

	<p align="center">PERMANENT DOCUMENT</p>	<p align="center">ENEC 303 Annex BH</p>
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Annex BH
to Routine Test Requirements for manufacturers
(as per Article 9 of the Agreement)
Component for Low-voltage surge protective devices
Performance requirements and test methods for
metal oxide varistors (MOV)
EN IEC 61643-331

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Annex BH to PD ENEC 303

Component for Low-voltage surge protective devices Performance requirements and test methods for metal oxide varistors (MOV) EN IEC 61643-331

ROUTINE TESTS (100%)

1.1 General

During manufacturing of the MOV, it should be verified that the MOV is capable of meeting its performance. Each MOV shall be subjected to a routine test at the end of the production, to demonstrate the correct functioning of the SPD.

1.2 Varistor Voltage

Three samples per representative model were tested using the specified nominal dc current. The time of application was between 10 ms and 10 s. The device was tested in both polarities.

Pass criteria

The measured varistor voltage values shall within the manufacturer's specified varistor voltage range.

PERIODIC TESTS

The product verification tests shall be carried out in addition to the routine tests. The manufacturer shall at least perform the following tests

For MOV only:

8.2.1 Single Impulse Maximum Current

9.3 Nominal Discharge Current Testing

8.5 ESD Test (SMD type varistor only)

For Thermally Protected Varistors only:(Below Items Are Sequence Test)

9.3 Nominal Discharge Current Testing

9.4 Limited Current Test

9.5 Dielectric Testing

9.6 Insulation Resistance

Samples of each series/family (same basic construction) shall be subjected to complete tests or the main critical tests depending on the results of the pre-licence tests according to the standard at least once a year.