1853	Interpolated
LSB1-i-D16-422690	~480	800-1600	42	26	90	1188	Interpolated
LSB1-i-D16-4226109	~480	800-1600	42	26	109	1350	Interpolated
LSB1-i-D16-423290	~480	800-1600	42	32	90	1258	Interpolated
LSB1-i-D16-4232109	~480	800-1600	42	32	109	1425	Interpolated
LSB1-i-D16-423690	~480	800-1600	42	36	90	1304	Interpolated
LSB1-i-D16-4236109	~480	800-1600	42	36	109	1475	Interpolated
LSB1-i-D16-424090	~480	800-1600	42	40	90	1350	Interpolated
LSB1-i-D16-4240109	~480	800-1600	42	40	109	1526	Interpolated
LSB1-i-D16-424590	~480	800-1600	42	45	90	1408	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-D16-4245109	~480	800-1600	42	45	109	1589	Interpolated
LSB1-i-D16-426290	~480	800-1600	42	62	90	1605	Interpolated
LSB1-i-D16-4262109	~480	800-1600	42	62	109	1803	Interpolated
LSB1-i-D16-427290	~480	800-1600	42	72	90	1721	Interpolated
LSB1-i-D16-4272109	~480	800-1600	42	72	109	1928	Interpolated
LSB1-i-D16-442690	~480	800-1600	44	26	90	1211	Interpolated
LSB1-i-D16-4426109	~480	800-1600	44	26	109	1375	Interpolated
LSB1-i-D16-443290	~480	800-1600	44	32	90	1281	Interpolated
LSB1-i-D16-4432109	~480	800-1600	44	32	109	1450	Interpolated
LSB1-i-D16-443690	~480	800-1600	44	36	90	1327	Interpolated
LSB1-i-D16-4436109	~480	800-1600	44	36	109	1501	Interpolated
LSB1-i-D16-444090	~480	800-1600	44	40	90	1374	Interpolated
LSB1-i-D16-4440109	~480	800-1600	44	40	109	1551	Interpolated
LSB1-i-D16-444590	~480	800-1600	44	45	90	1431	Interpolated
LSB1-i-D16-4445109	~480	800-1600	44	45	109	1614	Interpolated
LSB1-i-D16-446290	~480	800-1600	44	62	90	1628	Interpolated
LSB1-i-D16-4462109	~480	800-1600	44	62	109	1828	Interpolated
LSB1-i-D16-447290	~480	800-1600	44	72	90	1744	Interpolated
LSB1-i-D16-4472109	~480	800-1600	44	72	109	1953	Interpolated
LSB1-i-D16-462690	~480	800-1600	46	26	90	1235	Interpolated
LSB1-i-D16-4626109	~480	800-1600	46	26	109	1400	Interpolated
LSB1-i-D16-463290	~480	800-1600	46	32	90	1304	Interpolated
LSB1-i-D16-4632109	~480	800-1600	46	32	109	1475	Interpolated
LSB1-i-D16-463690	~480	800-1600	46	36	90	1350	Interpolated
LSB1-i-D16-4636109	~480	800-1600	46	36	109	1526	Interpolated
LSB1-i-D16-464090	~480	800-1600	46	40	90	1397	Interpolated
LSB1-i-D16-4640109	~480	800-1600	46	40	109	1576	Interpolated
LSB1-i-D16-464590	~480	800-1600	46	45	90	1455	Interpolated
LSB1-i-D16-4645109	~480	800-1600	46	45	109	1639	Interpolated
LSB1-i-D16-466290	~480	800-1600	46	62	90	1652	Interpolated
LSB1-i-D16-4662109	~480	800-1600	46	62	109	1853	Interpolated
LSB1-i-D16-467290	~480	800-1600	46	72	90	1767	Interpolated
LSB1-i-D16-4672109	~480	800-1600	46	72	109	1979	Interpolated
LSB1-i-D16-502690	~480	800-1600	50	26	90	1281	Interpolated
LSB1-i-D16-5026109	~480	800-1600	50	26	109	1450	Interpolated
LSB1-i-D16-503290	~480	800-1600	50	32	90	1350	Interpolated
LSB1-i-D16-5032109	~480	800-1600	50	32	109	1526	Interpolated
LSB1-i-D16-503690	~480	800-1600	50	36	90	1397	Interpolated
LSB1-i-D16-5036109	~480	800-1600	50	36	109	1576	Interpolated
LSB1-i-D16-504090	~480	800-1600	50	40	90	1443	Interpolated
LSB1-i-D16-5040109	~480	800-1600	50	40	109	1626	Interpolated
LSB1-i-D16-504590	~480	800-1600	50	45	90	1501	Interpolated
LSB1-i-D16-5045109	~480	800-1600	50	45	109	1689	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-D16-506290	~480	800-1600	50	62	90	1698	Interpolated
LSB1-i-D16-5062109	~480	800-1600	50	62	109	1903	Interpolated
LSB1-i-D16-507290	~480	800-1600	50	72	90	1814	Interpolated
LSB1-i-D16-5072109	~480	800-1600	50	72	109	2029	Interpolated
LSB1-i-D16-582690	~480	800-1600	58	26	90	1374	Interpolated
LSB1-i-D16-5826109	~480	800-1600	58	26	109	1551	Interpolated
LSB1-i-D16-583290	~480	800-1600	58	32	90	1443	Interpolated
LSB1-i-D16-5832109	~480	800-1600	58	32	109	1626	Interpolated
LSB1-i-D16-583690	~480	800-1600	58	36	90	1489	Interpolated
LSB1-i-D16-5836109	~480	800-1600	58	36	109	1677	Interpolated
LSB1-i-D16-584090	~480	800-1600	58	40	90	1536	Interpolated
LSB1-i-D16-5840109	~480	800-1600	58	40	109	1727	Interpolated
LSB1-i-D16-584590	~480	800-1600	58	45	90	1594	Interpolated
LSB1-i-D16-5845109	~480	800-1600	58	45	109	1790	Interpolated
LSB1-i-D16-586290	~480	800-1600	58	62	90	1791	Interpolated
LSB1-i-D16-5862109	~480	800-1600	58	62	109	2004	Interpolated
LSB1-i-D16-587290	~480	800-1600	58	72	90	1906	Interpolated
LSB1-i-D16-5872109	~480	800-1600	58	72	109	2130	Interpolated
LSB1-i-E12-302690	~800	800-1200	30	26	90	1020	Interpolated
LSB1-i-E12-303290	~800	800-1200	30	32	90	1099	Interpolated
LSB1-i-E12-3032109	~800	800-1200	30	32	109	1286	Interpolated
LSB1-i-E12-303690	~800	800-1200	30	36	90	1152	Interpolated
LSB1-i-E12-3036109	~800	800-1200	30	36	109	1348	Interpolated
LSB1-i-E12-304090	~800	800-1200	30	40	90	1201	Interpolated
LSB1-i-E12-3040109	~800	800-1200	30	40	109	1407	Interpolated
LSB1-i-E12-304590	~800	800-1200	30	45	90	1281	Interpolated
LSB1-i-E12-3045109	~800	800-1200	30	45	109	1471	Interpolated
LSB1-i-E12-306290	~800	800-1200	30	62	90	1522	Interpolated
LSB1-i-E12-3062109	~800	800-1200	30	62	109	1712	Interpolated
LSB1-i-E12-307290	~800	800-1200	30	72	90	1663	Interpolated
LSB1-i-E12-3072109	~800	800-1200	30	72	109	1854	Interpolated
LSB1-i-E12-322690	~800	800-1200	32	26	90	1114	Interpolated
LSB1-i-E12-323290	~800	800-1200	32	32	90	1199	Interpolated
LSB1-i-E12-3232109	~800	800-1200	32	32	109	1389	Interpolated
LSB1-i-E12-323690	~800	800-1200	32	36	90	1256	Interpolated
LSB1-i-E12-3236109	~800	800-1200	32	36	109	1446	Interpolated
LSB1-i-E12-324090	~800	800-1200	32	40	90	1312	Interpolated
LSB1-i-E12-3240109	~800	800-1200	32	40	109	1503	Interpolated
LSB1-i-E12-324590	~800	800-1200	32	45	90	1383	Interpolated
LSB1-i-E12-3245109	~800	800-1200	32	45	109	1573	Interpolated
LSB1-i-E12-326290	~800	800-1200	32	62	90	1624	Interpolated
LSB1-i-E12-3262109	~800	800-1200	32	62	109	1814	Interpolated
LSB1-i-E12-327290	~800	800-1200	32	72	90	1766	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-E12-3272109	~800	800-1200	32	72	109	1956	Interpolated
LSB1-i-E12-362690	~800	800-1200	36	26	90	1303	Interpolated
LSB1-i-E12-363290	~800	800-1200	36	32	90	1399	Interpolated
LSB1-i-E12-3632109	~800	800-1200	36	32	109	1596	Interpolated
LSB1-i-E12-363690	~800	800-1200	36	36	90	1463	Interpolated
LSB1-i-E12-3636109	~800	800-1200	36	36	109	1642	Interpolated
LSB1-i-E12-364090	~800	800-1200	36	40	90	1534	Interpolated
LSB1-i-E12-3640109	~800	800-1200	36	40	109	1695	Interpolated
LSB1-i-E12-364590	~800	800-1200	36	45	90	1588	Interpolated
LSB1-i-E12-3645109	~800	800-1200	36	45	109	1778	Interpolated
LSB1-i-E12-366290	~800	800-1200	36	62	90	1829	Interpolated
LSB1-i-E12-3662109	~800	800-1200	36	62	109	2019	Interpolated
LSB1-i-E12-367290	~800	800-1200	36	72	90	1970	Interpolated
LSB1-i-E12-3672109	~800	800-1200	36	72	109	2160	Interpolated
LSB1-i-E12-422690	~800	800-1200	42	26	90	1586	Interpolated
LSB1-i-E12-423290	~800	800-1200	42	32	90	1699	Interpolated
LSB1-i-E12-4232109	~800	800-1200	42	32	109	1906	Interpolated
LSB1-i-E12-423690	~800	800-1200	42	36	90	1774	Interpolated
LSB1-i-E12-4236109	~800	800-1200	42	36	109	1936	Interpolated
LSB1-i-E12-424090	~800	800-1200	42	40	90	1867	Interpolated
LSB1-i-E12-4240109	~800	800-1200	42	40	109	1983	Interpolated
LSB1-i-E12-424590	~800	800-1200	42	45	90	1895	Interpolated
LSB1-i-E12-4245109	~800	800-1200	42	45	109	2085	Interpolated
LSB1-i-E12-426290	~800	800-1200	42	62	90	2135	Interpolated
LSB1-i-E12-4262109	~800	800-1200	42	62	109	2326	Interpolated
LSB1-i-E12-427290	~800	800-1200	42	72	90	2277	Interpolated
LSB1-i-E12-4272109	~800	800-1200	42	72	109	2467	Interpolated
LSB1-i-E12-442690	~800	800-1200	44	26	90	1681	Interpolated
LSB1-i-E12-443290	~800	800-1200	44	32	90	1799	Interpolated
LSB1-i-E12-4432109	~800	800-1200	44	32	109	2010	Interpolated
LSB1-i-E12-443690	~800	800-1200	44	36	90	1878	Interpolated
LSB1-i-E12-4436109	~800	800-1200	44	36	109	2034	Interpolated
LSB1-i-E12-444090	~800	800-1200	44	40	90	1978	Interpolated
LSB1-i-E12-4440109	~800	800-1200	44	40	109	2080	Interpolated
LSB1-i-E12-444590	~800	800-1200	44	45	90	1997	Interpolated
LSB1-i-E12-4445109	~800	800-1200	44	45	109	2187	Interpolated
LSB1-i-E12-446290	~800	800-1200	44	62	90	2238	Interpolated
LSB1-i-E12-4462109	~800	800-1200	44	62	109	2428	Interpolated
LSB1-i-E12-447290	~800	800-1200	44	72	90	2379	Interpolated
LSB1-i-E12-4472109	~800	800-1200	44	72	109	2570	Interpolated
LSB1-i-E12-462690	~800	800-1200	46	26	90	1775	Interpolated
LSB1-i-E12-463290	~800	800-1200	46	32	90	1899	Interpolated
LSB1-i-E12-4632109	~800	800-1200	46	32	109	2113	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-E12-463690	~800	800-1200	46	36	90	1982	Interpolated
LSB1-i-E12-4636109	~800	800-1200	46	36	109	2132	Interpolated
LSB1-i-E12-464090	~800	800-1200	46	40	90	2089	Interpolated
LSB1-i-E12-4640109	~800	800-1200	46	40	109	2176	Interpolated
LSB1-i-E12-464590	~800	800-1200	46	45	90	2099	Interpolated
LSB1-i-E12-4645109	~800	800-1200	46	45	109	2289	Interpolated
LSB1-i-E12-466290	~800	800-1200	46	62	90	2340	Interpolated
LSB1-i-E12-4662109	~800	800-1200	46	62	109	2530	Interpolated
LSB1-i-E12-467290	~800	800-1200	46	72	90	2482	Interpolated
LSB1-i-E12-4672109	~800	800-1200	46	72	109	2672	Interpolated
LSB1-i-E12-502690	~800	800-1200	50	26	90	1823	Interpolated
LSB1-i-E12-503290	~800	800-1200	50	32	90	1949	Interpolated
LSB1-i-E12-5032109	~800	800-1200	50	32	109	2165	Interpolated
LSB1-i-E12-503690	~800	800-1200	50	36	90	2034	Interpolated
LSB1-i-E12-5036109	~800	800-1200	50	36	109	2181	Interpolated
LSB1-i-E12-504090	~800	800-1200	50	40	90	2145	Interpolated
LSB1-i-E12-5040109	~800	800-1200	50	40	109	2224	Interpolated
LSB1-i-E12-504590	~800	800-1200	50	45	90	2150	Interpolated
LSB1-i-E12-5045109	~800	800-1200	50	45	109	2341	Interpolated
LSB1-i-E12-506290	~800	800-1200	50	62	90	2391	Interpolated
