



NIPPON KAIJI KYOKAI

Certificate of Type Test

Certificate No.
TA10664M

MANUFACTURER: ABB SACE SPA, Italy
 PRODUCT: Low Voltage Circuit Breaker
 TYPE NO.: Emax E3H / E3N / E3S / E3L / E3V
 TYPE TEST NO.: 02T210

PARTICULARS: Rated insulation voltage a.c.1000V
 Rated operational voltage a.c.230,415,440,500,690V
 Rated frequency 50/60Hz
 Rated impulse withstand voltage Uimp. 12kV
 STANDARD IEC 60947-2:2006

NOTE: Other ratings for mentioned above are shown attached sheet.

DOCUMENTATION: LOVAG-Certificate No. IT 97.027 / IT 96.059
 No. IT 96.067 / IT 98.002
 No. IT 05.002 / IT 05.003
 No. IT 05.002
 LOVAG Test Record No. 96.502 / 96.370 / 96.371
 No. 97.446
 ABB SACE L.V. Test Report No. 10334 / 10405 / 10358 / 10353
 No. 10366 / 10351

THIS IS TO CERTIFY that the above mentioned product has been approved by the NIPPON KAIJI KYOKAI in accordance with the Society's type test requirements of electrical equipment and cables.

This certificate is valid until 18 February 2015.

Issued at Tokyo on 20 October 2010.

T. Narisawa
General Manager
Machinery Department

Attached Sheet to Cert. No. TA10664M

RATINGS:

TYPE	Rated Current In (A)	Rated Operational voltage(V)	Rated short-circuit making capacity I _{cm} (kA)	Rated ultimate short-circuit breaking capacity I _{cu} (kA)	Rated service short-circuit breaking capacity I _{cs} (kA)	Rated short-time withstand current I _{cw} (kA)	No. of Poles
E3H	800A	230	220	100	85	75	3P/4P
	1000A	415	220	100	85	75	
	1250A	440	220	100	85	75	
	1600A	500	187	85	85	75	
	2000A	690	187	85	85	75	
	2500A 3200A						
E3N	2500A	230	143	65	65	65	3P
	3200A	415	143	65	65	65	
		440	143	65	65	65	
		500	143	65	65	65	
		690	143	65	65	65	
E3S	1000A	230	187	85	85	75	3P/4P
	1250A	415	187	85	85	75	
	1600A	440	187	85	85	75	
	2000A	500	175	75	75	75	
	2500A	690	175	75	75	75	
	3200A						
E3L	2000A	230	286	130	130	-	3P
	2500A	415	286	130	130	-	
		440	242	110	110	-	
		500	187	85	65	-	
		690	187	85	65	-	
E3V	800A	230	286	130	100	85	3P
	1250A	415	286	130	100	85	
	1600A	440	286	130	100	85	
	2000A	500-525	220	100	85	85	
	2500A	690	220	100	85	85	
	3200A						

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