



Type Approval Certificate Extension

This is to certify that Certificate No. 99/60001(E3) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Eaton Corporation, 1000 Cherrington Parkway, Moon Township, PA 15108, USA	
PLACE OF PRODUCTION	Eaton Electrical 1 Tuscarawas Road Beaver, PA 15009, USA	Cutler Hammer S. A. Parque Industrial Itabo Apartado 8229 Haina Distrito Nacional Dominican Republic
DESCRIPTION	Molded Case Circuit Breakers	
TYPE	Series 'C' Type G, F, J, K, L, M, N, R Frames Series 'G' Type E, J, L, N, R Frames	
APPLICATION	Marine, industrial and offshore applications	
STANDARD	UL489, IEC60947-2	

Certificate No.	99/60001(E4)
Issue Date	01 October 2014
Expiry Date	27 May 2019
Sheet	1 of 11

Hubert Palej
Toronto Technical Support Office

Lloyd's Register Canada Limited
5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada

Lloyd's Register Canada Limited
Is a subsidiary of Lloyd's Register Group



RATINGS

Series C, Alternating Current, UL489

Type	Current Rating at 40°C (A)	Rated Voltage (V)	Breaking Current (RMS Sym.) (kA)	Making Current (Peak Asym) (kA)	Power Factor	See Notes
GD	15-100	480	22	48	0.2	3, 10
GDB	15-100	480	14	28	0.3	3, 10
GHB/GHC	15-100	120	65	143	0.2	1, 10
	"	277	14	28	0.3	1, 10
	"	240	65	143	0.2	3, 10
	"	480Y/277	14	28	0.3	3, 10
ED	100-225	240	65	143	0.2	3, 10
EDH	100-225	240	100	220	0.2	3, 10
EDC	100-225	240	200	440	0.2	3, 10
EHD	15-100	277	14	28	0.3	1, 10
	"	240	18	36	0.3	3, 10
	"	480	14	28	0.3	3, 10
FDB	15-150	240	18	36	0.3	4, 10
	"	480	14	28	0.3	4, 10
	"	600	14	28	0.3	4, 10
FD	15-150	277	25	55	0.2	1, 10
	15-225	240	65	143	0.2	4, 10
	"	480	35	77	0.2	4, 10
	"	600	18	36	0.3	4, 10
HFD	15-150	277	65	143	0.2	1, 10
	15-225	240	100	220	0.2	4, 10
	"	480	65	143	0.2	4, 10
	"	600	25	55	0.2	4, 10
FDC	15-225	240	200	440	0.2	4, 10
	"	480	100	220	0.2	4, 10
	"	600	35	77	0.2	4, 10
JDB	70-250	240	65	143	0.2	3, 10
	"	480	35	77	0.2	3, 10
	"	600	18	36	0.3	3, 10
JD	70-250	240	65	143	0.2	4, 10
	"	480	35	77	0.2	4, 10
	"	600	18	36	0.3	4, 10

Certificate No. 99/60001(E4)
 Issue Date 01 October 2014
 Expiry Date 27 May 2019
 Sheet 2 of 11



Hubert Palej
 Toronto Technical Support Office

Lloyd's Register Canada Limited
 5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada

Lloyd's Register Canada Limited
 Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Series C, Alternating Current, UL489 (contd.)

Type	Current Rating at 40°C (A)	Rated Voltage (V)	Breaking Current (RMS Sym.) (kA)	Making Current (Peak Asym.) (kA)	Power Factor	See Notes
HJD	70-250	240	100	220	0.2	4, 10
		480	65	143	0.2	4, 10
		600	25	55	0.2	4, 10
JDC	70-250	240	200	440	0.2	4, 10
		480	100	220	0.2	4, 10
		600	35	77	0.2	4, 10
DK	100-400	240	65	143	0.2	3, 10
KDB	100-400	240	65	143	0.2	4, 10
		480	35	77	0.2	4, 10
		600	25	55	0.2	4, 10
KD	70-400	240	65	143	0.2	4, 10, 11
		480	35	77	0.2	4, 10, 11
		600	25	55	0.2	4, 10, 11
HKD	70-400	240	100	220	0.2	4, 10, 11
		480	65	143	0.2	4, 10, 11
		600	35	77	0.2	4, 10, 11
KDC	70-400	240	200	440	0.2	4, 10, 11
		480	100	220	0.2	4, 10, 11
		600	50	110	0.2	4, 10, 11
LD	125-600	240	65	143	0.2	4, 10, 11
		480	35	77	0.2	4, 10, 11
		600	25	55	0.2	4, 10, 11
LDB	125-600	240	65	143	0.2	3, 10, 11
		480	35	77	0.2	3, 10, 11
		600	25	55	0.2	3, 10, 11
HLD	125-600	240	100	220	0.2	4, 10, 11
		480	65	143	0.2	4, 10, 11
		600	35	77	0.2	4, 10, 11
LDC	125-600	240	200	440	0.2	4, 10, 11
		480	100	220	0.2	4, 10, 11
		600	50	110	0.2	4, 10, 11