LSB1-i-E12-5062109	~800	800-1200	50	62	109	2581	Interpolated
LSB1-i-E12-507290	~800	800-1200	50	72	90	2533	Interpolated
LSB1-i-E12-5072109	~800	800-1200	50	72	109	2723	Interpolated
LSB1-i-E12-582690	~800	800-1200	58	26	90	1941	Interpolated
LSB1-i-E12-583290	~800	800-1200	58	32	90	2074	Interpolated
LSB1-i-E12-5832109	~800	800-1200	58	32	109	2294	Interpolated
LSB1-i-E12-583690	~800	800-1200	58	36	90	2163	Interpolated
LSB1-i-E12-5836109	~800	800-1200	58	36	109	2304	Interpolated
LSB1-i-E12-584090	~800	800-1200	58	40	90	2284	Interpolated
LSB1-i-E12-5840109	~800	800-1200	58	40	109	2344	Interpolated
LSB1-i-E12-584590	~800	800-1200	58	45	90	2278	Interpolated
LSB1-i-E12-5845109	~800	800-1200	58	45	109	2468	Interpolated
LSB1-i-E12-586290	~800	800-1200	58	62	90	2519	Interpolated
LSB1-i-E12-5862109	~800	800-1200	58	62	109	2709	Interpolated
LSB1-i-E12-587290	~800	800-1200	58	72	90	2661	Interpolated
LSB1-i-E12-5872109	~800	800-1200	58	72	109	2851	Interpolated
LSB1-i-E20-302690	~800	1600-2000	30	26	90	1149	Interpolated
LSB1-i-E20-303290	~800	1600-2000	30	32	90	1228	Interpolated
LSB1-i-E20-3032109	~800	1600-2000	30	32	109	1415	Interpolated
LSB1-i-E20-303690	~800	1600-2000	30	36	90	1281	Interpolated
LSB1-i-E20-3036109	~800	1600-2000	30	36	109	1477	Interpolated
LSB1-i-E20-304090	~800	1600-2000	30	40	90	1330	Interpolated
LSB1-i-E20-3040109	~800	1600-2000	30	40	109	1536	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-E20-304590	~800	1600-2000	30	45	90	1410	Interpolated
LSB1-i-E20-3045109	~800	1600-2000	30	45	109	1600	Interpolated
LSB1-i-E20-306290	~800	1600-2000	30	62	90	1651	Interpolated
LSB1-i-E20-3062109	~800	1600-2000	30	62	109	1841	Interpolated
LSB1-i-E20-307290	~800	1600-2000	30	72	90	1792	Interpolated
LSB1-i-E20-3072109	~800	1600-2000	30	72	109	1983	Interpolated
LSB1-i-E20-322690	~800	1600-2000	32	26	90	1243	Interpolated
LSB1-i-E20-323290	~800	1600-2000	32	32	90	1328	Interpolated
LSB1-i-E20-3232109	~800	1600-2000	32	32	109	1518	Interpolated
LSB1-i-E20-323690	~800	1600-2000	32	36	90	1385	Interpolated
LSB1-i-E20-3236109	~800	1600-2000	32	36	109	1575	Interpolated
LSB1-i-E20-324090	~800	1600-2000	32	40	90	1441	Interpolated
LSB1-i-E20-3240109	~800	1600-2000	32	40	109	1632	Interpolated
LSB1-i-E20-324590	~800	1600-2000	32	45	90	1512	Interpolated
LSB1-i-E20-3245109	~800	1600-2000	32	45	109	1703	Interpolated
LSB1-i-E20-326290	~800	1600-2000	32	62	90	1753	Interpolated
LSB1-i-E20-3262109	~800	1600-2000	32	62	109	1943	Interpolated
LSB1-i-E20-327290	~800	1600-2000	32	72	90	1895	Interpolated
LSB1-i-E20-3272109	~800	1600-2000	32	72	109	2085	Interpolated
LSB1-i-E20-362690	~800	1600-2000	36	26	90	1432	Interpolated
LSB1-i-E20-363290	~800	1600-2000	36	32	90	1528	Interpolated
LSB1-i-E20-3632109	~800	1600-2000	36	32	109	1725	Interpolated
LSB1-i-E20-363690	~800	1600-2000	36	36	90	1592	Interpolated
LSB1-i-E20-3636109	~800	1600-2000	36	36	109	1771	Interpolated
LSB1-i-E20-364090	~800	1600-2000	36	40	90	1663	Interpolated
LSB1-i-E20-3640109	~800	1600-2000	36	40	109	1824	Interpolated
LSB1-i-E20-364590	~800	1600-2000	36	45	90	1717	Interpolated
LSB1-i-E20-3645109	~800	1600-2000	36	45	109	1907	Interpolated
LSB1-i-E20-366290	~800	1600-2000	36	62	90	1958	Interpolated
LSB1-i-E20-3662109	~800	1600-2000	36	62	109	2148	Interpolated
LSB1-i-E20-367290	~800	1600-2000	36	72	90	2099	Interpolated
LSB1-i-E20-3672109	~800	1600-2000	36	72	109	2289	Interpolated
LSB1-i-E20-422690	~800	1600-2000	42	26	90	1716	Interpolated
LSB1-i-E20-423290	~800	1600-2000	42	32	90	1828	Interpolated
LSB1-i-E20-423690	~800	1600-2000	42	36	90	1903	Interpolated
LSB1-i-E20-4236109	~800	1600-2000	42	36	109	2065	Interpolated
LSB1-i-E20-424090	~800	1600-2000	42	40	90	1996	Interpolated
LSB1-i-E20-4240109	~800	1600-2000	42	40	109	2112	Interpolated
LSB1-i-E20-424590	~800	1600-2000	42	45	90	2024	Interpolated
LSB1-i-E20-4245109	~800	1600-2000	42	45	109	2214	Interpolated
LSB1-i-E20-426290	~800	1600-2000	42	62	90	2264	Interpolated
LSB1-i-E20-4262109	~800	1600-2000	42	62	109	2455	Interpolated
LSB1-i-E20-427290	~800	1600-2000	42	72	90	2406	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-E20-4272109	~800	1600-2000	42	72	109	2596	Interpolated
LSB1-i-E20-442690	~800	1600-2000	44	26	90	1810	Interpolated
LSB1-i-E20-443290	~800	1600-2000	44	32	90	1928	Interpolated
LSB1-i-E20-443690	~800	1600-2000	44	36	90	2007	Interpolated
LSB1-i-E20-4436109	~800	1600-2000	44	36	109	2163	Interpolated
LSB1-i-E20-444090	~800	1600-2000	44	40	90	2107	Interpolated
LSB1-i-E20-4440109	~800	1600-2000	44	40	109	2209	Interpolated
LSB1-i-E20-444590	~800	1600-2000	44	45	90	2126	Interpolated
LSB1-i-E20-4445109	~800	1600-2000	44	45	109	2316	Interpolated
LSB1-i-E20-446290	~800	1600-2000	44	62	90	2367	Interpolated
LSB1-i-E20-4462109	~800	1600-2000	44	62	109	2557	Interpolated
LSB1-i-E20-447290	~800	1600-2000	44	72	90	2508	Interpolated
LSB1-i-E20-4472109	~800	1600-2000	44	72	109	2699	Interpolated
LSB1-i-E20-462690	~800	1600-2000	46	26	90	1904	Interpolated
LSB1-i-E20-463290	~800	1600-2000	46	32	90	2028	Interpolated
LSB1-i-E20-463690	~800	1600-2000	46	36	90	2111	Interpolated
LSB1-i-E20-4636109	~800	1600-2000	46	36	109	2261	Interpolated
LSB1-i-E20-464090	~800	1600-2000	46	40	90	2218	Interpolated
LSB1-i-E20-4640109	~800	1600-2000	46	40	109	2305	Interpolated
LSB1-i-E20-464590	~800	1600-2000	46	45	90	2228	Interpolated
LSB1-i-E20-4645109	~800	1600-2000	46	45	109	2419	Interpolated
LSB1-i-E20-466290	~800	1600-2000	46	62	90	2469	Interpolated
LSB1-i-E20-4662109	~800	1600-2000	46	62	109	2659	Interpolated
LSB1-i-E20-467290	~800	1600-2000	46	72	90	2611	Interpolated
LSB1-i-E20-4672109	~800	1600-2000	46	72	109	2801	Interpolated
LSB1-i-E20-502690	~800	1600-2000	50	26	90	1952	Interpolated
LSB1-i-E20-503290	~800	1600-2000	50	32	90	2078	Interpolated
LSB1-i-E20-5032109	~800	1600-2000	50	32	109	2294	Interpolated
LSB1-i-E20-503690	~800	1600-2000	50	36	90	2163	Interpolated
LSB1-i-E20-5036109	~800	1600-2000	50	36	109	2310	Interpolated
LSB1-i-E20-504090	~800	1600-2000	50	40	90	2274	Interpolated
LSB1-i-E20-5040109	~800	1600-2000	50	40	109	2353	Interpolated
LSB1-i-E20-504590	~800	1600-2000	50	45	90	2279	Interpolated
LSB1-i-E20-5045109	~800	1600-2000	50	45	109	2470	Interpolated
LSB1-i-E20-506290	~800	1600-2000	50	62	90	2520	Interpolated
LSB1-i-E20-5062109	~800	1600-2000	50	62	109	2710	Interpolated
LSB1-i-E20-507290	~800	1600-2000	50	72	90	2662	Interpolated
LSB1-i-E20-5072109	~800	1600-2000	50	72	109	2852	Interpolated
LSB1-i-E20-582690	~800	1600-2000	58	26	90	2070	Interpolated
LSB1-i-E20-583290	~800	1600-2000	58	32	90	2203	Interpolated
LSB1-i-E20-5832109	~800	1600-2000	58	32	109	2423	Interpolated
LSB1-i-E20-583690	~800	1600-2000	58	36	90	2292	Interpolated
LSB1-i-E20-5836109	~800	1600-2000	58	36	109	2433	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-E20-584090	~800	1600-2000	58	40	90	2413	Interpolated
LSB1-i-E20-5840109	~800	1600-2000	58	40	109	2473	Interpolated
LSB1-i-E20-584590	~800	1600-2000	58	45	90	2407	Interpolated
LSB1-i-E20-5845109	~800	1600-2000	58	45	109	2598	Interpolated
LSB1-i-E20-586290	~800	1600-2000	58	62	90	2648	Interpolated
LSB1-i-E20-5862109	~800	1600-2000	58	62	109	2838	Interpolated
LSB1-i-E20-587290	~800	1600-2000	58	72	90	2790	Interpolated
LSB1-i-E20-5872109	~800	1600-2000	58	72	109	2980	Interpolated
LSB1-i-E25-302690	~800	2500	30	26	90	1196	Interpolated
LSB1-i-E25-303290	~800	2500	30	32	90	1287	Interpolated
LSB1-i-E25-303690	~800	2500	30	36	90	1344	Interpolated
LSB1-i-E25-3036109	~800	2500	30	36	109	1385	UUT4-2
LSB1-i-E25-304090	~800	2500	30	40	90	1402	Interpolated
LSB1-i-E25-3040109	~800	2500	30	40	109	1604	Interpolated
LSB1-i-E25-304590	~800	2500	30	45	90	1488	Interpolated
LSB1-i-E25-3045109	~800	2500	30	45	109	1678	Interpolated
LSB1-i-E25-306290	~800	2500	30	62	90	1754	Interpolated
LSB1-i-E25-3062109	~800	2500	30	62	109	1944	Interpolated
LSB1-i-E25-307290	~800	2500	30	72	90	1911	Interpolated
LSB1-i-E25-3072109	~800	2500	30	72	109	2101	Interpolated
LSB1-i-E25-322690	~800	2500	32	26	90	1236	Interpolated
LSB1-i-E25-323290	~800	2500	32	32	90	1328	Interpolated
LSB1-i-E25-3232109	~800	2500	32	32	109	1517	Interpolated
LSB1-i-E25-323690	~800	2500	32	36	90	1391	Interpolated
LSB1-i-E25-3236109	~800	2500	32	36	109	1580	Interpolated
LSB1-i-E25-324090	~800	2500	32	40	90	1453	Interpolated
LSB1-i-E25-3240109	~800	2500	32	40	109	1643	Interpolated
LSB1-i-E25-324590	~800	2500	32	45	90	1532	Interpolated
LSB1-i-E25-3245109	~800	2500	32	45	109	1721	Interpolated
LSB1-i-E25-326290	~800	2500	32	62	90	1798	Interpolated
LSB1-i-E25-3262109	~800	2500	32	62	109	1988	Interpolated
LSB1-i-E25-327290	~800	2500	32	72	90	1955	Interpolated
LSB1-i-E25-3272109	~800	2500	32	72	109	2145	Interpolated
LSB1-i-E25-362690	~800	2500	36	26	90	1314	Interpolated
LSB1-i-E25-363290	~800	2500	36	32	90	1410	Interpolated
LSB1-i-E25-3632109	~800	2500	36	32	109	1603	Interpolated
LSB1-i-E25-363690	~800	2500	36	36	90	1483	Interpolated
LSB1-i-E25-3636109	~800	2500	36	36	109	1659	Interpolated
LSB1-i-E25-364090	~800	2500	36	40	90	1557	Interpolated
LSB1-i-E25-3640109	~800	2500	36	40	109	1720	Interpolated
LSB1-i-E25-364590	~800	2500	36	45	90	1620	Interpolated
LSB1-i-E25-3645109	~800	2500	36	45	109	1808	Interpolated
LSB1-i-E25-366290	~800	2500	36	62	90	1887	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-E25-3662109	~800	2500	36	62	109	2075	Interpolated
LSB1-i-E25-367290	~800	2500	36	72	90	2043	Interpolated
LSB1-i-E25-3672109	~800	2500	36	72	109	2232	Interpolated
LSB1-i-E25-422690	~800	2500	42	26	90	1432	Interpolated
LSB1-i-E25-423290	~800	2500	42	32	90	1532	Interpolated
LSB1-i-E25-4232109	~800	2500	42	32	109	1731	Interpolated
LSB1-i-E25-423690	~800	2500	42	36	90	1622	Interpolated
LSB1-i-E25-4236109	~800	2500	42	36	109	1778	Interpolated
