Type Approval Certificate

Germanischer Lloyd

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.	**7548709 HH**
Company	**ABB SACE S.p.A.** **Bergamo Plant** **Via Baioni, 35** **24123 Bergamo, Italy**
Product Description	**Air Circuit Breaker**
Type	**X1B, X1N**
Environmental Category	**A**
Technical Data / Range of Application	**Rated current In (40°C) : 800A -1000 A -1250 A -1600 A** **Rated operational voltage Ue: 690 V AC** **Rated insulation voltage Ui : 1000 V** **Rated impulse withstand voltage Uimp : 12 kV** **Rated frequency : 50/60 Hz** **Utilization category: B**

Rated short-circuit capacity :

	X1B performance at : 440 / 690 V	X1N performance at 440 / 690V:
Icm [kA] :	88 / 88	143 / 105
Icu [kA] :	42 / 42	65 / 50
Ics [kA] :	42 / 42	50 / 42
Icw (1sec) [kA]:	42 / 42	42 / 42
IIT [kA]	19 / 19	19 / 19

Release system: SACE PR331P, PR332P Communication port for monitoring purposes only

Test Standard	**Guidelines for the Performance of Type Approvals (2003)** **IEC 60947-2 (2006)**
Documents	**ABB test laboratory test report 706692-1; Intertek E133S2007G1_24a;Intertek E133S2007G1_24aR; Intertek E133S2007G1_24b; Intertek E133S2007G1_24bR; CESI A7027435;CIG 706692; ABB LBRP 8008/00**
Remarks	**None**
Valid until	**2014-11-04**

Type Approval Symbol GL

File No. **I.K.01**

Hamburg, 2009-11-05

Germanischer Lloyd Wolfgang Voß Thomas Hartmann

This certificate is issued on the basis of "Regulations for the Performance of Type Tests, Part 0, Procedure".