Certificate No. 99/60001(E4)
 Issue Date 01 October 2014
 Expiry Date 27 May 2019
 Sheet 3 of 11



Hubert Palej
 Toronto Technical Support Office

Lloyd's Register Canada Limited
 5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada

Lloyd's Register Canada Limited
 Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Series C, Alternating Current, UL489 (contd.)

Type	Current Rating at 40°C (A)	Rated Voltage (V)	Breaking Current (RMS Sym.) (kA)	Making Current (Peak Asym.) (kA)	Power Factor	See Notes
MDL	300-800	240	65	143	0.2	3, 10, 11
	"	480	50	110	0.2	3, 10, 11
	"	600	25	55	0.2	3, 10, 11
MDLB	300-800	240	65	143	0.2	3, 10, 11
	"	480	50	110	0.2	3, 10, 11
	"	600	25	55	0.2	3, 10, 11
HMDL	300-800	240	100	220	0.2	3, 10, 11
	"	480	65	142	0.2	3, 10, 11
	"	600	35	77	0.2	3, 10, 11
HMDLB	300-800	240	100	220	0.2	3, 10, 11
	"	480	65	142	0.2	3, 10, 11
	"	600	35	77	0.2	3, 10, 11
ND	400-1200	240	65	143	0.2	4, 11
	"	480	50	110	0.2	4, 11
	"	600	25	55	0.2	4, 11
HND	400-1200	240	100	220	0.2	4, 11
	"	480	65	143	0.2	4, 11
	"	600	35	77	0.2	4, 11
NDC	400-1200	240	200	440	0.2	4, 11
	"	480	100	220	0.2	4, 11
	"	600	50	110	0.2	4, 11
RD 1600A	800-1600	240	125	275	0.2	5, 11
	"	480	65	143	0.2	5, 11
	"	600	50	110	0.2	5, 11
RD 2000A	1000-2000	240	125	275	0.2	5, 11
	"	480	65	143	0.2	5, 11
	"	600	50	110	0.2	5, 11
RD 2500A	1200-2500	240	125	275	0.2	5, 11
	"	480	65	143	0.2	5, 11
	"	600	50	110	0.2	5, 11

Certificate No. 99/60001(E4)
 Issue Date 01 October 2014
 Expiry Date 27 May 2019
 Sheet 4 of 11



Hubert Palej
 Toronto Technical Support Office

Lloyd's Register Canada Limited
 5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada

Lloyd's Register Canada Limited
 Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Series C, Alternating Current, UL489 (contd.)

Type	Current Rating at 40°C (A)	Rated Voltage (V)	Breaking Current (RMS Sym.) (kA)	Making Current (Peak Asym.) (kA)	Power Factor	See Notes
RDC 1600A	800-1600	240	200	440	0.2	5, 11
	"	480	100	220	0.2	5, 11
	"	600	65	143	0.2	5, 11
RDC 2000A	1000-2000	240	200	440	0.2	5, 11
	"	480	100	220	0.2	5, 11
	"	600	65	143	0.2	5, 11
RDC 2500A	1200-2500	240	200	440	0.2	5, 11
	"	480	100	220	0.2	5, 11
	"	600	65	143	0.2	5, 11

