



DATA SHEET

TRE820PISO1

Description: TR.E820P isolated 115V 50/60HZ C.440 viras

GENERAL CHARACTERISTICS

The ignition transformer is CE marked, it is made in compliance with the European product standard EN 61588/2/3. It undergoes 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]	115
Frequency [Hz]	50/60
Primary Current [A]	1.9
Apparent Power [VA]	220
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

MECHANICAL DATA

Drawing File: E_c_sp	
External enclosure: epoxy thermosetting resin	
H.V. connections : self tapping screws	
H.V. output cables mounted:	NONE
Cable assembly:	NONE
Bracket:	NONE
Packaging: 10 pcs. box	Transformer weight [kg.]: 1,3

PRIMARY CONNECTION

Primary connection type: Molded cable	
Description: 3x0,50 silicon cable	Finishing:
Length 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 I _{max} =0,2 x I _{nom}
Open Circuit Test	magnetization I _o Secondary Voltage in kV
Short Circuit Test	I primary rated in A I secondary rated in mA

TECHNICAL OFFICE

DRAWN BY: Paolo Comin

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MODIFIED BY:

MODIFIES: