



Germanischer Lloyd

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. 43 084 - 02 HH
Company ABB SACE S.p.A
Via Baioni 35
24123 Bergamo, ITALY

Product Description Moulded case circuit breaker

Type T max T2

Environmental Category C

Technical Data / Range of Application
Conventional thermal current Ith (40°C): up to 160A
Rated operational voltage Ue: 690V AC
Rated impulse withstand voltage Uimp: 8kV
Rated insulation voltage Ui: 800V
Utilization category: A

Rated short-circuit making and breaking capacity:

| | N | S | H | L |
|---------------|-----------|------------|-----------|-----------|
| Icu 415/440V: | 36/30kA | 50/45kA | 70/55kA | 85/75kA |
| Ics 415/440V: | 36/30kA | 50/45kA | 70/55kA | 70/56kA |
| Icm415/440V: | 75,6/63kA | 105/94,5kA | 154/121kA | 187/165kA |

Releases: TMD: 1 up to 160A, MF: 1 up to 12,5A, MA: 20 up to 100A,
PR221DS: 10 up to 160A

Derating for plug-in version to be observed.

Test Standard Guidelines for the Performance of Type Tests, Part 1, Edition 2001
IEC 60947-2 (1995) Corrigendum (1997) and Amentment 1 (1997)

Documents Test report : ACAE LOVAG 01.003, 01.002, 01.005, 01.007, 01.009, 01.010
Mariperman 9797 - 9806, ABB SACE 21081, 21085, 20994, LBRP 5157
catalogue 604080/012 en

Remarks None

Valid until 2012-08-30

Page 1 of 1

Type Approval Symbol



File No. I.K.01

Hamburg, 2007-08-30

Germanischer Lloyd

J. Wittburg
Jürgen Wittburg

J. Altmann
Jens Altmann