Series G, Alternating Current, UL489

Type	Current Rating at 40°C (A)	Rated Voltage (V)	Breaking Current (RMS Sym.) (kA)	Making Current (Peak Asym.) (kA)	Power Factor	See Notes
E125B	15-125	240	25	55	0.2	1, 4, 10
	"	277	18	36	0.3	1, 10
	"	480	18	36	0.3	4, 10
E125E	15-125	240	35	77	0.2	4, 10
	"	480	25	55	0.2	4, 10
	"	600Y/347	18	36	0.3	4, 10
E125S	15-125	240	85	187	0.2	1, 4, 10
	"	277	35	77	0.2	1, 10
	"	347	22	48	0.2	1, 10
	"	480	35	77	0.2	4, 10
	"	600Y/347	22	48	0.2	4, 10
E125H	15-125	240	100	220	0.2	1, 4, 10
	"	277	65	143	0.2	1, 10
	"	347	30	66	0.2	1, 10
	"	480	65	143	0.2	4, 10
	"	600Y/347	25	55	0.2	4, 10
J250E	20-250	240	65	143	0.2	4, 10, 11
	"	480	25	55	0.2	4, 10, 11
	"	600	18	36	0.3	4, 10, 11

Certificate No. 99/60001(E4)
 Issue Date 01 October 2014
 Expiry Date 27 May 2019
 Sheet 5 of 11



Hubert Palej
 Toronto Technical Support Office

Lloyd's Register Canada Limited
 5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada

Lloyd's Register Canada Limited
 is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Series G, Alternating Current, UL489 (contd.)

Type	Current Rating at 40°C (A)	Rated Voltage (V)	Breaking Current (RMS Sym.) (kA)	Making Current (Peak Asym) (kA)	Power Factor	See Notes
J250S	20-250	240	85	187	0.2	4, 10, 11
	"	480	38	77	0.2	4, 10, 11
	"	600	18	36	0.3	4, 10, 11
J250H	20-250	240	100	220	0.2	4, 10, 11
	"	480	65	143	0.2	4, 10, 11
	"	600	25	55	0.2	4, 10, 11
L630E	250-600	240	65	143	0.2	5, 10, 11
	"	480	35	77	0.2	5, 10, 11
	"	600	18	36	0.3	5, 10, 11
L630S	250-600	240	85	187	0.2	5, 10, 11
	"	480	50	110	0.2	5, 10, 11
	"	600	25	55	0.2	5, 10, 11
L630H	250-600	240	100	220	0.2	5, 10, 11
	"	480	65	143	0.2	5, 10, 11
	"	600	35	77	0.2	5, 10, 11
NGS	400-1200	240	65	143	0.2	4, 11
	"	480	50	110	0.2	4, 11
	"	600	25	55	0.2	4, 11
NGH	400-1200	240	100	220	0.2	4, 11
	"	480	65	145	0.2	4, 11
	"	600	35	77	0.2	4, 11
NGC	400-1200	240	200	440	0.2	4, 11
	"	480	100	220	0.2	4, 11
	"	600	50	110	0.2	4, 11
RGH	800-2500	240	125	275	0.2	5, 11
	"	480	65	143	0.2	5, 11
	"	600	50	110	0.2	5, 11
RGC	800-2500	240	200	440	0.2	5, 11
	"	480	100	220	0.2	5, 11
	"	600	65	143	0.2	5, 11

Certificate No. 99/60001(E4)
 Issue Date 01 October 2014
 Expiry Date 27 May 2019
 Sheet 6 of 11


 Hubert Palej
 Toronto Technical Support Office

Lloyd's Register Canada Limited
 5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada

Lloyd's Register Canada Limited
 Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Series G, Alternating Current, UL489 (contd.)

JGMPS	50-250	240	85	187	0.2	2, 11
	"	480	35	77	0.2	2, 11
	"	600	18	36	0.3	2, 11
JGMPH	50-250	240	100	220	0.2	2, 11
	"	480	65	143	0.2	2, 11
	"	600	25	55	0.2	2, 11
LGMP5	250-600	240	85	187	0.2	2, 11
	"	480	50	110	0.2	2, 11
	"	600	25	55	0.2	2, 11
LGMPH	250-600	240	100	220	0.2	2, 11
	"	480	65	143	0.2	2, 11
	"	600	35	77	0.2	2, 11

Series C, Alternating Current, IEC60947-2

Type	Current Rating at 40°C (A)	Rated Voltage (V)	Breaking Current (RMS Sym.) (kA)		Making Current (Peak Asym) (kA)	Power Factor	See Notes
			Icu	Ics			
FW	16-160	240	40	40	88	0.2	1,10
FW (fixed & adj. trip)	16-225	240	85	85	176	0.2	4, 10
	"	415	40	40	88	0.2	4, 10
	"	690	12	6	24	0.3	3, 10
HFW (fixed & adj. trip)	16-225	240	100	100	220	0.2	4, 10
	"	415	70	70	154	0.2	4, 10
	"	690	14	7	28	0.3	4, 10
KW	125-400	240	85	85	187	0.2	5, 10
	"	415	45	45	99	0.2	5, 10
	"	690	20	10	40	0.3	5, 10
HKW	125-400	240	100	100	220	0.2	5, 10, 11
	"	415	70	70	154	0.2	5, 10, 11
	"	690	25	13	55	0.2	5, 10, 11
HNW	400-1250	240	100	100	220	0.2	5, 10, 11
	"	415	70	50	154	0.2	5, 10, 11
	"	690	25	13	55	0.2	5, 10, 11

