

Test Documents for Vacuum Circuit-Breaker 3AE5134-2Z "E46" (12 kV, 25 kA, 1250 A)

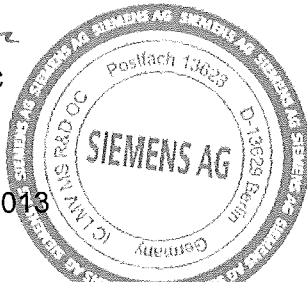
The vacuum circuit-breakers of type 3AE were type tested in accordance with

IEC Publication 62271-1, Edition 1.1, 2011-08,
IEC Publication 62271-100, Edition 2.1, 2012-09 and the relevant harmonisation documents.

For vacuum circuit-breaker 3AE5134-2Z "E46" the following test documents are valid:

Type Tests	Rated Values	Test Documents
Dielectric tests	$U_p = 75 \text{ kV}$ $U_d = 28 \text{ kV}$	12-088-MH
Temperature-rise tests	$I_r = 1250 \text{ A}$	13-003-ME
Mechanical operation test at ambient temperature, Low and high temperature tests	10.000 op. Cycles -5 / +55 °C	13-035-MM
Short-circuit making and breaking tests	$I_{sc} = 25 \text{ kA}$ $I_{ma} = 63 \text{ kA}$	13-007-MS


 Dr. Freundt
 IC LMV MS R&D OC



Berlin, July 01, 2018

Siemens AG
 Infrastructure & Cities Sector; Leitung: Roland Busch
 Low and Medium Voltage Division; Leitung: Ralf Christian
 Medium Voltage & Systems; Leitung: Stephan May

Nonnendammallee 104
 13629 Berlin
 Deutschland

Tel.: +49 (30) 386 0

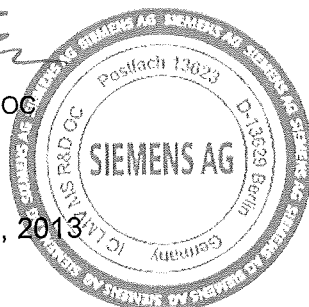
Siemens Aktiengesellschaft: Vorsitzender des Aufsichtsrats: Gerhard Cromme; Vorstand: Peter Löscher, Vorsitzender; Roland Busch, Brigitte Ederer, Klaus Helmrich, Joe Kaeser, Barbara Kux, Hermann Requardt, Siegfried Russwurm, Peter Y. Solmssen, Michael Süß
 Sitz der Gesellschaft: Berlin und München, Deutschland; Registergericht: Berlin Charlottenburg, HRB 12300, München, HRB 6684
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If a test is carried out with a vacuum circuit-breaker with different order number, the validity of the test document is given by the following statements:

The listed test documents for the mentioned vacuum circuit-breaker are valid in respect to familiar design of the vacuum circuit-breakers, as the construction of the main current path and mechanical driving mechanism is nearly identical.

i.v. Freund
Dr. Freund
IC LMV MS R&D OC



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Medium Voltage & Systems; Leitung: Stephan May

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Deutschland

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In addition to the type tests in accordance with IEC 62271-1 and IEC 62271-100 the following tests were carried out:

Type Tests	Test Documents
Single-phase and double earth fault tests	13-007-MS
Capacitive current switching tests: -cable-charging current breaking tests	11K0182-S

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