

ENEC Scheme	PERMANENT DOCUMENT	ENEC 303 Annex Q
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**Annex Q
to requirements for manufacturers
(as per article 9 of the Agreement)**

**Transformers for tubular discharge lamps having
A no-load output voltage exceeding 1000 V
covered by EN 61050**



Approved by the ENEC Group on April 16, 1997
Ratified by the LVE-AC on April 17, 1997

Date of issue: September 2000

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Annex Q to ENEC 303

TRANSFORMERS FOR TUBULAR DISCHARGE LAMPS HAVING A NO-LOAD OUTPUT VOLTAGE EXCEEDING 1000 V COVERED BY EN 61050

1 ROUTINE TESTS (100%)

- 1.1 Visual check of marking and workmanship
- 1.2 If applicable, earth continuity test with a voltage between 6 and 12 V and a current not less than 10 A. The contact resistance shall not exceed 0,5 Ω .
- 1.3 Checking of no-load output voltage
- 1.4 The short-circuit current of the output winding shall be measured, the input connected to rated supply voltage.
- 1.5 Dielectric strength test
 - between input winding and external metal parts, twice the rated input voltage plus 1000 V, with the output winding connected to the external metal parts.
 - between output winding(s) and external metal parts, twice the no-load output voltage, the input winding being connected to the external metal parts.
 - the test period is 1 sec
- 1.6 Electric strength test through induced voltage

The transformer, with no-load, shall be connected for 1 min. to an ac voltage, as far as possible of sine-wave form. The primary voltage shall be raised to 150% of the rated supply voltage. The frequency shall be approximately twice the rated frequency.

No flashover or breakdown shall occur during the test.
- 1.7 Functional test of safety switches, if available.
