

Test Documents for Vacuum Circuit-Breaker 3AH4216-6 Z M30 (17.5 kV, 40 kA, 2500 A)

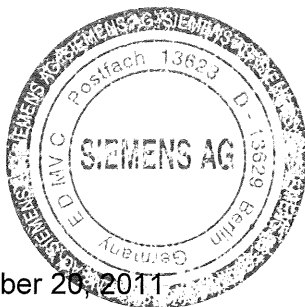
The vacuum circuit-breakers of type 3AH4 were type tested in accordance with

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 3AH4216-6 Z M30 the following test documents are valid:

Type Tests	Rated Values	Test Documents
Dielectric tests	$U_p = 95 \text{ kV}$ $U_d = 38 \text{ kV}$	08-076-MH/E
Temperature-rise tests	$I_r = 2500 \text{ A}$	09-065-ME/E
Mechanical operation test at ambient temperature, Low and high temperature tests	30.000 op. Cycles -5 / +55 °C	09-129-MM/E
Short-time withstand current and peak withstand current tests	$I_{sc} = 40 \text{ kA/3s}$ $I_{ma} = 104 \text{ kA}$	11-078-MS
Short-circuit making and breaking tests	$I_{sc} = 40 \text{ kA}$ $I_{ma} = 104 \text{ kA}$	11-076-MS


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Berlin, September 20, 2011

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Sitz der Gesellschaft: Berlin und München, Deutschland; Registergericht: Berlin Charlottenburg, HRB 12300, München, HRB 6684
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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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	11-076-MS
Capacitive current switching tests: -cable-charging current breaking tests -single capacitor bank switching tests	11-077-MS


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