Certificate No. 99/60001(E4)
 Issue Date 01 October 2014
 Expiry Date 27 May 2019
 Sheet 7 of 11


 Hubert Palej
 Toronto Technical Support Office

Lloyd's Register Canada Limited
 5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada

Lloyd's Register Canada Limited
 Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Series C, Alternating Current, IEC60947-2 (contd.)

NW	400-1250	240	85	85	187	0.2	5, 10, 11
	"	415	50	50	110	0.2	5, 10, 11
	"	690	20	10	40	0.2	5, 10, 11
RW	800-2500	240	135	102	297	0.2	5, 11
	"	415	70	53	154	0.2	5, 11
	"	690	25	18	55	0.2	5, 11

Series G, Alternating Current, IEC60947-2

Type	Current Rating at 40°C (A)	Rated Voltage (V)	Breaking Current (RMS Sym.) (kA)		Making Current (Peak Asym) (kA)	Power Factor	See Notes
			Icu	Ics			
E125B	16-125	240	35	25	55	0.2	5, 10
	"	415	18	18	36	0.3	5, 10
E125E	16-125	240	35	35	77	0.2	5, 10
	"	415	25	25	55	0.2	5, 10
E125S	16-125	240	85	43	187	0.2	5, 10
	"	415	40	30	88	0.2	5, 10
E125H	16-125	240	100	50	220	0.2	5, 10
	"	415	70	35	154	0.2	5, 10
J250E	63-250	240	65	65	143	0.2	5, 10, 11
	"	415	25	25	58	0.2	5, 10, 11
J250S	63-250	240	85	85	187	0.2	5, 10, 11
	"	415	40	40	88	0.2	5, 10, 11
J250H	63-250	240	100	100	220	0.2	5, 10, 11
	"	415	70	70	154	0.2	5, 10, 11
NGS	400-1250	240	85	85	187	0.2	5, 10, 11
	"	415	50	50	110	0.2	5, 10, 11
	"	690	20	10	40	0.2	5, 10, 11
NGH	400-1250	240	100	100	220	0.2	5, 10, 11
	"	415	70	50	154	0.2	5, 10, 11
	"	690	25	13	55	0.2	5, 10, 11
RGH	800-2500	240	135	102	297	0.2	5, 11
	"	415	70	53	154	0.2	5, 11
	"	690	25	18	55	0.2	5, 11

Certificate No. 99/60001(E4)
 Issue Date 01 October 2014
 Expiry Date 27 May 2019
 Sheet 8 of 11



Hubert Palej
 Toronto Technical Support Office

Lloyd's Register Canada Limited
 5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada

Lloyd's Register Canada Limited
 Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Series G, Alternating Current, IEC60947-2 (contd.)

L630E	250-630 "	240 415	65 35	65 35	143 77	0.2 0.2	5, 10, 11 5, 10, 11
L630S	250-630 "	240 415	85 50	85 50	187 110	0.2 0.2	5, 10, 11 5, 10, 11

Series C, Direct Current, UL489

Type	Current Rating at 40°C (A)	Rated Voltage (V)	Breaking Current (kA)	Time Constant (ms)	See Notes
GD	15-50	125/250	10	3	6, 10
GDB	15-50	125/250	10	3	6, 10
GHB/GHC	15-100	125/250	14	8	6, 10
EHD	15-100	125	10	3	1, 10
	"	250	10	3	6, 10
FDB	15-150	250	10	3	6, 10
FD	15-150	125	10	3	1, 10
	15-225	250	10	3	6, 10
HFD	15-150	125	10	3	1, 10
	15-225	250	22	8	6, 10
FDC	15-225	250	22	8	6, 10
HFD-DC	15-150	600	35	8	7, 10
	"	250	42	8	6, 10
	"	125	42	8	1, 10
JDB	70-250	250	10	3	6, 10
JD	70-250	250	10	3	6, 10
HJD	70-250	250	22	8	6, 10
JDC	70-250	250	22	8	6, 10
HJD-DC	70-250	600	35	8	7, 10
	"	250	42	8	6, 10
DK	100-400	250	10	3	6, 10
KDB	100-400	250	10	3	6, 10
KD	100-400	250	10	3	6, 10
HKD	100-400	250	22	8	6, 10
KDC	100-400	250	22	8	6, 10

