



DATA SHEET

TRE820PISO

Description: TR.E820P isolated 230V 50HZ C.440 SP

GENERAL CHARACTERISTICS

The ignition transformer is CE marked, it is made in compliance with the European product standard EN 61588/2/3. It undergo to the European low voltage directives 73/23/CEE and electromagnetic compliance 89/336/CEE. By using the advised accessories the transformer is compliant with the prescription of the generic standard EN 50081-1 and in particular with the electronic home device standard EN 55014-1/A2. Every single transformer, at the end of its production cycle, is tested as reported on the table below.

The ignition transformer shall be used with a control unit.

An high voltage symbol with yellow color filling has to be applied outside of the device where the transformer is mounted.

RATED DATA

| | |
|--|---------------|
| Primary Supply Voltage E [V] | 230 |
| Frequency [Hz] | 50 |
| Primary Current [A] | 1 |
| Apparent Power [VA] | 230 |
| Secondary Voltage at open circuit RMS [kV] $\pm 10\%$ | 1x8 |
| Secondary Peak Voltage at open circuit [kV] | 11 |
| Secondary Current in short circuit RMS [mA] $\pm 10\%$ | 20 |
| Duty Cycle | 19% on 3 min. |
| Temperature data: | |
| Temperature Class: | B |
| Operating Ambient Temperature (ta): [°C] | 35 |
| Approvals: | CE-VDE-SEV |

MECHANICAL DATA

| | |
|---|-------------------------------|
| Drawing File: E_c_sp | |
| External enclosure: epoxy thermosetting resin | |
| H.V. connections : plug \varnothing 4 mm. | |
| H.V. output cables mounted: | NONE |
| Cable assembly: | NONE |
| Bracket: | NONE |
| Packaging: 10 pcs. box | Transformer weight [kg.]: 1,9 |

PRIMARY CONNECTION

| | |
|---------------------------------------|----------------|
| Primary connection type: Molded cable | |
| Description: 3x0,50 silicon cable | Finishing: |
| Lenght X [mm]: 380 | End terminals: |

FINAL TESTS

| | |
|---------------------------|---|
| Primary Coil Resistance | |
| Secondary Coil Resistance | |
| Ground continuity | Rmax 0,1 ohm ; I min 10 A |
| Dielectric Strength | 2E+1000 V |
| Insulation | a 500 V R>20 Mohm |
| Armature Test | 1,5E 100Hz Imax=0,2 x I nom |
| Open Circuit Test | magnetization Io Secondary Voltage in kV |
| Short Circuit Test | I primary rated in A I secondary rated in mA |

TECHNICAL OFFICE

DRAWN BY: Paolo Comin

DATE: 20/06/2003

MODIFIED BY:

MODIFIES: