



NIPPON KAIJI KYOKAI

Certificate of Type Test

Certificate No.

TA10667M

MANUFACTURER: ABB SACE SPA, Italy

PRODUCT: Low Voltage Circuit Breaker

TYPE NO.: Tmax T1B/T1C/T1N

TYPE TEST NO.: 06T217

PARTICULARS:

Rated insulation voltage	a.c.800V
Rated operational voltage	a.c.220,230,380,415,440,500,690V
Rated frequency	50/60Hz
No. of poles	3,4P
Rated current	160A
Rated impulse withstand voltage Uimp.	8kV
STANDARD	IEC 60947-2:2006

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

DOCUMENTATION: LOVAG-Certificate

No. IT 00.053 / IT 00.054 / IT 00.055
No. IT 00.056 / IT 00.057 / IT 00.058
No. IT 00.059 / IT 00.060 / IT 02.046
No. IT 02.047 / IT 02.048

ABB SACE L.V. Test Report LBRP5157

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 13 July 2015.

Issued at Tokyo on 20 October 2010.

T. Narisawa
General Manager
Machinery Department

Attached Sheet to Cert. No. TA10667M

RATINGS:

TYPE	Rated Current In(A)	Rated operational Voltage(V)	Rated short-circuit making capacity Icm (kA)	Rated ultimate short-circuit breaking capacity Icu (kA)	Rated service short-circuit breaking capacity Ics (kA)	Rated short-time withstand current Icw (kA)
T1B	160A	220/230	52.5	25	25	-
		380/415	32	16	16	-
		440	17	10	10	-
		500	13.6	8	8	-
		690	5.9	3	3	-
T1C	160A	220/230	84	40	30	-
		380/415	52.5	25	19	-
		440	30	15	11	-
		500	17	10	8	-
		690	5.9	4	3	-
T1N	160A	220/230	105	50	37.5	-
		380/415	75.6	36	19	-
		440	46.2	22	11	-
		500	30	15	7.5	-
		690	9.2	6	3	-

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