

Test Documents for Vacuum Circuit-Breaker 3AH5282-1 (24 kV, 16 kA, 800 A)

The vacuum circuit-breakers of type 3AH5 were type tested in accordance with

IEC 60694, edition 2.2, 2002-01,
IEC 62271-100, 1st edition, 2001-05 and the relevant harmonisation documents.

For vacuum circuit-breaker 3AH5282-1 the following test documents are valid:

Type Tests	Rated Values	Test Documents
Dielectric tests	$U_P = 125$ kV $U_d = 50$ kV	03-026-MH/E
Temperature-rise tests	$I_r = 800$ A	02-014-ME/E
Mechanical operation test at ambient temperature, Low and high temperature tests	10.000 op. Cycles	04-026-MM/E
Short-time withstand current and peak withstand current tests	$I_{sc} = 16$ kA/3s $I_{ma} = 40$ kA	03-023-MS/E
Short-circuit making and breaking tests	$I_{sc} = 16$ kA $I_{ma} = 40$ kA	03-018-MS/E



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Berlin, November 28, 2006

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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 60694 and IEC 62271-100 the following tests were carried out:

Type Tests	Test Documents
Single-phase and double earth fault tests	03-018-MS/E
Capacitive current switching tests: -cable-charging current breaking tests -single capacitor bank switching tests	03-031-MS/E
Out-of-phase making and breaking tests	03-040-MS/E



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