LSB1-i-E25-424090	~800	2500	42	40	90	1712	Interpolated
LSB1-i-E25-4240109	~800	2500	42	40	109	1836	Interpolated
LSB1-i-E25-424590	~800	2500	42	45	90	1752	Interpolated
LSB1-i-E25-4245109	~800	2500	42	45	109	1939	Interpolated
LSB1-i-E25-426290	~800	2500	42	62	90	2019	Interpolated
LSB1-i-E25-4262109	~800	2500	42	62	109	2205	Interpolated
LSB1-i-E25-427290	~800	2500	42	72	90	2176	Interpolated
LSB1-i-E25-4272109	~800	2500	42	72	109	2362	Interpolated
LSB1-i-E25-442690	~800	2500	44	26	90	1472	Interpolated
LSB1-i-E25-443290	~800	2500	44	32	90	1573	Interpolated
LSB1-i-E25-4432109	~800	2500	44	32	109	1774	Interpolated
LSB1-i-E25-443690	~800	2500	44	36	90	1668	Interpolated
LSB1-i-E25-4436109	~800	2500	44	36	109	1818	Interpolated
LSB1-i-E25-444090	~800	2500	44	40	90	1764	Interpolated
LSB1-i-E25-4440109	~800	2500	44	40	109	1875	Interpolated
LSB1-i-E25-444590	~800	2500	44	45	90	1796	Interpolated
LSB1-i-E25-4445109	~800	2500	44	45	109	1982	Interpolated
LSB1-i-E25-446290	~800	2500	44	62	90	2063	Interpolated
LSB1-i-E25-4462109	~800	2500	44	62	109	2249	Interpolated
LSB1-i-E25-447290	~800	2500	44	72	90	2220	Interpolated
LSB1-i-E25-4472109	~800	2500	44	72	109	2406	Interpolated
LSB1-i-E25-462690	~800	2500	46	26	90	1511	Interpolated
LSB1-i-E25-4626109	~800	2500	46	26	109	1778	Interpolated
LSB1-i-E25-463290	~800	2500	46	32	90	1614	Interpolated
LSB1-i-E25-4632109	~800	2500	46	32	109	1816	Interpolated
LSB1-i-E25-463690	~800	2500	46	36	90	1714	Interpolated
LSB1-i-E25-4636109	~800	2500	46	36	109	1857	Interpolated
LSB1-i-E25-464090	~800	2500	46	40	90	1816	Interpolated
LSB1-i-E25-4640109	~800	2500	46	40	109	1914	Interpolated
LSB1-i-E25-464590	~800	2500	46	45	90	1840	Interpolated
LSB1-i-E25-4645109	~800	2500	46	45	109	2026	Interpolated
LSB1-i-E25-466290	~800	2500	46	62	90	2107	Interpolated
LSB1-i-E25-4662109	~800	2500	46	62	109	2292	Interpolated
LSB1-i-E25-467290	~800	2500	46	72	90	2264	Interpolated
LSB1-i-E25-4672109	~800	2500	46	72	109	2449	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-E25-502690	~800	2500	50	26	90	1590	Interpolated
LSB1-i-E25-5026109	~800	2500	50	26	109	1880	Interpolated
LSB1-i-E25-503290	~800	2500	50	32	90	1696	Interpolated
LSB1-i-E25-5032109	~800	2500	50	32	109	1902	Interpolated
LSB1-i-E25-503690	~800	2500	50	36	90	1807	Interpolated
LSB1-i-E25-5036109	~800	2500	50	36	109	1936	Interpolated
LSB1-i-E25-504090	~800	2500	50	40	90	1919	Interpolated
LSB1-i-E25-5040109	~800	2500	50	40	109	1991	Interpolated
LSB1-i-E25-504590	~800	2500	50	45	90	1928	Interpolated
LSB1-i-E25-5045109	~800	2500	50	45	109	2113	Interpolated
LSB1-i-E25-506290	~800	2500	50	62	90	2195	Interpolated
LSB1-i-E25-5062109	~800	2500	50	62	109	2379	Interpolated
LSB1-i-E25-507290	~800	2500	50	72	90	2352	Interpolated
LSB1-i-E25-5072109	~800	2500	50	72	109	2536	Interpolated
LSB1-i-E25-582690	~800	2500	58	26	90	1747	Interpolated
LSB1-i-E25-5826109	~800	2500	58	26	109	2083	Interpolated
LSB1-i-E25-583290	~800	2500	58	32	90	1859	Interpolated
LSB1-i-E25-5832109	~800	2500	58	32	109	2073	Interpolated
LSB1-i-E25-583690	~800	2500	58	36	90	1991	Interpolated
LSB1-i-E25-5836109	~800	2500	58	36	109	2095	Interpolated
LSB1-i-E25-584090	~800	2500	58	40	90	2126	Interpolated
LSB1-i-E25-5840109	~800	2500	58	40	109	2146	Interpolated
LSB1-i-E25-584590	~800	2500	58	45	90	2104	Interpolated
LSB1-i-E25-5845109	~800	2500	58	45	109	2287	Interpolated
LSB1-i-E25-586290	~800	2500	58	62	90	2371	Interpolated
LSB1-i-E25-5862109	~800	2500	58	62	109	2553	Interpolated
LSB1-i-E25-587290	~800	2500	58	72	90	2528	Interpolated
LSB1-i-E25-5872109	~800	2500	58	72	109	2710	Interpolated
LSB1-i-E32-363290	~800	3200	36	32	90	1862	Interpolated
LSB1-i-E32-363690	~800	3200	36	36	90	1941	Interpolated
LSB1-i-E32-364090	~800	3200	36	40	90	2025	Interpolated
LSB1-i-E32-364590	~800	3200	36	45	90	2142	Interpolated
LSB1-i-E32-3645109	~800	3200	36	45	109	2329	Interpolated
LSB1-i-E32-366290	~800	3200	36	62	90	2519	Interpolated
LSB1-i-E32-3662109	~800	3200	36	62	109	2706	Interpolated
LSB1-i-E32-367290	~800	3200	36	72	90	2741	Interpolated
LSB1-i-E32-3672109	~800	3200	36	72	109	2928	Interpolated
LSB1-i-E32-423290	~800	3200	42	32	90	2022	Interpolated
LSB1-i-E32-423690	~800	3200	42	36	90	2118	Interpolated
LSB1-i-E32-424090	~800	3200	42	40	90	2207	Interpolated
LSB1-i-E32-4240109	~800	3200	42	40	109	2396	Interpolated
LSB1-i-E32-424590	~800	3200	42	45	90	2317	Interpolated
LSB1-i-E32-4245109	~800	3200	42	45	109	2507	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-E32-426290	~800	3200	42	62	90	2694	Interpolated
LSB1-i-E32-4262109	~800	3200	42	62	109	2883	Interpolated
LSB1-i-E32-427290	~800	3200	42	72	90	2916	Interpolated
LSB1-i-E32-4272109	~800	3200	42	72	109	3105	Interpolated
LSB1-i-E32-443290	~800	3200	44	32	90	2075	Interpolated
LSB1-i-E32-443690	~800	3200	44	36	90	2177	Interpolated
LSB1-i-E32-444090	~800	3200	44	40	90	2267	Interpolated
LSB1-i-E32-4440109	~800	3200	44	40	109	2452	Interpolated
LSB1-i-E32-444590	~800	3200	44	45	90	2376	Interpolated
LSB1-i-E32-4445109	~800	3200	44	45	109	2566	Interpolated
LSB1-i-E32-446290	~800	3200	44	62	90	2753	Interpolated
LSB1-i-E32-4462109	~800	3200	44	62	109	2943	Interpolated
LSB1-i-E32-447290	~800	3200	44	72	90	2974	Interpolated
LSB1-i-E32-4472109	~800	3200	44	72	109	3164	Interpolated
LSB1-i-E32-463290	~800	3200	46	32	90	2129	Interpolated
LSB1-i-E32-463690	~800	3200	46	36	90	2236	Interpolated
LSB1-i-E32-4636109	~800	3200	46	36	109	2429	Interpolated
LSB1-i-E32-464090	~800	3200	46	40	90	2327	Interpolated
LSB1-i-E32-4640109	~800	3200	46	40	109	2507	Interpolated
LSB1-i-E32-464590	~800	3200	46	45	90	2434	Interpolated
LSB1-i-E32-4645109	~800	3200	46	45	109	2625	Interpolated
LSB1-i-E32-466290	~800	3200	46	62	90	2811	Interpolated
LSB1-i-E32-4662109	~800	3200	46	62	109	3002	Interpolated
LSB1-i-E32-467290	~800	3200	46	72	90	3033	Interpolated
LSB1-i-E32-4672109	~800	3200	46	72	109	3223	Interpolated
LSB1-i-E32-503290	~800	3200	50	32	90	2235	Interpolated
LSB1-i-E32-503690	~800	3200	50	36	90	2354	Interpolated
LSB1-i-E32-5036109	~800	3200	50	36	109	2551	Interpolated
LSB1-i-E32-504090	~800	3200	50	40	90	2448	Interpolated
LSB1-i-E32-5040109	~800	3200	50	40	109	2619	Interpolated
LSB1-i-E32-504590	~800	3200	50	45	90	2551	Interpolated
LSB1-i-E32-5045109	~800	3200	50	45	109	2743	Interpolated
LSB1-i-E32-506290	~800	3200	50	62	90	2928	Interpolated
LSB1-i-E32-5062109	~800	3200	50	62	109	3120	Interpolated
LSB1-i-E32-507290	~800	3200	50	72	90	3149	Interpolated
LSB1-i-E32-5072109	~800	3200	50	72	109	3342	Interpolated
LSB1-i-E32-583290	~800	3200	58	32	90	2448	Interpolated
LSB1-i-E32-583690	~800	3200	58	36	90	2590	Interpolated
LSB1-i-E32-5836109	~800	3200	58	36	109	2796	Interpolated
LSB1-i-E32-584090	~800	3200	58	40	90	2689	Interpolated
LSB1-i-E32-5840109	~800	3200	58	40	109	2843	Interpolated
LSB1-i-E32-584590	~800	3200	58	45	90	2784	Interpolated
LSB1-i-E32-5845109	~800	3200	58	45	109	2980	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-E32-586290	~800	3200	58	62	90	3161	Interpolated
LSB1-i-E32-5862109	~800	3200	58	62	109	3357	Interpolated
LSB1-i-E32-587290	~800	3200	58	72	90	3383	Interpolated
LSB1-i-E32-5872109	~800	3200	58	72	109	3578	Interpolated
LSB1-i-G32-443690	~600	3200	44	36	90	1894	Interpolated
LSB1-i-G32-4436109	~600	3200	44	36	109	2207	Interpolated
LSB1-i-G32-444090	~600	3200	44	40	90	1984	Interpolated
LSB1-i-G32-4440109	~600	3200	44	40	109	2290	Interpolated
LSB1-i-G32-444590	~600	3200	44	45	90	2007	Interpolated
LSB1-i-G32-4445109	~600	3200	44	45	109	2311	Interpolated
LSB1-i-G32-446290	~600	3200	44	62	90	2083	Interpolated
LSB1-i-G32-4462109	~600	3200	44	62	109	2382	Interpolated
LSB1-i-G32-447290	~600	3200	44	72	90	2128	Interpolated
LSB1-i-G32-4472109	~600	3200	44	72	109	2424	Interpolated
LSB1-i-G32-463690	~600	3200	46	36	90	1939	Interpolated
LSB1-i-G32-4636109	~600	3200	46	36	109	2249	Interpolated
LSB1-i-G32-464090	~600	3200	46	40	90	1957	Interpolated
LSB1-i-G32-4640109	~600	3200	46	40	109	2265	Interpolated
LSB1-i-G32-464590	~600	3200	46	45	90	1980	Interpolated
LSB1-i-G32-4645109	~600	3200	46	45	109	2286	Interpolated
LSB1-i-G32-466290	~600	3200	46	62	90	2056	Interpolated
LSB1-i-G32-4662109	~600	3200	46	62	109	2357	Interpolated
LSB1-i-G32-467290	~600	3200	46	72	90	2101	Interpolated
LSB1-i-G32-4672109	~600	3200	46	72	109	2399	Interpolated
LSB1-i-G32-503690	~600	3200	50	36	90	2029	Interpolated
LSB1-i-G32-5036109	~600	3200	50	36	109	2332	Interpolated
LSB1-i-G32-504090	~600	3200	50	40	90	2119	Interpolated
LSB1-i-G32-5040109	~600	3200	50	40	109	2415	Interpolated
LSB1-i-G32-504590	~600	3200	50	45	90	2142	Interpolated
LSB1-i-G32-5045109	~600	3200	50	45	109	2436	Interpolated
LSB1-i-G32-506290	~600	3200	50	62	90	2218	Interpolated
LSB1-i-G32-5062109	~600	3200	50	62	109	2507	Interpolated
LSB1-i-G32-507290	~600	3200	50	72	90	2263	Interpolated
LSB1-i-G32-5072109	~600	3200	50	72	109	2549	Interpolated
LSB1-i-G32-583690	~600	3200	58	36	90	2209	Interpolated
LSB1-i-G32-5836109	~600	3200	58	36	109	2499	Interpolated
LSB1-i-G32-584090	~600	3200	58	40	90	2227	Interpolated
LSB1-i-G32-5840109	~600	3200	58	40	109	2516	Interpolated
LSB1-i-G32-584590	~600	3200	58	45	90	2250	Interpolated
LSB1-i-G32-5845109	~600	3200	58	45	109	2536	Interpolated
LSB1-i-G32-586290	~600	3200	58	62	90	2326	Interpolated
LSB1-i-G32-5862109	~600	3200	58	62	109	2607	Interpolated
LSB1-i-G32-587290	~600	3200	58	72	90	2371	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-G32-5872109	~600	3200	58	72	109	2649	Interpolated
LSB1-i-G40-443690	~600	4000	44	36	90	2152	Interpolated
LSB1-i-G40-4436109	~600	4000	44	36	109	2308	UUT4-1
LSB1-i-G40-444090	~600	4000	44	40	90	2242	Interpolated
LSB1-i-G40-4440109	~600	4000	44	40	109	2548	Interpolated
LSB1-i-G40-444590	~600	4000	44	45	90	2265	Interpolated
LSB1-i-G40-4445109	~600	4000	44	45	109	2569	Interpolated
LSB1-i-G40-446290	~600	4000	44	62	90	2341	Interpolated
LSB1-i-G40-4462109	~600	4000	44	62	109	2640	Interpolated
LSB1-i-G40-447290	~600	4000	44	72	90	2386	Interpolated
LSB1-i-G40-4472109	~600	4000	44	72	109	2682	Interpolated
LSB1-i-G40-463690	~600	4000	46	36	90	2197	Interpolated
LSB1-i-G40-4636109	~600	4000	46	36	109	2507	Interpolated
LSB1-i-G40-464090	~600	4000	46	40	90	2215	Interpolated
LSB1-i-G40-4640109	~600	4000	46	40	109	2523	Interpolated
LSB1-i-G40-464590	~600	4000	46	45	90	2238	Interpolated
LSB1-i-G40-4645109	~600	4000	46	45	109	2544	Interpolated
LSB1-i-G40-466290	~600	4000	46	62	90	2314	Interpolated
LSB1-i-G40-4662109	~600	4000	46	62	109	2615	Interpolated
LSB1-i-G40-467290	~600	4000	46	72	90	2359	Interpolated
LSB1-i-G40-4672109	~600	4000	46	72	109	2657	Interpolated
LSB1-i-G40-503690	~600	4000	50	36	90	2287	Interpolated
LSB1-i-G40-5036109	~600	4000	50	36	109	2590	Interpolated
LSB1-i-G40-504090	~600	4000	50	40	90	2377	Interpolated
LSB1-i-G40-5040109	~600	4000	50	40	109	2674	Interpolated
LSB1-i-G40-504590	~600	4000	50	45	90	2400	Interpolated
LSB1-i-G40-5045109	~600	4000	50	45	109	2694	Interpolated
LSB1-i-G40-506290	~600	4000	50	62	90	2476	Interpolated
LSB1-i-G40-5062109	~600	4000	50	62	109	2765	Interpolated
LSB1-i-G40-507290	~600	4000	50	72	90	2521	Interpolated
LSB1-i-G40-5072109	~600	4000	50	72	109	2807	Interpolated
LSB1-i-G40-583690	~600	4000	58	36	90	2467	Interpolated
LSB1-i-G40-5836109	~600	4000	58	36	109	2757	Interpolated
LSB1-i-G40-584090	~600	4000	58	40	90	2485	Interpolated
LSB1-i-G40-5840109	~600	4000	58	40	109	2774	Interpolated
LSB1-i-G40-584590	~600	4000	58	45	90	2508	Interpolated
LSB1-i-G40-5845109	~600	4000	58	45	109	2795	Interpolated
LSB1-i-G40-586290	~600	4000	58	62	90	2584	Interpolated
LSB1-i-G40-5862109	~600	4000	58	62	109	2865	Interpolated
LSB1-i-G40-587290	~600	4000	58	72	90	2629	Interpolated
LSB1-i-G40-5872109	~600	4000	58	72	109	2907	Interpolated
LSB1-i-G50-444090	~600	5000	44	40	90	2754	Interpolated
LSB1-i-G50-444590	~600	5000	44	45	90	2778	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-i-G50-446290	~600	5000	44	62	90	2858	Interpolated
LSB1-i-G50-4462109	~600	5000	44	62	109	3156	Interpolated
LSB1-i-G50-447290	~600	5000	44	72	90	2906	Interpolated
LSB1-i-G50-4472109	~600	5000	44	72	109	3203	Interpolated
LSB1-i-G50-464090	~600	5000	46	40	90	2781	Interpolated
LSB1-i-G50-464590	~600	5000	46	45	90	2804	Interpolated
LSB1-i-G50-466290	~600	5000	46	62	90	2885	Interpolated
LSB1-i-G50-4662109	~600	5000	46	62	109	3182	Interpolated
LSB1-i-G50-467290	~600	5000	46	72	90	2932	Interpolated
LSB1-i-G50-4672109	~600	5000	46	72	109	3229	Interpolated
LSB1-i-G50-504090	~600	5000	50	40	90	2833	Interpolated
LSB1-i-G50-504590	~600	5000	50	45	90	2857	Interpolated
LSB1-i-G50-506290	~600	5000	50	62	90	2937	Interpolated
LSB1-i-G50-5062109	~600	5000	50	62	109	3235	Interpolated
LSB1-i-G50-507290	~600	5000	50	72	90	2985	Interpolated
LSB1-i-G50-5072109	~600	5000	50	72	109	3282	Interpolated
LSB1-i-G50-584090	~600	5000	58	40	90	2939	Interpolated
LSB1-i-G50-584590	~600	5000	58	45	90	2962	Interpolated
LSB1-i-G50-5845109	~600	5000	58	45	109	3260	Interpolated
LSB1-i-G50-586290	~600	5000	58	62	90	3043	Interpolated
LSB1-i-G50-5862109	~600	5000	58	62	109	3340	Interpolated
LSB1-i-G50-587290	~600	5000	58	72	90	3090	Interpolated
LSB1-i-G50-5872109	~600	5000	58	72	109	3388	Interpolated
LSB1-i-G60-446290	~600	6000	44	62	90	3416	Interpolated
LSB1-i-G60-447290	~600	6000	44	72	90	3461	Interpolated
LSB1-i-G60-4472109	~600	6000	44	72	109	3757	Interpolated
LSB1-i-G60-466290	~600	6000	46	62	90	3425	Interpolated
LSB1-i-G60-467290	~600	6000	46	72	90	3470	Interpolated
LSB1-i-G60-4672109	~600	6000	46	72	109	3765	Interpolated
LSB1-i-G60-504590	~600	6000	50	45	90	3367	Interpolated
LSB1-i-G60-506290	~600	6000	50	62	90	3443	Interpolated
LSB1-i-G60-5062109	~600	6000	50	62	109	3740	Interpolated
LSB1-i-G60-507290	~600	6000	50	72	90	3488	Interpolated
LSB1-i-G60-5072109	~600	6000	50	72	109	3782	Interpolated
LSB1-i-G60-584590	~600	6000	58	45	90	3385	Interpolated
LSB1-i-G60-586290	~600	6000	58	62	90	3461	Interpolated
LSB1-i-G60-5862109	~600	6000	58	62	109	3757	Interpolated
LSB1-i-G60-587290	~600	6000	58	72	90	3506	Interpolated
LSB1-i-G60-5872109	~600	6000	58	72	109	3799	Interpolated
LSB1-G-M20-362690	~480	2000	36	26	90	972	Interpolated
LSB1-G-M20-363290	~480	2000	36	32	90	1043	Interpolated
LSB1-G-M20-363690	~480	2000	36	36	90	1090	Interpolated
LSB1-G-M20-364090	~480	2000	36	40	90	1138	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-G-M20-364590	~480	2000	36	45	90	1197	Interpolated
LSB1-G-M20-366290	~480	2000	36	62	90	1398	Interpolated
LSB1-G-M20-367290	~480	2000	36	72	90	1517	Interpolated
LSB1-G-M20-422690	~480	2000	42	26	90	1043	Interpolated
LSB1-G-M20-423290	~480	2000	42	32	90	1114	Interpolated
LSB1-G-M20-423690	~480	2000	42	36	90	1161	Interpolated
LSB1-G-M20-424090	~480	2000	42	40	90	1209	Interpolated
LSB1-G-M20-424590	~480	2000	42	45	90	1268	Interpolated
LSB1-G-M20-426290	~480	2000	42	62	90	1470	Interpolated
LSB1-G-M20-427290	~480	2000	42	72	90	1588	Interpolated
LSB1-G-M20-442690	~480	2000	44	26	90	1066	Interpolated
LSB1-G-M20-443290	~480	2000	44	32	90	1138	Interpolated
LSB1-G-M20-443690	~480	2000	44	36	90	1185	Interpolated
LSB1-G-M20-444090	~480	2000	44	40	90	1232	Interpolated
LSB1-G-M20-444590	~480	2000	44	45	90	1292	Interpolated
LSB1-G-M20-446290	~480	2000	44	62	90	1493	Interpolated
LSB1-G-M20-447290	~480	2000	44	72	90	1612	Interpolated
LSB1-G-M20-462690	~480	2000	46	26	90	1090	Interpolated
LSB1-G-M20-463290	~480	2000	46	32	90	1161	Interpolated
LSB1-G-M20-463690	~480	2000	46	36	90	1209	Interpolated
LSB1-G-M20-464090	~480	2000	46	40	90	1256	Interpolated
LSB1-G-M20-464590	~480	2000	46	45	90	1315	Interpolated
LSB1-G-M20-466290	~480	2000	46	62	90	1517	Interpolated
LSB1-G-M20-467290	~480	2000	46	72	90	1636	Interpolated
LSB1-G-M20-502690	~480	2000	50	26	90	1138	Interpolated
LSB1-G-M20-503290	~480	2000	50	32	90	1209	Interpolated
LSB1-G-M20-503690	~480	2000	50	36	90	1256	Interpolated
LSB1-G-M20-504090	~480	2000	50	40	90	1304	Interpolated
LSB1-G-M20-504590	~480	2000	50	45	90	1363	Interpolated
LSB1-G-M20-506290	~480	2000	50	62	90	1564	Interpolated
LSB1-G-M20-507290	~480	2000	50	72	90	1683	Interpolated
LSB1-G-M20-582690	~480	2000	58	26	90	1232	Interpolated
LSB1-G-M20-583290	~480	2000	58	32	90	1304	Interpolated
LSB1-G-M20-583690	~480	2000	58	36	90	1351	Interpolated
LSB1-G-M20-584090	~480	2000	58	40	90	1398	Interpolated
LSB1-G-M20-584590	~480	2000	58	45	90	1458	Interpolated
LSB1-G-M20-586290	~480	2000	58	62	90	1659	Interpolated
LSB1-G-M20-587290	~480	2000	58	72	90	1778	Interpolated
LSB1-G-M40-362690	~480	4000	36	26	90	1234	Interpolated
LSB1-G-M40-363290	~480	4000	36	32	90	1305	Interpolated
LSB1-G-M40-363690	~480	4000	36	36	90	1353	Interpolated
LSB1-G-M40-364090	~480	4000	36	40	90	1400	Interpolated
LSB1-G-M40-364590	~480	4000	36	45	90	1460	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-G-M40-366290	~480	4000	36	62	90	1661	Interpolated
LSB1-G-M40-367290	~480	4000	36	72	90	1780	Interpolated
LSB1-G-M40-422690	~480	4000	42	26	90	1305	Interpolated
LSB1-G-M40-423290	~480	4000	42	32	90	1377	Interpolated
LSB1-G-M40-423690	~480	4000	42	36	90	1424	Interpolated
LSB1-G-M40-424090	~480	4000	42	40	90	1471	Interpolated
LSB1-G-M40-424590	~480	4000	42	45	90	1531	Interpolated
LSB1-G-M40-426290	~480	4000	42	62	90	1732	Interpolated
LSB1-G-M40-427290	~480	4000	42	72	90	1851	Interpolated
LSB1-G-M40-442690	~480	4000	44	26	90	1329	Interpolated
LSB1-G-M40-443290	~480	4000	44	32	90	1400	Interpolated
LSB1-G-M40-443690	~480	4000	44	36	90	1448	Interpolated
LSB1-G-M40-444090	~480	4000	44	40	90	1495	Interpolated
LSB1-G-M40-444590	~480	4000	44	45	90	1554	Interpolated
LSB1-G-M40-446290	~480	4000	44	62	90	1756	Interpolated
LSB1-G-M40-447290	~480	4000	44	72	90	1875	Interpolated
LSB1-G-M40-462690	~480	4000	46	26	90	1353	Interpolated
LSB1-G-M40-463290	~480	4000	46	32	90	1424	Interpolated
LSB1-G-M40-463690	~480	4000	46	36	90	1471	Interpolated
LSB1-G-M40-464090	~480	4000	46	40	90	1519	Interpolated
LSB1-G-M40-464590	~480	4000	46	45	90	1578	Interpolated
LSB1-G-M40-466290	~480	4000	46	62	90	1780	Interpolated
LSB1-G-M40-467290	~480	4000	46	72	90	1898	Interpolated
LSB1-G-M40-502690	~480	4000	50	26	90	1400	Interpolated
LSB1-G-M40-503290	~480	4000	50	32	90	1471	Interpolated
LSB1-G-M40-503690	~480	4000	50	36	90	1519	Interpolated
LSB1-G-M40-504090	~480	4000	50	40	90	1566	Interpolated
LSB1-G-M40-504590	~480	4000	50	45	90	1626	Interpolated
LSB1-G-M40-506290	~480	4000	50	62	90	1827	Interpolated
LSB1-G-M40-507290	~480	4000	50	72	90	1946	Interpolated
LSB1-G-M40-582690	~480	4000	58	26	90	1495	Interpolated
LSB1-G-M40-583290	~480	4000	58	32	90	1566	Interpolated
LSB1-G-M40-583690	~480	4000	58	36	90	1614	Interpolated
LSB1-G-M40-584090	~480	4000	58	40	90	1661	Interpolated
LSB1-G-M40-584590	~480	4000	58	45	90	1720	Interpolated
LSB1-G-M40-586290	~480	4000	58	62	90	1922	Interpolated
LSB1-G-M40-587290	~480	4000	58	72	90	2041	Interpolated
LSB1-G-M60-362690	~480	6000	36	26	90	1335	Interpolated
LSB1-G-M60-363290	~480	6000	36	32	90	1406	Interpolated
LSB1-G-M60-363690	~480	6000	36	36	90	1453	Interpolated
LSB1-G-M60-364090	~480	6000	36	40	90	1501	Interpolated
LSB1-G-M60-364590	~480	6000	36	45	90	1560	Interpolated
LSB1-G-M60-366290	~480	6000	36	62	90	1762	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB1-G-M60-367290	~480	6000	36	72	90	1880	Interpolated
LSB1-G-M60-422690	~480	6000	42	26	90	1406	Interpolated
LSB1-G-M60-423290	~480	6000	42	32	90	1477	Interpolated
LSB1-G-M60-423690	~480	6000	42	36	90	1525	Interpolated
LSB1-G-M60-424090	~480	6000	42	40	90	1572	Interpolated
