SUMMARY OF TESTS PERFORMED

Test object: Air-oil transformer bushing
Type: AirRIP® flex 362-1300/2000-0.6 CU
Drawing №: 1ZBF180106 rev A
Customer: ABB Power Grids Switzerland
Date of tests: 14 – 18 May 2020
Test standards: IEC 60137, ed.7

Tests performed

- Verification of dimensions 8.14
- Tests of tap insulation 3 kV, 72 seconds 9.6
- Dry lightning impulse voltage withstand test (BIL) – routine test, five full negative impulses 1365 kV 9.3
- Dry power-frequency voltage withstand test 625 kV, 72 seconds 9.4
- Measurement of partial discharge quantity, ≤2 pC 9.5
- Measurement of dielectric dissipation factor (tan δ) and capacitance 9.2
- Thermal stability test, 290 kV, 5 hours 8.6
- Dry lightning impulse voltage withstand test (BIL) – routine test, five full negative impulses 1365 kV 9.3
- Dry power-frequency voltage withstand test 625 kV, 72 seconds 9.4
- Measurement of partial discharge quantity, ≤2 pC 9.5
- Measurement of dielectric dissipation factor (tan δ) and capacitance 9.2
- Tests of tap insulation 3 kV, 72 seconds 9.6

Interpretation of test results

Air-oil transformer bushing type AirRIP® flex 362-1300/2000-0.6 CU passed above mentioned tests in accordance with relevant standards and customer requirements.

Prague, 16 December 2020

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