

# DATA SHEET

## TRS1020/6

Description: **TR.S 240V 50Hz 1A 2x5kV 20mA 25% C.440 VIRAS**

### GENERAL CHARACTERISTICS

The ignition transformer is produced in conformity with the European Standard EN61558-2-3:2025-04 and in compliance with the Directive 2014/35/EU. It is compliant with the following Directives and Regulations: 2014/30/EU (EMC), in conformity with EN55014-2:2021-11; 2015/863/EU (RoHS III) and 2006/1907/EU (REACH). Each transformer is CE marked.

The conformity to EN 55014-1:2021-11 (EMC), must be tested on the application where the transformer is applied.

The production is made in an ISO9001:2015 DNV certified plant and controlled by the monitoring procedure according to Regulation (EU) 2014/35 Annex III Module A.

Every single transformer, at the end of its production cycle, is tested. The ignition transformer must be used with a control unit and installed in airy location.

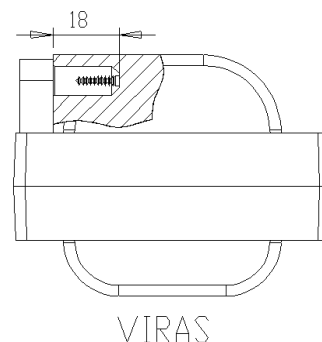
An high voltage symbol with yellow color filling must be applied near the device.

### RATED DATA

|                                                        |                                                                                         |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Primary Supply Voltage E [V]                           | 240 V                                                                                   |
| Frequency [Hz]                                         | 50 Hz                                                                                   |
| Primary Current [A]                                    | 1 A                                                                                     |
| Apparent Power [VA]                                    | 240 VA                                                                                  |
| Secondary Voltage at open circuit RMS [kV] $\pm 10\%$  | 2x5 kV                                                                                  |
| Secondary Peak Voltage at open circuit [kV]            | 14,14 kV                                                                                |
| Secondary Current in short circuit RMS [mA] $\pm 10\%$ | 20 mA                                                                                   |
| Duty Cycle                                             | 25% on 4'                                                                               |
| Approvals                                              | CE  |

### MECHANICAL DATA

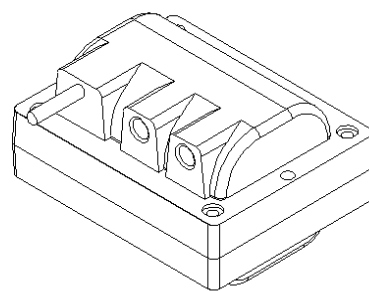
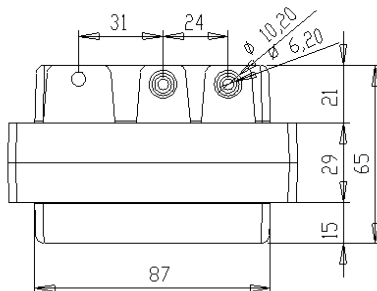
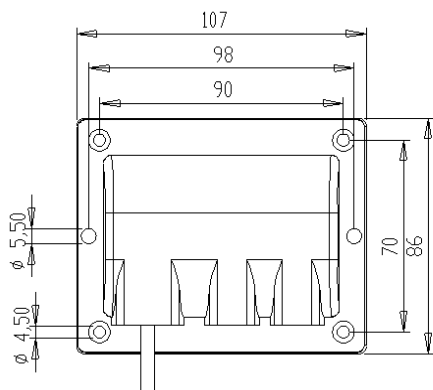
|                                  |                           |
|----------------------------------|---------------------------|
| External enclosure               | Epoxy thermosetting resin |
| High Voltage output              | VIRAS                     |
| High Voltage connections         | Screws                    |
| Ambient Temperature - Protection | Ta 35°C/B - IP00          |
| Packaging                        | 10 pcs box                |
| Weight [kg]                      | 1,944 Kg                  |



### PRIMARY CONNECTIONS

|                        |                                                       |
|------------------------|-------------------------------------------------------|
| Low Voltage connection | Cable                                                 |
| Actual cable L. [mm]   | Description <b>SIL 3x0,50 3 END SPLICES TERMINALS</b> |

### DIMENSIONS



Note

Date **23/04/2026**

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