LSB1-G-M60-424590	~480	6000	42	45	90	1631	Interpolated
LSB1-G-M60-426290	~480	6000	42	62	90	1833	Interpolated
LSB1-G-M60-427290	~480	6000	42	72	90	1951	Interpolated
LSB1-G-M60-442690	~480	6000	44	26	90	1430	Interpolated
LSB1-G-M60-443290	~480	6000	44	32	90	1501	Interpolated
LSB1-G-M60-443690	~480	6000	44	36	90	1548	Interpolated
LSB1-G-M60-444090	~480	6000	44	40	90	1596	Interpolated
LSB1-G-M60-444590	~480	6000	44	45	90	1655	Interpolated
LSB1-G-M60-446290	~480	6000	44	62	90	1857	Interpolated
LSB1-G-M60-447290	~480	6000	44	72	90	1975	Interpolated
LSB1-G-M60-462690	~480	6000	46	26	90	1453	Interpolated
LSB1-G-M60-463290	~480	6000	46	32	90	1525	Interpolated
LSB1-G-M60-463690	~480	6000	46	36	90	1572	Interpolated
LSB1-G-M60-464090	~480	6000	46	40	90	1619	Interpolated
LSB1-G-M60-464590	~480	6000	46	45	90	1679	Interpolated
LSB1-G-M60-466290	~480	6000	46	62	90	1880	Interpolated
LSB1-G-M60-467290	~480	6000	46	72	90	1999	Interpolated
LSB1-G-M60-502690	~480	6000	50	26	90	1501	Interpolated
LSB1-G-M60-503290	~480	6000	50	32	90	1572	Interpolated
LSB1-G-M60-503690	~480	6000	50	36	90	1619	Interpolated
LSB1-G-M60-504090	~480	6000	50	40	90	1667	Interpolated
LSB1-G-M60-504590	~480	6000	50	45	90	1726	Interpolated
LSB1-G-M60-506290	~480	6000	50	62	90	1928	Interpolated
LSB1-G-M60-507290	~480	6000	50	72	90	2046	Interpolated
LSB1-G-M60-582690	~480	6000	58	26	90	1596	Interpolated
LSB1-G-M60-583290	~480	6000	58	32	90	1667	Interpolated
LSB1-G-M60-583690	~480	6000	58	36	90	1714	Interpolated
LSB1-G-M60-584090	~480	6000	58	40	90	1762	Interpolated
LSB1-G-M60-584590	~480	6000	58	45	90	1821	Interpolated
LSB1-G-M60-586290	~480	6000	58	62	90	2023	Interpolated
LSB1-G-M60-587290	~480	6000	58	72	90	2072	Interpolated
LSB1-G-M60-587290	~480	6000	60	94	100	2143	UUT2-2
LSB2-i-D12-326290	~480	800-1200	32	60	90	2388	UUT3-2
LSB2-i-D12-3262109	~480	800-1200	32	62	109	2804	Interpolated
LSB2-i-D12-327290	~480	800-1200	32	72	90	2607	Interpolated
LSB2-i-D12-3272109	~480	800-1200	32	72	109	3023	Interpolated
LSB2-i-D12-366290	~480	800-1200	36	62	90	2476	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB2-i-D12-3662109	~480	800-1200	36	62	109	2892	Interpolated
LSB2-i-D12-367290	~480	800-1200	36	72	90	2695	Interpolated
LSB2-i-D12-3672109	~480	800-1200	36	72	109	3111	Interpolated
LSB2-i-D12-426290	~480	800-1200	42	62	90	2607	Interpolated
LSB2-i-D12-4262109	~480	800-1200	42	62	109	3023	Interpolated
LSB2-i-D12-427290	~480	800-1200	42	72	90	2826	Interpolated
LSB2-i-D12-4272109	~480	800-1200	42	72	109	3242	Interpolated
LSB2-i-D12-446290	~480	800-1200	44	62	90	2651	Interpolated
LSB2-i-D12-4462109	~480	800-1200	44	62	109	3067	Interpolated
LSB2-i-D12-447290	~480	800-1200	44	72	90	2870	Interpolated
LSB2-i-D12-4472109	~480	800-1200	44	72	109	3286	Interpolated
LSB2-i-D12-466290	~480	800-1200	46	62	90	2695	Interpolated
LSB2-i-D12-4662109	~480	800-1200	46	62	109	3111	Interpolated
LSB2-i-D12-467290	~480	800-1200	46	72	90	2914	Interpolated
LSB2-i-D12-4672109	~480	800-1200	46	72	109	3330	Interpolated
LSB2-i-D16-326290	~480	1600	32	60	90	2388	UUT3-2
LSB2-i-D16-3262109	~480	1600	32	62	109	2804	Interpolated
LSB2-i-D16-327290	~480	1600	32	72	90	2607	Interpolated
LSB2-i-D16-3272109	~480	1600	32	72	109	3023	Interpolated
LSB2-i-D16-366290	~480	1600	36	62	90	2476	Interpolated
LSB2-i-D16-3662109	~480	1600	36	62	109	2892	Interpolated
LSB2-i-D16-367290	~480	1600	36	72	90	2695	Interpolated
LSB2-i-D16-3672109	~480	1600	36	72	109	3111	Interpolated
LSB2-i-D16-426290	~480	1600	42	62	90	2607	Interpolated
LSB2-i-D16-4262109	~480	1600	42	62	109	3023	Interpolated
LSB2-i-D16-427290	~480	1600	42	72	90	2826	Interpolated
LSB2-i-D16-4272109	~480	1600	42	72	109	3242	Interpolated
LSB2-i-D16-446290	~480	1600	44	62	90	2651	Interpolated
LSB2-i-D16-4462109	~480	1600	44	62	109	3067	Interpolated
LSB2-i-D16-447290	~480	1600	44	72	90	2870	Interpolated
LSB2-i-D16-4472109	~480	1600	44	72	109	3286	Interpolated
LSB2-i-D16-466290	~480	1600	46	62	90	2695	Interpolated
LSB2-i-D16-4662109	~480	1600	46	62	109	3111	Interpolated
LSB2-i-D16-467290	~480	1600	46	72	90	2914	Interpolated
LSB2-i-D16-4672109	~480	1600	46	72	109	3330	Interpolated
LSB2-i-E12-327290	~480	800-1200	32	72	90	2280	Interpolated
LSB2-i-E12-3272109	~480	800-1200	32	72	109	2641	Interpolated
LSB2-i-E12-328690	~480	800-1200	32	86	90	2546	Interpolated
LSB2-i-E12-3286109	~480	800-1200	32	86	109	2908	Interpolated
LSB2-i-E12-367290	~480	800-1200	36	72	90	2356	Interpolated
LSB2-i-E12-3672109	~480	800-1200	36	72	109	2717	Interpolated
LSB2-i-E12-368690	~480	800-1200	36	86	90	2622	Interpolated
LSB2-i-E12-3686109	~480	800-1200	36	86	109	2984	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB2-i-E12-427290	~480	800-1200	42	72	90	2470	Interpolated
LSB2-i-E12-4272109	~480	800-1200	42	72	109	2831	Interpolated
LSB2-i-E12-428690	~480	800-1200	42	86	90	2736	Interpolated
LSB2-i-E12-4286109	~480	800-1200	42	86	109	3098	Interpolated
LSB2-i-E12-447290	~480	800-1200	44	72	90	2508	Interpolated
LSB2-i-E12-4472109	~480	800-1200	44	72	109	2869	Interpolated
LSB2-i-E12-448690	~480	800-1200	44	86	90	2774	Interpolated
LSB2-i-E12-4486109	~480	800-1200	44	86	109	3136	Interpolated
LSB2-i-E12-467290	~480	800-1200	46	72	90	2546	Interpolated
LSB2-i-E12-4672109	~480	800-1200	46	72	109	2908	Interpolated
LSB2-i-E12-468690	~480	800-1200	46	86	90	2812	Interpolated
LSB2-i-E12-4686109	~480	800-1200	46	86	109	3174	Interpolated
LSB2-i-E20-327290	~480	1600-2000	32	72	90	2280	Interpolated
LSB2-i-E20-3272109	~480	1600-2000	32	72	109	2641	Interpolated
LSB2-i-E20-328690	~480	1600-2000	32	86	90	2546	Interpolated
LSB2-i-E20-3286109	~480	1600-2000	32	86	109	2908	Interpolated
LSB2-i-E20-367290	~480	1600-2000	36	72	90	2356	Interpolated
LSB2-i-E20-3672109	~480	1600-2000	36	72	109	2717	Interpolated
LSB2-i-E20-368690	~480	1600-2000	36	86	90	2622	Interpolated
LSB2-i-E20-3686109	~480	1600-2000	36	86	109	2984	Interpolated
LSB2-i-E20-427290	~480	1600-2000	42	72	90	2470	Interpolated
LSB2-i-E20-4272109	~480	1600-2000	42	72	109	2831	Interpolated
LSB2-i-E20-428690	~480	1600-2000	42	86	90	2736	Interpolated
LSB2-i-E20-4286109	~480	1600-2000	42	86	109	3098	Interpolated
LSB2-i-E20-447290	~480	1600-2000	44	72	90	2508	Interpolated
LSB2-i-E20-4472109	~480	1600-2000	44	72	109	2869	Interpolated
LSB2-i-E20-448690	~480	1600-2000	44	86	90	2774	Interpolated
LSB2-i-E20-4486109	~480	1600-2000	44	86	109	3136	Interpolated
LSB2-i-E20-467290	~480	1600-2000	46	72	90	2546	Interpolated
LSB2-i-E20-4672109	~480	1600-2000	46	72	109	2908	Interpolated
LSB2-i-E20-468690	~480	1600-2000	46	86	90	2812	Interpolated
LSB2-i-E20-4686109	~480	1600-2000	46	86	109	3174	Interpolated
LSB2-i-E25-327290	~480	2500	32	72	90	2280	Interpolated
LSB2-i-E25-3272109	~480	2500	32	72	109	2641	Interpolated
LSB2-i-E25-328690	~480	2500	32	86	90	2546	Interpolated
LSB2-i-E25-3286109	~480	2500	32	86	109	2908	Interpolated
LSB2-i-E25-367290	~480	2500	36	72	90	2356	Interpolated
LSB2-i-E25-3672109	~480	2500	36	72	109	2717	Interpolated
LSB2-i-E25-368690	~480	2500	36	86	90	2622	Interpolated
LSB2-i-E25-3686109	~480	2500	36	86	109	2984	Interpolated
LSB2-i-E25-427290	~480	2500	42	72	90	2470	Interpolated
LSB2-i-E25-4272109	~480	2500	42	72	109	2831	Interpolated
LSB2-i-E25-428690	~480	2500	42	86	90	2736	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB2-i-E25-4286109	~480	2500	42	86	109	3098	Interpolated
LSB2-i-E25-447290	~480	2500	44	72	90	2508	Interpolated
LSB2-i-E25-4472109	~480	2500	44	72	109	2869	Interpolated
LSB2-i-E25-448690	~480	2500	44	86	90	2774	Interpolated
LSB2-i-E25-4486109	~480	2500	44	86	109	3136	Interpolated
LSB2-i-E25-467290	~480	2500	46	72	90	2546	Interpolated
LSB2-i-E25-4672109	~480	2500	46	72	109	2908	Interpolated
LSB2-i-E25-468690	~480	2500	46	86	90	2812	Interpolated
LSB2-i-E25-4686109	~480	2500	46	86	109	3174	Interpolated
LSB2-i-E32-326090	~480	3200	32	60	90	1900	UUT3-1
LSB2-i-E32-327290	~480	3200	32	72	90	2280	Interpolated
LSB2-i-E32-3272109	~480	3200	32	72	109	2641	Interpolated
LSB2-i-E32-328690	~480	3200	32	86	90	2546	Interpolated
LSB2-i-E32-3286109	~480	3200	32	86	109	2908	Interpolated
LSB2-i-E32-367290	~480	3200	36	72	90	2356	Interpolated
LSB2-i-E32-3672109	~480	3200	36	72	109	2717	Interpolated
LSB2-i-E32-368690	~480	3200	36	86	90	2622	Interpolated
LSB2-i-E32-3686109	~480	3200	36	86	109	2984	Interpolated
LSB2-i-E32-427290	~480	3200	42	72	90	2470	Interpolated
LSB2-i-E32-4272109	~480	3200	42	72	109	2831	Interpolated
LSB2-i-E32-428690	~480	3200	42	86	90	2736	Interpolated
LSB2-i-E32-4286109	~480	3200	42	86	109	3098	Interpolated
LSB2-i-E32-447290	~480	3200	44	72	90	2508	Interpolated
LSB2-i-E32-4472109	~480	3200	44	72	109	2869	Interpolated
LSB2-i-E32-448690	~480	3200	44	86	90	2774	Interpolated
LSB2-i-E32-4486109	~480	3200	44	86	109	3136	Interpolated
LSB2-i-E32-467290	~480	3200	46	72	90	2546	Interpolated
LSB2-i-E32-4672109	~480	3200	46	72	109	2908	Interpolated
LSB2-i-E32-468690	~480	3200	46	86	90	2812	Interpolated
LSB2-i-E32-4686109	~480	3200	46	86	109	3174	Interpolated
LSB2-i-G32-447290	~480	3200	44	72	90	4418	Interpolated
LSB2-i-G32-4472109	~480	3200	44	72	109	4528	Interpolated
LSB2-i-G32-448690	~480	3200	44	86	90	4577	Interpolated
LSB2-i-G32-467290	~480	3200	46	72	90	4630	Interpolated
LSB2-i-G32-468690	~480	3200	46	86	90	4696	Interpolated
LSB2-i-G40-447290	~480	4000	44	72	90	4418	Interpolated
LSB2-i-G40-4472109	~480	4000	44	72	109	4528	Interpolated
LSB2-i-G40-448690	~480	4000	44	86	90	4577	Interpolated
LSB2-i-G40-467290	~480	4000	46	72	90	4630	Interpolated
LSB2-i-G40-468690	~480	4000	46	86	90	4696	Interpolated
LSB2-i-G50-447290	~480	5000	44	72	90	4418	Interpolated
LSB2-i-G50-4472109	~480	5000	44	72	109	4528	Interpolated
LSB2-i-G50-448690	~480	5000	44	86	90	4577	Interpolated