Certificate No. 99/60001(E4)
 Issue Date 01 October 2014
 Expiry Date 27 May 2019
 Sheet 9 of 11


 Hubert Palej
 Toronto Technical Support Office

Lloyd's Register Canada Limited
 5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada

Lloyd's Register Canada Limited
 Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Series C, Direct Current, UL489 (contd.)

Type	Current Rating at 40°C (A)	Rated Voltage (V)	Breaking Current (kA)	Time Constant (ms)	See Notes
HKD-DC	100-400	600	35	8	7, 10
	"	250	42	8	6, 10
LD	300-600	250	22	8	6, 10
LDB	300-600	250	22	8	6, 10
HLD	300-600	250	25	8	6, 10
HLD-DC	300-600	600	35	8	7, 10
	"	250	42	8	6, 10
LDC	300-600	250	30	8	6, 10
MDL	300-800	250	22	8	6, 10
MDLB	300-800	250	22	8	6, 10
HMDL	300-800	250	25	8	6, 10
HMDLB	300-800	250	25	8	6, 10
HMDL-DC	300-800	600	35	8	7, 10
	"	250	42	8	6, 10
	"	125	42	8	1, 10

Series G, Direct Current, UL489

Type	Current Rating at 40°C (A)	Rated Voltage (V)	Breaking Current (kA)	Time Constant (ms)	See Notes
E125B	15-125	125	10	3	1, 10
		250	10	3	6, 10
E125E	15-125	250	10	3	6, 10
		125	35	8	1, 10
E125S	15-125	250	35	8	6, 10
		125	35	8	6, 10
E125H	15-125	125	42	8	1, 10
		250	42	8	6, 10
J250E	70-250	250	10	3	6, 10
J250S	70-250	250	22	8	6, 10
J250H	70-250	250	22	8	6, 10
L630E	250-600	250	22	8	6, 10
		600	22	8	7, 10
L630S	250-600	250	22	8	6, 10
		600	22	8	7, 10

Certificate No. 99/60001(E4)
 Issue Date 01 October 2014
 Expiry Date 27 May 2019
 Sheet 10 of 11



Hubert Palej
 Toronto Technical Support Office

Lloyd's Register Canada Limited
 5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada

Lloyd's Register Canada Limited
 Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Series G, Direct Current, UL489 (contd.)

L630H	250-600	250	42	8	6, 10
		600	35	8	7, 10

Series G, Direct Current, IEC60947-2

Type	Current Rating at 40°C (A)	Rated Voltage (V)	Breaking Current (kA)	Time Constant (ms)	See Notes
E125B	16-125	250	10	3	6, 10
E125E	16-125	250	10	3	6, 10
E125S	16-125	250	35	8	6, 10
E125H	16-125	250	42	8	6, 10

Notes:

- | | |
|-----------------------|-----------------------------|
| 1. 1 pole. | 7. 3 poles in series. |
| 2. 3 pole. | 8. 2, 3 poles in series. |
| 3. 2, 3 pole. | 9. 2, 3, 4 poles in series. |
| 4. 2, 3, 4 pole. | 10. Thermal-magnetic trip. |
| 5. 3, 4 pole. | 11. Electronic trip. |
| 6. 2 poles in series. | |

OTHER CONDITIONS

Available as brand names: Eaton, Cutler-Hammer, MEM, BILL.

Selection for prospective short circuit current for compliance with LR Rules must use Ics value (IEC60947-2 circuit breakers only).

Installation of this equipment for marine applications is to be in accordance with current Lloyd's Register Rules and Regulations.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Canada Limited of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. 99/60001(E4) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 99/60001(E3) to which this extension should be attached.

Certificate No.	99/60001(E4)
Issue Date	01 October 2014
Expiry Date	27 May 2019
Sheet	11 of 11



Hubert Palej
Toronto Technical Support Office

Lloyd's Register Canada Limited
5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada

Lloyd's Register Canada Limited
is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.