

AIR INSULATED LSC-2A MODULAR SWITCHGEAR

VALID TYPE TEST LIST

Type of Test Sample : SME series Metal Enclosed Switchgear
Construction : 12 kV, LSC-2A, PI

Date: 26.04.2019
Doc. No.: LS.18.08

| No | Art. No | Type Test Name | Test Rating | Standard | Lab - Report No | Report Date |
|----|---------|--|--|--|--|-------------|
| 1 | 6.2 | Dielectric Test Ur : Rated Voltage (rms) Ud : Power Frequency withstand voltage (rms) Up : Lighting impulse withstand voltage | Ur : 12 kV Ud : 28 kV Up : 75 kV (1.2/50µs) | IEC 62271-200 (2011-10) IEC 62271-1 (2011-03) | VEIKI – 5062 VEIKI – 5063 VEIKI – 5064 | 03.06.2008 |
| 2 | 6.5 | Temperature Rise Tests Ir : Rated Current (rms) | Ir : 630 A | IEC 62271-200 (2003-11) | VEIKI – 5066 VEIKI – 5067 VEIKI – 5068 | 03.06.2008 |
| 3 | 6.6 | Short Circuit Withstand Current Ik : Rated RMS Short time withstand Current Ip: Rated Peak withstand Current | Ik : 20 kA (1s) Ip : 50 kA | IEC 62271-200 (2003-11) | VEIKI – 5050 | 03.06.2008 |
| 4 | 6.7.1 | Instrument Protection Tests IP | IP 3X / IP2X | IEC 62271-200 (2011-10) | LVT - 13-0575-R02 | 23.09.2013 |
| 5 | 6.106 | Internal Arc Test (IAC) Ia : Rated 3-phase Arc Fault Current /duration Internal Arc Classification | 16 kA / 1 s AFL | IEC 62271-200 (2003-11) | ICMET – 10383 VEIKI – 5510 | 15.10.2009 |

AIR INSULATED LSC-2A MODULAR SWITCHGEAR

VALID TYPE TEST LIST

| No | Art. No | Type Test Name | Test Rating | Standard | Lab - Report No | Report Date |
|----|---------|---|----------------------------|--|--|-------------|
| 6 | 6.10 | Addition experiments on auxiliary and control circuits | - | IEC 62271-200 (2013-04) | LVT-KD.D.14-0967-R01-01D LVT-KD.D.14-0967-R01-02D | 01.08.2017 |
| 7 | 6.102 | Mechanical Operation Tests | IK 10 | IEC 62271-200 (2011-10) | LVT - 16.1074-R02-N01-01 | 24.03.2017 |
| 8 | - | Earthquake actions on structures and Steel elements check | Ground type C, PGA 0.5g | Eurocode 3 Eurocode 8 | FRM02RC01 | 01.10.2012 |
| 9 | - | Seismic Test | 0,5 g | IEC 62271-210 (2013) EN 60068, IEEE-693 | VIRLAB 162452C | 30.08.2016 |
| | | | 1,6 g | GR-63-CORE (ZONE 4) | VIRLAB 162453C | 30.08.2016 |