

Test Documents for Vacuum Circuit-Breaker 3AH4785-2 (27.5 kV, 31.5 kA, 1250 A)

The vacuum circuit-breakers of type 3AH47 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 3AH4785-2 the following test documents are valid:

Type Tests	Rated Values	Test Documents
Dielectric tests	U _p = 185 kV U _d = 85 kV	03-048-MH/E
Temperature-rise tests	I _r = 1250 A	TVM1/0031E
Mechanical operation test at ambient temperature, Low and high temperature tests	10.000 op. Cycles -5 / +55 °C	TVM1/0190E/00
Short-time withstand current and peak withstand current tests	I _{sc} = 31.5 kA/3s I _{ma} = 80 kA	TVM2/3073E
Short-circuit making and breaking tests	I _{sc} = 31.5 kA I _{ma} = 80 kA	00-029-MS/E


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Berlin, November 09, 2007

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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
Capacitive current switching tests: -cable-charging current breaking tests -single capacitor bank switching tests	00-036-MS/E
Out-of-phase making and breaking tests	00-029-MS/E



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