

Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 11 850 - 10 HH
Company ABB SACE S.p.A
Via Baioni 35
24123 Bergamo, ITALY

Product Description Air Circuit Breaker

Type E3H/E 2500
Emax DC

Environmental Category C

Technical Data / Range of Application
Kind of current: DC
Utilization category: B
Rated impulse withstand voltage Uimp: 12 kV
Rated insulation voltage Ui: 1000V
Rated current (40°C) In: 2500A
Short-circuit characteristics: 3 poles two in series

Ue/Vdc	Icm/kA	Icu/kA	Ics/kA	Icw/kA
500	85	65/85*	65	65
750**	50	50	50	50
750	40	40	40	40
1000	40	40	40	40

*Supply from upper side terminals only

** 4 poles two in series

Release system: Electronic trip units SACE PR122/DC-123/DC

Communication port for monitoring purposes only

Test Standard Guidelines for the Performance of Type Approvals (2003)
IEC 60947-2 (2006)

Documents LOVAG Certificate No. IT 09.040, IT 09.058, IT 09.079, IT 09.107
ABB Test Report LBRP 8082/00, LBRP 8567/00, LBRP 8777/00
CESI Test A8031254, ABB Spa Test Report 21714
Intertek Test Report Nb 2005036UDI-002b

Remarks None

Valid until 2015-10-06

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Type Approval Symbol




File No. I.K.01

Hamburg, 2010-10-07

Germanischer Lloyd


Christoph Kutzner


Harald Amberger

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".