Table 1: Certified UL 891 Low Voltage Switchboard – Detail

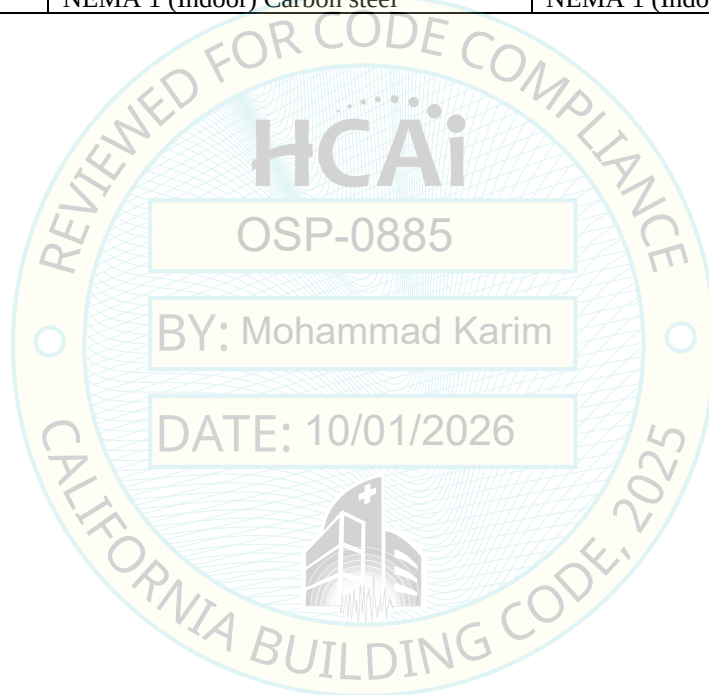
Model : LSB1 Series	Voltage	Rating	Dimensions [in]			Weight	UUT
	[V]	[A]	W	D	H	[lb]	
LSB2-i-G50-467290	~480	5000	46	72	90	4630	Interpolated
LSB2-i-G50-468690	~480	5000	46	86	90	4696	Interpolated
LSB2-i-G60-447290	~480	6000	44	72	90	4418	Interpolated
LSB2-i-G60-4472109	~480	6000	44	72	109	4528	Interpolated
LSB2-i-G60-448690	~480	6000	44	86	90	4577	Interpolated
LSB2-i-G60-467290	~480	6000	46	72	90	4630	Interpolated
LSB2-i-G60-468690	~480	6000	46	86	90	4696	Interpolated
LSB2-i-G60-467290	~480	6000	46	94	100	4792	UUT2-1
LSB2-G-M20-367290	~480	2000	36	72	90	1839	Interpolated
LSB2-G-M20-368690	~480	2000	36	86	90	1895	Interpolated
LSB2-G-M20-427290	~480	2000	42	72	90	1919	Interpolated
LSB2-G-M20-428690	~480	2000	42	86	90	1975	Interpolated
LSB2-G-M20-447290	~480	2000	44	72	90	1946	Interpolated
LSB2-G-M20-448690	~480	2000	44	86	90	2002	Interpolated
LSB2-G-M20-467290	~480	2000	46	72	90	1973	Interpolated
LSB2-G-M20-468690	~480	2000	46	86	90	2028	Interpolated
LSB2-G-M40-367290	~480	4000	36	72	90	1839	Interpolated
LSB2-G-M40-368690	~480	4000	36	86	90	1895	Interpolated
LSB2-G-M40-427290	~480	4000	42	72	90	1919	Interpolated
LSB2-G-M40-428690	~480	4000	42	86	90	1975	Interpolated
LSB2-G-M40-447290	~480	4000	44	72	90	1946	Interpolated
LSB2-G-M40-448690	~480	4000	44	86	90	2002	Interpolated
LSB2-G-M40-467290	~480	4000	46	72	90	1973	Interpolated
LSB2-G-M40-468690	~480	4000	46	86	90	2028	Interpolated
LSB2-G-M60-367290	~480	6000	36	72	90	1839	Interpolated
LSB2-G-M60-368690	~480	6000	36	86	90	1895	Interpolated
LSB2-G-M60-427290	~480	6000	42	72	90	1919	Interpolated
LSB2-G-M60-428690	~480	6000	42	86	90	1975	Interpolated
LSB2-G-M60-447290	~480	6000	44	72	90	1946	Interpolated
LSB2-G-M60-448690	~480	6000	44	86	90	2002	Interpolated
LSB2-G-M60-467290	~480	6000	46	72	90	1973	Interpolated
LSB2-G-M60-468690	~480	6000	46	86	90	2028	Interpolated

Table 2A: Certified Breakers (ACB & MCCB) for UL 891 Switchboards

Sub components	Material	Manufacturer	Part Number	Description	Weight [lb]	UUT
ACB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UAS-12C3-12A	1200A COMPACT ACB FIXED TYPE	77.8	UUT 1
MCCB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UTS1200L FTU1200 1200A 3P	UTS 1200A MCCB	40.3	UUT 1
Enclosure	Carbon Steel	LS ELECTRIC	ENC1-i-M12-026022090	Enclosure 1	538.8	UUT 1
Enclosure	Carbon Steel	LS ELECTRIC	ENC1-i-C12-026022090	Enclosure 2	538.8	UUT 1
ACB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UAS-60G3-60A	6000A G TYPE ACB DRAW-OUT	213.8	UUT 2
ACB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UAL-S60EG-AVFS	G60 FRAME ACB CRADLE	275.6	UUT 2
MCCB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UTE100H FTU100 100A 3P	UTE 100A MCCB	2.3	UUT 2
MCCB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UTS150N FTU150 150A 3P	UTS 150A MCCB	3.9	UUT 2
MCCB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UTS250N FTU250 250A 3P	UTS 250A MCCB	4.5	UUT 2
MCCB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UTS400N FTU400 400A 3P	UTS 400A MCCB	13.9	UUT 2
MCCB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UTS600N FTU600 600A 3P	UTS 600A MCCB	15.8	UUT 2
MCCB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UTS800L Trip Relay 800 800A 3P	UTS 800A MCCB	31.3	UUT 2
MCCB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UTS1200L Trip Relay 1200 1200A 3P	UTS 1200A MCCB	40.3	UUT 2
Enclosure	Carbon Steel	LS ELECTRIC	ENC2-i-G60-046072090	Enclosure 1	1230.4	UUT 2
Enclosure	Carbon Steel	LS ELECTRIC	ENC1-G-M60-058072090	Enclosure 2	1103.0	UUT 2
ACB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UAS-32E3-32A	3200A E TYPE ACB DRAW-OUT	121.3	UUT 3
ACB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UAL-S32E3-AVFS	E32 FRAME ACB CRADLE	205.0	UUT 3
ACB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UAS-08D3-08A	D Type ACB 800A FIXED	70.5	UUT 3
ACB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UAS-16D3-16A	D Type ACB 1600A FIXED	70.5	UUT 3
Enclosure	Carbon Steel	LS ELECTRIC	ENC2-i-E32-032060090	Enclosure 1	926.6	UUT 3
Enclosure	Carbon Steel	LS ELECTRIC	ENC2-i-D12-032062090	Enclosure 2	848.6	UUT 3
	Carbon Steel	LS ELECTRIC	ENC2-i-D16-032062090		866.9	UUT 3
ACB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UAS-40G3-40A	4000A G TYPE ACB FIXED	280.0	UUT 4
ACB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UAH-25E3-25A	2500A E TYPE ACB DRAW-OUT	121.3	UUT 4
ACB	Carbon Steel/ Copper/Plastic	LS ELECTRIC	UAL-S20E3-AVFS	E20 FRAME ACB CRADLE	121.3	UUT 4
Enclosure	Carbon Steel	LS ELECTRIC	ENC1-i-G40-044036109	Enclosure 1	1051.6	UUT 4
Enclosure	Carbon Steel	LS ELECTRIC	ENC1-i-E25-030036109	Enclosure 2	887.8	UUT 4

