



TYPE TEST REPORTS relating to VARISIL™ HI Polymer Housed Surge Arresters

TYPE TESTS PERFORMED	REFERENCE STANDARD	SAMPLES TESTED	TEST REPORT			ADDITIONAL INFORMATION
			Reference	Date	Language	
Insulation withstand tests on the housings	IEC 60099-4 § 10.8.2	Housings rated 24 kV & 36 kV	CERDA N° 4715	January 14, 2004	French / English	
		Housing assemblies rated 48 kV to 144 kV	CERDA N° 4701	November 21, 2003	French / English	
Lightning, switching and steep current impulse residual voltage tests	IEC 60099-4 § 10.8.3	5 kV rated metal oxide resistors	CESI B8009760	June 7, 2018	English	Voltage vs current characteristic curve VI 8992 0X XX / E rev. 05 (June 6, 2018, English)
Repetitive charge transfer rating test	IEC 60099-4 § 10.8.5	5 kV rated metal oxide resistors	CESI B8009761	May 25, 2018	English	
Operating duty test	IEC 60099-4 § 10.8.7 (including § 10.8.4, § 10.8.6 and § 10.8.15)	5 kV dielectrically & thermally prorated sections	CESI B8010595	June 12, 2018	English	Technical note ALSTOM N° 494 (September 18, 2003, English)
Power-frequency voltage versus time test	IEC 60099-4 § 10.8.8	5 kV thermally prorated sections	CESI B8010954	June 12, 2018	English	Voltage vs time characteristic curve UT 8992 0X XX / E rev. 05 (June 6, 2018, English)
Short circuit tests	IEC 60099-4 § 10.8.10	HI 144 surge arresters	CERDA N° 4700	October 9, 2003	French / English	
		HI 36 surge arresters	CESI A8018576	June 25, 2008	English	

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Bending moment test	IEC 60099-4 § 10.8.11	HI 60 surge arresters	TRIDELTA TR-E 12003BM	April 20, 2012	English	
Radio Interference Voltage (RIV) & Partial Discharge (PD) tests	IEC 60099-4 § 10.8.14	HI 144 surge arrester	CESI B8011360	May 31, 2018	English	
Weather ageing test	IEC 60099-4 § 10.8.17.2 (1000 h test)	HI 144 surge arrester	CESI AT-A4/513921	August 30, 2004	English	
	IEC 60099-4 § 10.8.14.2.2 (*) (5000 h test) & § 10.8.17.3	HI 24 surge arrester	CESI A6026074	October 6, 2006	English	

Note : Reference is made to IEC 60099-4 - edition 3.0 (June 2014) except for test marked with a "(*)" in the 2nd column which is based on edition 2.2 (May 2009)