

# AIR INSULATED LSC-2B MODULAR SWITCHGEAR

## VALID TYPE TEST LIST



Type of Test Sample : SNC series Metal Clad Switchgear  
Construction : 24 kV, LSC-2B, PM

Date: 07.09.2022  
Doc. No.: LS.18.21

| No | Art. No | Type Test Name   | Test Rating                        | Standard                | Lab - Report No                              | Report Date              |
|----|---------|--|------------------------------------|-------------------------|--|--------------------------|
| 1  | 6.2     | Dielectric Test<br>Ur : Rated Voltage (rms)<br>Ud : Power Frequency withstand voltage (rms)<br>Up : Lighting impulse withstand voltage | Ur : 24 kV                         | IEC 62271-200 (2011-10) | LVT.D.13.0251-R.00                           | 18.07.2013               |
|    |         |  | Ud : 50 kV                         |                         | LVT.D.13.0250-R.00                           | 18.07.2013               |
|    |         |  | Up : 125 / 145 kV                  |                         | EMEK -14.006.0                               | 02.12.2014               |
|    |         |  | (1.2/50µs)                         |                         | EMEK -15.039.0                               | 07.10.2015               |
|    |         |  |                                    |                         | LVT.19.0054.R01.N01.01                       | 22.2.2019                |
| 2  | 6.5     | Temperature Rise Tests<br>Ir : Rated Current (rms)   | Ir : 6300 A                        | IEC 62271-200 (2011-10) | LVT.11.0349-R.02                             | 18.11.2011               |
|    |         |  | Ir : 1250 A                        | IEC 62271-200 (2011-10) | LVT.D.13.0250-R.00                           | 18.07.2013               |
|    |         |  | Ir : 2500 A                        | IEC 62271-200 (2011-10) | LVT.D.13.0251-R.00                           | 28.03.2013               |
|    |         |  |                                    |                         | LVT.19.0054.R01.N01.01                       | 22.2.2019                |
| 3  | 6.6     | Short Circuit Withstand Current<br>Ik : Rated RMS Short time withstand Current<br>Ip: Rated Peak withstand Current                     | Ik : 16 kA (1s)<br>Ip : 40 kA      | IEC 62271-200 (2003)    | LVT.11.0349-R.02                             | 27.10.2010               |
|    |         |  | Ik : 25 kA (3s)<br>Ip : 63 kA      | IEC 62271-200 (2011-10) | LVT.D.13.0250-R.00<br>LVT.D.13.0251-R.00     | 18.07.2013<br>18.07.2013 |
|    |         |  | Ik : 31,5 kA (1s)<br>Ip : 78,75 kA | IEC 62271-200 (2011-10) | LVT.19.0054.R01.N01.02                       | 22.2.2019                |
|    |         |  | Ik : 40 kA (1s)<br>Ip : 63 kA      | IEC 62271-200 (2011-10) | LVT.D.13.0250-R.00<br>LVT.D.13.0251-R.00     | 18.07.2013<br>18.07.2013 |
| 4  | 6.7.1   | Instrument Protection Tests<br>IP  | IP 4X / IP2X<br>IP 4X / IP3X       | IEC 62271-200 (2011-10) | LVT - 13-0575-R02D<br>LVT.19-0481-R01-N02-02 | 01.07.2014<br>08.03.2019 |

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|----|---------|--|------------------------|--|--|-------------|
| 5  | 6.106   | Internal Arc Test (IAC)<br>Ia : Rated 3-phase Arc Fault Current /duration<br>Internal Arc Classification | 25 kA / 1 s AFLR       | IEC 62271-200 (2011-10)                    | CESI.B3024541  | 24.09.2013  |
|    |         |  | 31,5 kA / 1 s<br>A FLR | IEC 62271-200 (2011-10)                    | CESI.B8019778  | 05.10.2018  |
| 6  | 6.10    | Addition experiments on auxiliary and control circuits   | -                      | IEC 62271-200 (2013-04)                    | LVT-KD.D.14-0967-R01-01D<br>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  | -       | Seismic Test   | 0,5 g                  | IEC 62271-210 (2013)<br>EN 60068, IEEE-693 | VIRLAB 162452C                                       | 30.08.2016  |
|    |         |  | 1,6 g                  | GR-63-CORE (ZONE 4)                        | VIRLAB 162453C                                       | 30.08.2016  |