



**PERMANENT DOCUMENT**

**ENEC 303  
Annex H**

**Annex H  
to Routine Test Requirements for manufacturers  
(as per Article 9 of the Agreement)**

**Step-down convertors for incandescent lamps covered by  
EN 61347-2-2 (safety) – EN 61047 (performance)**

Approved by:	ENEC Group Postal Vote of 6 October 2010	No. of pages: 2
Date of issue:	December 2010	
Supersedes:	PD ENEC 303 Annex H – September 2000	Page 1 of 2

## Annex H to PD ENEC 303

### Step-down convertors for incandescent lamps covered by EN 61347-2-2 (safety) – EN 61047 (performance)

#### 1 ROUTINE TESTS (100%)

1.1 Visual check of marking and workmanship \*)

1.2 Operating test

The ballast shall be connected with proper lamps for the correct operating.  
Otherwise a circuit giving sufficient assurance of correct operating can be used, as alternative.

1.3 Voltage test applied for a period of 1 second as indicated in the following table:

Application point of voltage test	Self-equivalent convertors >200 and ≤450 V	Isolating convertors (self-convertors) >200 and ≤450 V	Other convertors >42 and ≤1000 V
Between live parts (input and output live parts) and the body	1500 V (IEC 60065)	1875 V	2 U + 1000 V
Between input live Parts and output live parts	3000 V (IEC 60065)	3750 V	

In case of built-in or integral ballasts testing shall be applied according to the final installation.

#### 2 PERIODIC TESTS

2.1 Endurance test (at least once every two years)

This test shall be carried out on a sample of each series/family (same basic construction).

2.2 Terminals, screws, current-carrying parts and connections (at least once a year)

2.3 Protection against accidental contact with live parts and creepage distances and clearances measurement (at least once a year)

\*) Workmanship means:

Completeness of product, all parts correctly mounted, without visible defects, no sharp edges which may cause damage or injuries.