


Test Documents for Vacuum Circuit-Breaker 3AE1143-2Z "E13" (12 kV, 20 kA, 1250 A)

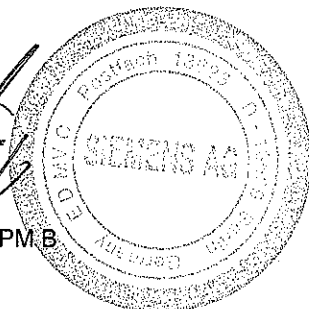
The vacuum circuit-breakers of type 3AE were type tested in accordance with

IEC Publication 62271-1, Edition 1.0, 2007-10,
IEC Publication 62271-100, Edition 2.0, 2008-04 and the relevant harmonisation documents.

For vacuum circuit-breaker 3AE1143-2Z "E13" the following test documents are valid:

Type Tests	Rated Values	Test Documents
Dielectric tests	$U_p = 75 \text{ kV}$ $U_d = 42 \text{ kV}$	08-026-MH/E
Temperature-rise tests	$I_r = 1250 \text{ A}$	08-035-ME/E
Mechanical operation test at ambient temperature, Low and high temperature tests	10.000 op. Cycles -5 / +55 °C	08-064-MM/E
Short-time withstand current and peak withstand current tests	$I_{sc} = 20 \text{ kA/3s}$ $I_{ma} = 50 \text{ kA}$	08-029-MS/E
Short-circuit making and breaking tests	$I_{sc} = 20 \text{ kA}$ $I_{ma} = 50 \text{ kA}$	08-029-MS/E


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Berlin, January 12, 2010

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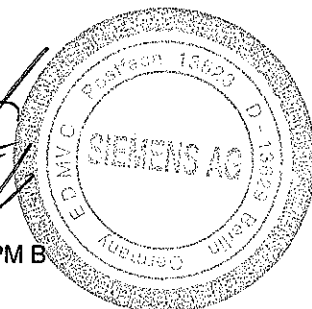
Siemens Aktiengesellschaft: Vorsitzender des Aufsichtsrats: Gerhard Cromme; Vorstand: Peter Löscher, Vorsitzender;
 Wolfgang Dehen, Heinrich Hiesinger, Joe Kaeser, Barbara Kux, Hermann Requardt, Siegfried Russwurm, Peter Y. Solmsen
 Sitz der Gesellschaft: Berlin und München, Deutschland; Registergericht: Berlin Charlottenburg, HRB 12300, München, HRB 6684
 WEEE-Reg.-Nr. DE 23691322

Test Documents
for Vacuum Circuit-Breaker
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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.


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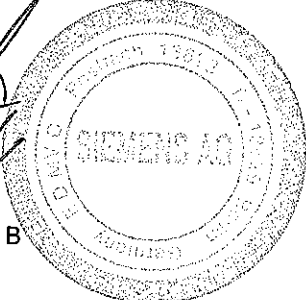
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In addition to the type tests in accordance with IEC 62271-1 and IEC 62271-100 the following tests were carried out:

Type Tests	Test Documents
Single-phase and double earth fault tests	08-029-MS/E
Capacitive current switching tests: -cable-charging current breaking tests -single capacitor bank switching tests	KEMA 356-08
Out-of-phase making and breaking tests	08-029-MS/E


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