

Test Documents for Vacuum Circuit-Breaker 3AE5073-1Z "E16" (7,2 kV, 20 kA, 800 A)

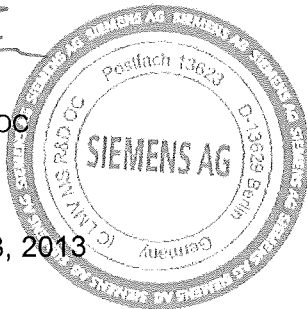
The vacuum circuit-breakers of type 3AE were type tested in accordance with

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 3AE5073-1Z "E16" the following test documents are valid:

Type Tests	Rated Values	Test Documents
Dielectric tests	$U_P = 60 \text{ kV}$ $U_d = 32 \text{ kV}$	13-029-MH
Temperature-rise tests	$I_r = 800 \text{ A}$	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-time withstand current and peak withstand current tests	$I_{sc} = 20 \text{ kA/3s}$ $I_{ma} = 50 \text{ kA}$	12-090-MS
Short-circuit making and breaking tests	$I_{sc} = 20 \text{ kA}$ $I_{ma} = 50 \text{ kA}$	12-089-MS

i.v.R.
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Berlin, June 28, 2013

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WEEE-Reg.-Nr. DE 23691322

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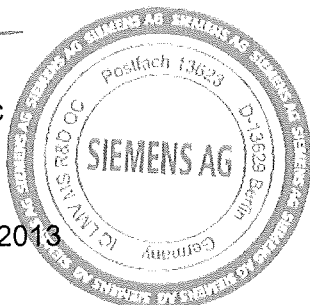
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In addition to the type tests in accordance with IEC 62271-1 and IEC 62271-100 the following tests were carried out:

Type Tests	Test Documents
Single-phase and double earth fault tests	12-089-MS
Capacitive current switching tests: -cable-charging current breaking tests	11K0182-S



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