

# DATA SHEET

## TRS820P

Description: TR.S820P 230V 50HZ 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 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	25% on 4 min.
<b>Temperature data:</b>	
Temperature Class:	B
Operating Ambient Temperature (ta): [°C]	35
Approvals:	CE

### MECHANICAL DATA

Drawing File: S_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.]: 1,9

### PRIMARY CONNECTION

Primary connection type: Molded cable	
Description: 3x0.50 silicone 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	
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<b>MODIFIED BY:</b>	<b>MODIFIES:</b>	