



CB TEST CERTIFICATE

Ref. Certificate No.

CH-3383

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

Issued by: Electrosuisse

Product: Short Circuit Current Limiter

Applicant: ABB Schweiz AG, CMC Low Voltage Products Fulachstrasse 150 CH-8201 Schaffhausen Switzerland

Manufacturer: ABB Schweiz AG, CMC Low Voltage Products Fulachstrasse 150 CH-8201 Schaffhausen Switzerland

Factory: ABB Schweiz AG, CMC Low Voltage Products Fulachstrasse 150 CH-8201 Schaffhausen Switzerland

Rating and principal characteristics: U_{max}: 400/690V~, I_e: 32A, 63A, 125A, 3 poles (see appendix 1)

Trade mark (if any): ABB

Model/Type reference: S803-SCL32, S803-SCL63, S803-SCL125

Additional information: TMP Procedure

Sample of product tested to be in conformity with IEC: 60947-2(ed.3)

Test Report Ref. No: 06-IK-0094.01

This CB Test Certificate is issued by the National Certification Body:

Electrosuisse
Luppenstrasse 1, CH-8320 Fehraltorf, Switzerland

electrosuisse 

Signed by: Hans Roschmann



Date of issue: 2006-09-28



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Appendix 1 to CB Test Certificate

Rating and principal characteristics

Principal characteristics

Utilization category.....: A
 Interruption medium: Air
 Design: Moulded case
 Method of controlling the operation mechanism: dependent manual operation
 Suitability for insulation: suitability for insulation
 Provision for maintenance: non maintainable
 Method of installation: fixed (hat rail)
 Degree of protection.....: IP40 (actuating side only), terminals IP00
 Integral fuses (integrally fused circuit-breakers)
 Type and characteristics of SCPD : no
 Switching overvoltages: (when U_{imp} . is declared).....: IV
 Mounting distances.....: Upside/Underside: 27mm, Backside: <1mm
 Circuit-breaker for use on phase-earthed systems.....: no
 Circuit-breaker for use in IT systems: no

Rated and limiting values, main circuit:

- rated operational voltage: U_e max.(V): 400/690VAC
 - rated insulation voltage: U_i (V): 690VAC
 - rated impulse withstand voltage: U_{imp} (kV): 8kV
 - rated current: I_n max.: (A): 32, 63, 125A
 - kind of current: AC
 - conventional free air thermal current: I_{th} (A): 125A
 - current rating for four-pole circuit-breakers: (A).....: 125A
 - number of poles: 3
 - rated frequency: (Hz): 50/60Hz
 - eight-hour duty; uninterrupted duty: I_u (A): uninterrupted duty: 125A

Short circuit current Limiter in combination with ABB Series S803S circuit breakers

rated ultimate short-circuit breaking capacity: I_{cu} (kA).....: 254/440VAC: 32 ... 125A = 100kA
 400/690VAC: 32 ... 125A = 50kA
 rated service short-circuit breaking capacity: I_{cs} (kA).....: 254/440VAC: 32 ... 125A = 100kA
 400/690VAC: 32 ... 125A = 50kA

Hans Roschmann
Product Certification

Fehrltorf, 2006-09-28