

Test Documents for Vacuum Circuit-Breaker 3AK7646 (17,5 kV, 50 kA, 2500 A)

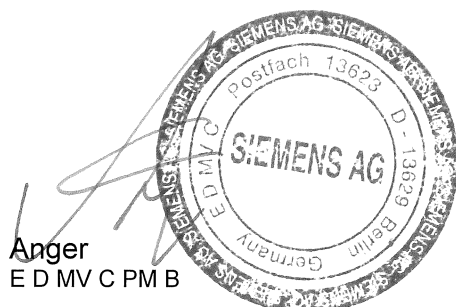
The vacuum circuit-breakers of type 3AK7 were type tested in accordance with

IEC 62271-1, edition 1.0, 2007-10
IEC 62271-100, edition 2.0, 2008-04

DIN EN 62271-1 (VDE 0671-1), 2009-08
DIN EN 62271-100 (VDE 0671-100), 2009-12

For vacuum circuit-breaker 3AK7646 the following test documents are valid:

Type Tests	Rated Values	Test Documents
Dielectric tests	U _p = 95 kV U _d = 38 kV	U4402/672e
Temperature-rise tests	I _r = 2500 A	U4445/141e
Mechanical operation test at ambient temperature, Low and high temperature tests	10.000 op. Cycles -5 / +55 °C	02-013-MM/E
Short-time withstand current and peak withstand current tests	I _{sc} = 50 kA/3s I _{ma} = 130 kA	KEMA 65-01
Short-circuit making and breaking tests	I _{sc} = 50 kA I _{ma} = 130 kA	KEMA 65-01



 Anger
 E D M V C P M B

Berlin, May 05, 2011

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 Energy Sector; Leitung: Wolfgang Dehen
 Power Distribution Division; Leitung: Ralf Christian
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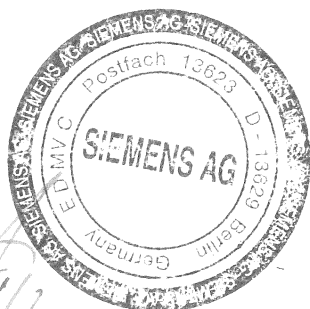
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Test Documents for Vacuum Circuit-Breaker 3AK7642 (17,5 kV, 50 kA, 1250 A)

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	KEMA 65-01



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