

# DATA SHEET

# TRL24-30C

Description: **TR.L 24V DC 3,5A 2x7,5kV 30mA 100% V D**

## IGNITION TRANSFORMERS FOR GAS AND OIL BURNERS

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.

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

## RATED DATA

|                                                   |            |
|---------------------------------------------------|------------|
| Primary Supply Voltage E [V]                      | 24V DC     |
| Frequency [Hz]                                    | DC Hz      |
| Power [W]                                         | 80 W       |
| Maximum Current [A]                               | 3,5 A      |
| Secondary Peak Voltage at open circuit [kV] ± 10% | 2x7,5 kV   |
| Secondary Current in short circuit RMS [mA]       | 30 mA      |
| Minimum secondary current RMS [mA]                | 22 mA      |
| Duty Cycle                                        | 100%       |
| Run Time [ms]                                     |            |
| Approvals                                         | CE         |
| Operating Ambient Temperature [°C]                | +60/-20 °C |

## MECHANICAL DATA

|                                  |                                  |
|----------------------------------|----------------------------------|
| External enclosure               | <b>Epoxy thermosetting resin</b> |
| High Voltage output              | <b>Vertical</b>                  |
| High Voltage connections         | <b>Plug Ø 4mm</b>                |
| Storage Temperature [°C]         | <b>-20/+85 °C</b>                |
| Weight [kg.]                     | <b>0,515 Kg</b>                  |
| Packaging                        | <b>16 pcs box</b>                |
| Ambient Temperature - Protection | <b>Ta 35°C/B - IP00</b>          |

## PRIMARY CONNECTIONS

|                        |                       |
|------------------------|-----------------------|
| Low Voltage connection | <b>Plug D</b>         |
| Input                  | <b>Faston 6,3x0,8</b> |

## DIMENSIONS