Unit Under Test Summary Sheet: UUT1

UUT Description		
Manufacturer:	LS ELECTRIC	
Product Name:	Switchboard; Power distribution low-voltage switchgear with two circuit breakers	
Model	LSB1-i-M12-262290	LSB1-i-C12-262290
Serial No	USB-UM-48-100-2012	USB-AC-48-100-2012
Date of Mfr.	2024 October	2024 October
Section Amp	2000A	2000A
Main breaker	1200A	--
Through Bus Amp	2000A	2000A
Distribution breaker	--	1200A
Frequency	60 Hz 3 PH	60 Hz 3 PH
Voltage	480 V	480 V
Elec. Char.	1200 A	1200 A
Rating	100 kA @ 480 V	100 kA @ 480 V
Enclosure	NEMA 1 (Indoor) Carbon steel	NEMA 1 (Indoor) Carbon steel



UUT Properties							
Weight and dimensions				Lowest natural frequencies, Hz			
Weigh, lbs	Width, in.	Depth, in.	Height, in.		X-	Y-	Z-
1,520 (=765+755)	52 (=26+26)	22	90	Floor mounted	15.3	10.0	N/A

UUT Test Information	
Test Facility	Pacific Earthquake Engineering Research (PEER) Center
Test date	2024 December 10
Test Report Number	PEER /STI 2024-16

Seismic Certification Test Parameters										
Building Code	Test criteria	S_{DS} , g	Z/h	Hf	R_u	I_p	Horizontal		Vertical	
							A_{FLX} , g	A_{RIG} , g	A_{FLX} , g	A_{RIG} , g
CBC 2025	ICC-ES AC156-24	1.60	1	3.5	1.3	1.5	2.56	1.73	N/A	N/A
		2.56	0	1.0	1.0		N/A	N/A	1.71	0.68

UUT1 was floor mounted using eight (8) 3/4-in. Grade 5 bolts

UUT1 was full of content during the seismic tests. It maintained structural integrity and functionality before and after the seismic certification testing.



Exterior of UUT1



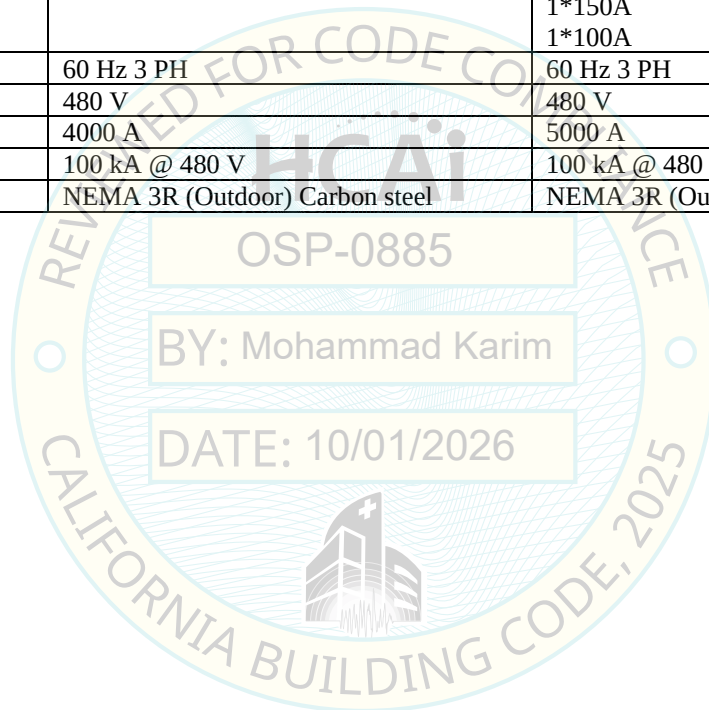
Interior of UUT1

Unit Under Test Component Summary Sheet: UUT1

Component Summary				
Subcomponents	Manufacturer	Part No.	Material	Weight, lbs
Switch	Yong Sung Electric Co	YS-C3205-4/RSB	Carbon Steel/Plastic	0.13
Red LED	Yong Sung Electric Co	YSBPL2-AL12R	Plastic	0.03
Green LED	Yong Sung Electric Co	YSBPL2-AL12G	Plastic	0.03
RRS Connector	Wieland	70.310.1602.0	Carbon Steel/Copper/Plastic	0.33
RRS Connector	Wieland	70.300.1602.0	Carbon Steel/Copper/Plastic	0.33
Current Transformers	Woonyoung Co	77123466203	Carbon Steel/Copper/Plastic	0.77
Current Transformers	Woonyoung Co	77123466206	Carbon Steel/Copper/Plastic	0.77
Current Transformers	Woonyoung Co	77123467210	Carbon Steel/Copper/Plastic	1.10
Current Transformers	Woonyoung Co	77123468205	Carbon Steel/Copper/Plastic	1.43
Current Transformers	Woonyoung Co	77123468207	Carbon Steel/Copper/Plastic	1.54
HANDLE	HYUNDAI HANDLE	HD-D-100	Carbon Steel	0.22
Insulator	HURID	EPOXY PIPE	Epoxy	0.11
Insulator	HURID	EPOXY PIPE	Epoxy	0.15
Insulator	MAR-BAL	R2137-S4	Epoxy/Copper	0.11
Insulator	MAR-BAL	ISO-MBI-R50	Epoxy/Copper	0.18
Insulator	MAR-BAL	R2137-S3	Epoxy/Copper	0.11
Insulator	WONCHANG	51114189607	Epoxy/Copper	0.02
Insulator	WONCHANG	E-206(IDI)	Epoxy/Copper	0.07
Hinge	BT SOLUTION	HL011-1	Carbon Steel	0.02
ACB	LSE	UAS-12C3-12A	Carbon Steel/Copper/Plastic	77.82
MCCB	LSE	UTS1200L FTU1200 1200A 3P	Carbon Steel/Copper/Plastic	40.34
Relay	LS ELECTRIC	MR-4-22-K7-E	Copper/Plastic	0.03
Enclosure (UUT1-1)	LS ELECTRIC	ENC1-i-M12- 026022090	Base : 6mm SS275 Frame and Interior : 3.2mm Steel Plate Hot Commercial	538.8
Enclosure (UUT1-2)	LS ELECTRIC	ENC1-i-C12- 026022090	Base : 6mm SS275 Frame and Interior : 3.2mm Steel Plate Hot Commercial	538.8

Unit Under Test Summary Sheet: UUT2

UUT Description		
Manufacturer:	LS ELECTRIC	
Product Name:	Switchboard; Power distribution low-voltage switchgear with two circuit breakers	
Model	LSB2-i-G60-467290	LSB1-G-M60-587290
Serial No	USB-AG-48-100-6060	USB-MI-48-100-6060
Date of Mfr.	2024 October	2024 October
Section Amp	6000A	6000A
Main breaker	6000A	--
Through Bus Amp	6000A	6000A
Distribution breaker	--	1*1200A 1*800A 1*600A 1*400A 1*250A 1*150A 1*100A
Frequency	60 Hz 3 PH	60 Hz 3 PH
Voltage	480 V	480 V
Elec. Char.	4000 A	5000 A
Rating	100 kA @ 480 V	100 kA @ 480 V
Enclosure	NEMA 3R (Outdoor) Carbon steel	NEMA 3R (Outdoor) Carbon steel



UUT Properties							
Weight and dimensions				Lowest natural frequencies, Hz			
Weight, lbs	Width, in.	Depth, in.	Height, in.		X-	Y-	Z-
6,935 (=4792+2143)	106 (=46+60)	94	100	Floor mounted	9.6	8.8	N/A

UUT Test Information	
Test Facility	Pacific Earthquake Engineering Research (PEER) Center
Test date	2024 December 10
Test Report Number	PEER /STI 2024-16

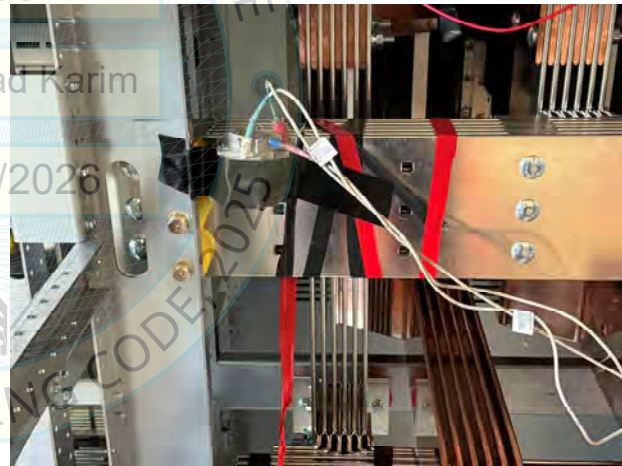
Seismic Certification Test Parameters										
Building Code	Test criteria	S_{DS} , g	Z/h	Hf	R_u	I_p	Horizontal		Vertical	
							A_{FLX} , g	A_{RIG} , g	A_{FLX} , g	A_{RIG} , g
CBC 2025	ICC-ES AC156-24	1.60	1	3.5	1.3	1.5	2.56	1.73	N/A	N/A
		2.56	0	1.0	1.0		N/A	N/A	1.71	0.68

UUT2 was floor mounted using ten (10) 3/4-in. Grade 5 bolts

UUT2 was full of content during the seismic tests. It maintained structural integrity and functionality before and after the seismic certification testing.



Exterior of UUT2



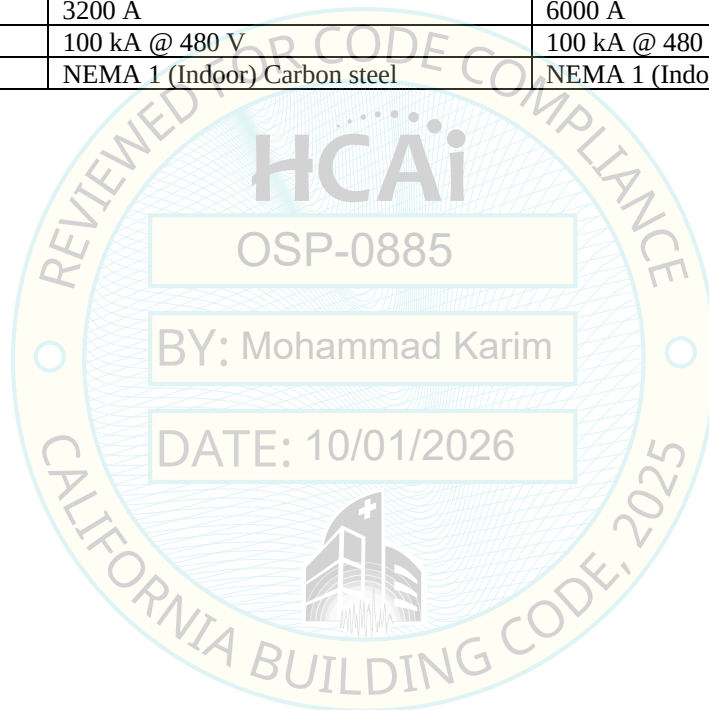
Interior of UUT2

Unit Under Test Component Summary Sheet: UUT2

Component Summary				
Subcomponents	Manufacturer	Part No.	Material	Weight, lbs
Switch	Yong Sung Electric Co	YS-C3205-4/RSB	Carbon Steel/Plastic	0.13
Red LED	Yong Sung Electric Co	YSBPL2-AL12R	Plastic	0.03
Green LED	Yong Sung Electric Co	YSBPL2-AL12G	Plastic	0.03
RRS Connector	Wieland	70.310.1602.0	Carbon Steel/Copper/Plastic	0.33
RRS Connector	Wieland	70.300.1602.0	Carbon Steel/Copper/Plastic	0.33
Current Transformers	Woonyoung Co	77123466203	Carbon Steel/Copper/Plastic	0.77
Current Transformers	Woonyoung Co	77123466206	Carbon Steel/Copper/Plastic	0.77
Current Transformers	Woonyoung Co	77123467210	Carbon Steel/Copper/Plastic	1.10
Current Transformers	Woonyoung Co	77123468205	Carbon Steel/Copper/Plastic	1.43
Current Transformers	Woonyoung Co	77123468207	Carbon Steel/Copper/Plastic	1.54
HANDLE	HYUNDAI HANDLE	HD-D-100	Carbon Steel	0.22
Insulator	HURID	EPOXY PIPE	Epoxy	0.11
Insulator	HURID	EPOXY PIPE	Epoxy	0.15
Insulator	MAR-BAL	R2137-S4	Epoxy/Copper	0.11
Insulator	MAR-BAL	ISO-MBI-R50	Epoxy/Copper	0.18
Insulator	MAR-BAL	R2137-S3	Epoxy/Copper	0.11
Insulator	WONCHANG	51114189607	Epoxy/Copper	0.02
Insulator	WONCHANG	E-206(IDI)	Epoxy/Copper	0.07
Hinge	BT SOLUTION	HL011-1	Carbon Steel	0.02
ACB	LSE	UAS-60G3-60A	Carbon Steel/Copper/Plastic	213.85
ACB	LSE	UAL-S60EG-AVFS	Carbon Steel/Copper/Plastic	275.58
MCCB	LSE	UTE100L FTU100 100A 3P	Carbon Steel/Copper/Plastic	2.43
Relay	LS ELECTRIC	MR8-53-K7-E	Copper/Plastic	0.03
Relay	LS ELECTRIC	BK63HU	Copper/Plastic	0.07
Enclosure (UUT2-1)	LS ELECTRIC	ENC2-i-G60- 046072090	Base : 6mm SS275 Frame and Interior : 3.2mm Steel Plate Hot Commercial	1230.4
Enclosure (UUT2-2)	LS ELECTRIC	ENC1-G-M60- 058072090	Base : 6mm SS275 Frame and Interior : 3.2mm Steel Plate Hot Commercial	1103.0

