

AIR INSULATED LSC-2A MODULAR SWITCHGEAR

VALID TYPE TEST LIST

Type of Test Sample : SME series Metal Enclosed Switchgear
Construction : 36 / 40,5 kV, LSC-2A, PI

Date: 31.03.2020
Doc. No.: LS.18.07

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 : 36 kV Ud : 70 kV Up : 170 kV (1.2/50µs)	IEC 62271-200 (2011-10) IEC 62271-1 (2011-03) IEC 62271-1 (2017)	EMEK – 20.011 EMEK - 14.005.0 EMEK - 19.004.0 LVT - LVT.D.14-0721-R.02 LVT - 16.1074-R02-N01-01 LVT - 16.1075-R02-N01-01 LVT.17-1495-R01-N01-02D LVT.18-1629-R02-N01-01 LVT.19-1042-R00-N01-01	04.03.2020 18.04.2019 18.04.2019 18.03.2019 18.03.2019 01.04.2019 23.06.2018 25.05.2019 09.09.2019
			Ur : 40,5 kV Ud : 90-120 kV Up : 190-210 kV (1.2/50µs)	IEC 62271-1 (2017) IEC 62271-200 (2011-10)	EMEK - 18.044.0 LVT - 18-1583-R01-N01-01	21.11.2018 10.01.2019
2	6.5	Temperature Rise Tests Ir : Rated Current (rms)	Ir : 1250 A	IEC 62271-200 (2011-10)	LVT - LVT.D.14-0721-R.02	18.03.2019
			Ir : 630 A	IEC 62271-200 (2011-10)	LVT - 16.1074-R02-N01-01 LVT - 16.1075-R02-N01-01 LVT.18-1629-R02-N01-01	18.03.2019 01.04.2019 25.05.2019
3	6.6	Short Circuit Withstand Current Ik : Rated RMS Short time withstand Current Ip: Rated Peak withstand Current	Ik : 25 kA (1s) Ip : 63 kA	IEC 62271-200 (2011-10)	LVT - D.14-0721-R.02	18.03.2019
			Ik : 16 kA (1s) Ip : 40 kA	IEC 62271-200 (2011-10) IEC 62271-200 (2003-11)	LVT - 16.1074-R02-N01-01 LVT - 16.1075-R02-N01-01 ICMET – 9325 LVT.17-1495-R01-N01-02D LVT.18-1629-R02-N01-01	18.03.2019 01.04.2019 24.01.2005 23.06.2018 25.05.2019

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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 (2009)	VEIKI - 5511 VEIKI - 5579	30.11.2009
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 LVT.19-1042-R00-N01-01	24.03.2017 09.09.2019
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