Unit Under Test Summary Sheet: UUT3

UUT Description		
Manufacturer:	LS ELECTRIC	
Product Name:	Switchboard; Power distribution low-voltage switchgear with two circuit breakers	
Model	LSB2-i-E32-326090	LSB2-i-D12-326290 LSB2-i-D16-326290
Serial No	USB-AE-48-100-3232	USB-AD-48-100-6060
Date of Mfr.	2024 October	2024 October
Section Amp	3200A	6000A
Main breaker	3200A	--
Through Bus Amp	3200A	6000A
Distribution breaker	--	2*1600 2*800
Frequency	60 Hz 3 PH	60 Hz 3 PH
Voltage	480 V	480 V
Elec. Char.	3200 A	6000 A
Rating	100 kA @ 480 V	100 kA @ 480 V
Enclosure	NEMA 1 (Indoor) Carbon steel	NEMA 1 (Indoor) Carbon steel



UUT Properties							
Weight and dimensions				Lowest natural frequencies, Hz			
Weigh, lbs	Width, in.	Depth, in.	Height, in.		X-	Y-	Z-
4,288 (=1900+2388)	64 (=32+32)	60	90	Floor mounted	9.2	11.9	N/A

UUT Test Information	
Test Facility	Pacific Earthquake Engineering Research (PEER) Center
Test date	2024 December 10
Test Report Number	PEER /STI 2024-16

Seismic Certification Test Parameters										
Building Code	Test criteria	S_{DS} , g	Z/h	Hf	R_u	I_p	Horizontal		Vertical	
							A_{FLX} , g	A_{RIG} , g	A_{FLX} , g	A_{RIG} , g
CBC 2025	ICC-ES AC156-24	1.60	1	3.5	1.3	1.5	2.56	1.73	N/A	N/A
		2.56	0	1.0	1.0		N/A	N/A	1.71	0.68

UUT3 was floor mounted using eight (8) 3/4-in. Grade 5 bolts

UUT3 was full of content during the seismic tests. It maintained structural integrity and functionality before and after the seismic certification testing.



Exterior of UUT3



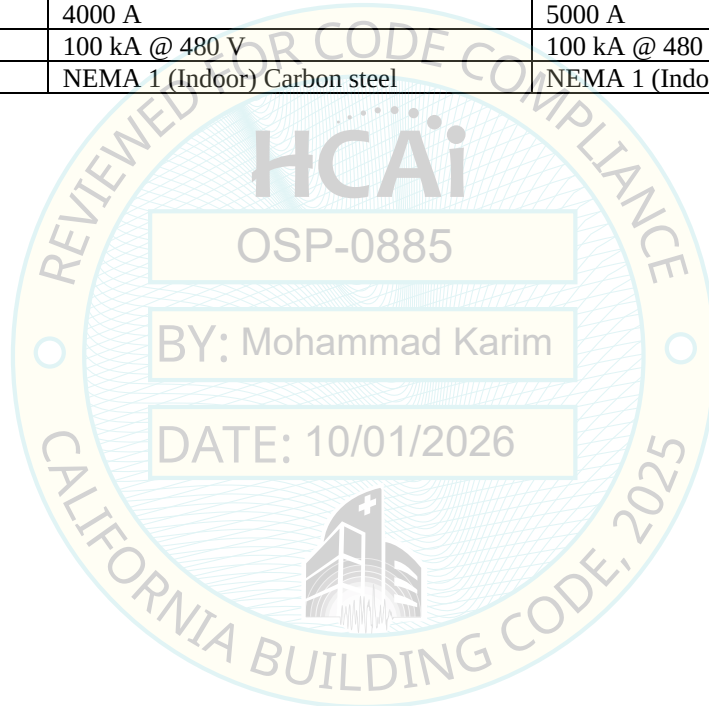
Interior of UUT3

Unit Under Test Component Summary Sheet: UUT3

Component Summary				
Subcomponents	Manufacturer	Part No.	Material	Weight, lbs
Switch	Yong Sung Electric Co	YS-C3205-4/RSB	Carbon Steel/Plastic	0.13
Red LED	Yong Sung Electric Co	YSBPL2-AL12R	Plastic	0.03
Green LED	Yong Sung Electric Co	YSBPL2-AL12G	Plastic	0.03
RRS Connector	Wieland	70.310.1602.0	Carbon Steel/Copper/Plastic	0.33
RRS Connector	Wieland	70.300.1602.0	Carbon Steel/Copper/Plastic	0.33
Current Transformers	Woonyoung Co	77123466203	Carbon Steel/Copper/Plastic	0.77
Current Transformers	Woonyoung Co	77123466206	Carbon Steel/Copper/Plastic	0.77
Current Transformers	Woonyoung Co	77123467210	Carbon Steel/Copper/Plastic	1.10
Current Transformers	Woonyoung Co	77123468205	Carbon Steel/Copper/Plastic	1.43
Current Transformers	Woonyoung Co	77123468207	Carbon Steel/Copper/Plastic	1.54
HANDLE	HYUNDAI HANDLE	HD-D-100	Carbon Steel	0.22
Insulator	HURID	EPOXY PIPE	Epoxy	0.11
Insulator	HURID	EPOXY PIPE	Epoxy	0.15
Insulator	MAR-BAL	R2137-S4	Epoxy/Copper	0.11
Insulator	MAR-BAL	ISO-MBI-R50	Epoxy/Copper	0.18
Insulator	MAR-BAL	R2137-S3	Epoxy/Copper	0.11
Insulator	WONCHANG	51114189607	Epoxy/Copper	0.02
Insulator	WONCHANG	E-206(IDI)	Epoxy/Copper	0.07
Hinge	BT SOLUTION	HL011-1	Carbon Steel	0.02
ACB	LSE	UAS-32E3-32A	Carbon Steel/Copper/Plastic	121.25
ACB	LSE	UAL-S32E3-AVFS	Carbon Steel/Copper/Plastic	205.03
ACB	LSE	UAS-08D3-08A	Carbon Steel/Copper/Plastic	70.55
ACB	LSE	UAS-16D3-16A	Carbon Steel/Copper/Plastic	70.55
Relay	LS ELECTRIC	MR8-44-K7-E	Copper/Plastic	0.03
Enclosure (UUT3-1)	LS ELECTRIC	ENC2-i-E32-032060090	Base : 6mm SS275 Frame and Interior : 3.2mm Steel Plate Hot Commercial	926.6
Enclosure (UUT3-2)	LS ELECTRIC	ENC2-i-D12-032062090	Base : 6mm SS275 Frame and Interior : 3.2mm Steel Plate Hot Commercial	848.6
		ENC2-i-D16-032062090	Base : 6mm SS275 Frame and Interior : 3.2mm Steel Plate Hot Commercial	866.9

Unit Under Test Summary Sheet: UUT4

UUT Description		
Manufacturer:	LS ELECTRIC	
Product Name:	Switchboard; Power distribution low-voltage switchgear with two circuit breakers	
Model	LSB1-i-G40-4436109	LSB1-i-E25-3036109
Serial No	USB-AG-48-100-4040	USB-AE-48-100-5050
Date of Mfr.	2024 October	2024 October
Section Amp	4000A	5000A
Main breaker	4000A	--
Through Bus Amp	4000A	5000A
Distribution breaker	--	2*2500A
Frequency	60 Hz 3 PH	60 Hz 3 PH
Voltage	480 V	480 V
Elec. Char.	4000 A	5000 A
Rating	100 kA @ 480 V	100 kA @ 480 V
Enclosure	NEMA 1 (Indoor) Carbon steel	NEMA 1 (Indoor) Carbon steel



UUT Properties							
Weight and dimensions				Lowest natural frequencies, Hz			
Weigh, lbs	Width, in.	Depth, in.	Height, in.		X-	Y-	Z-
3,693 (=2308+1385)	74 (=44+30)	36	109	Floor mounted	6.6	9.6	N/A

UUT Test Information	
Test Facility	Pacific Earthquake Engineering Research (PEER) Center
Test date	2024 December 06
Test Report Number	PEER /STI 2024-16

Seismic Certification Test Parameters										
Building Code	Test criteria	S_{DS}, g	Z/h	Hf	R_u	I_p	Horizontal		Vertical	
							A_{FLX}, g	A_{RIG}, g	A_{FLX}, g	A_{RIG}, g
CBC 2025	ICC-ES AC156-24	1.60	1	3.5	1.3	1.5	2.56	1.73	N/A	N/A
		2.56	0	1.0	1.0		N/A	N/A	1.71	0.68

UUT4 was floor mounted using eight (8) 3/4-in. Grade 5 bolts

UUT4 was full of content during the seismic tests. It maintained structural integrity and functionality before and after the seismic certification testing.



Exterior of UUT4



Interior of UUT4

Unit Under Test Component Summary Sheet: UUT4

Component Summary				
Subcomponents	Manufacturer	Part No.	Material	Weight, lbs
Switch	Yong Sung Electric Co	YS-C3205-4/RSB	Carbon Steel/Plastic	0.13
Red LED	Yong Sung Electric Co	YSBPL2-AL12R	Plastic	0.03
Green LED	Yong Sung Electric Co	YSBPL2-AL12G	Plastic	0.03
RRS Connector	Wieland	70.310.1602.0	Carbon Steel/Copper/Plastic	0.33
RRS Connector	Wieland	70.300.1602.0	Carbon Steel/Copper/Plastic	0.33
Current Transformers	Woonyoung Co	77123466203	Carbon Steel/Copper/Plastic	0.77
Current Transformers	Woonyoung Co	77123466206	Carbon Steel/Copper/Plastic	0.77
Current Transformers	Woonyoung Co	77123467210	Carbon Steel/Copper/Plastic	1.10
Current Transformers	Woonyoung Co	77123468205	Carbon Steel/Copper/Plastic	1.43
Current Transformers	Woonyoung Co	77123468207	Carbon Steel/Copper/Plastic	1.54
HANDLE	HYUNDAI HANDLE	HD-D-100	Carbon Steel	0.22
Insulator	HURID	EPOXY PIPE	Epoxy	0.11
Insulator	HURID	EPOXY PIPE	Epoxy	0.15
Insulator	MAR-BAL	R2137-S4	Epoxy/Copper	0.11
Insulator	MAR-BAL	ISO-MBI-R50	Epoxy/Copper	0.18
Insulator	MAR-BAL	R2137-S3	Epoxy/Copper	0.11
Insulator	WONCHANG	51114189607	Epoxy/Copper	0.02
Insulator	WONCHANG	E-206(IDI)	Epoxy/Copper	0.07
Hinge	BT SOLUTION	HL011-1	Carbon Steel	0.02
ACB	LSE	UAS-40G3-40A	Carbon Steel/Copper/Plastic	279.99
ACB	LSE	UAH-25E3-25A	Carbon Steel/Copper/Plastic	121.25
ACB	LSE	UAL-S20E3-AVFS	Carbon Steel/Copper/Plastic	121.25
Relay	LS ELECTRIC	MR8-44-K7-E	Copper/Plastic	0.03
Enclosure (UUT4-1)	LS ELECTRIC	ENC1-i-G40-044036109	Base : 6mm SS275 Frame and Interior : 3.2mm Steel Plate Hot Commercial	1051.6
Enclosure (UUT4-2)	LS ELECTRIC	ENC1-i-E25-030036109	Base : 6mm SS275 Frame and Interior : 3.2mm Steel Plate Hot Commercial	887.8