PERRY ELECTRIC S.R.L.
SOCIETÀ ITALIANA PER LA COSTRUZIONE DI APPARECCHI ELETTRICI
Sede Legale ed Amministrativa:
22070 VENIANO (Como) – ITALY – Via Milanese, 11 – Tel. 031.8944.1 s.p. – Fax 031.931848

DATA SHEET

MODEL : **1TD TR040/DDV**

General use 3 DIN non-inherently short-circuit proof Safety Transformer
in compliance with European standard:
EN 61558-2-6
EN 61558-1



SPECIFICATION :

-Primary nominal voltage	230V
- Secondary 1 voltage/ current / power	12V 1,66A 20VA
- Secondary 2 voltage/ current / power	12V 1,66A 20VA
- Secondary 3 voltage/ current / power (1+2 series)	24V 1,66A 40VA
- Secondary 4 voltage/ current / power (1+2 parallel)	12V 3,33A 40VA
- Nominal frequency	50/60 Hz
- Material classification	Class B
- Operating temperature	-10°C +40°C
- Storage temperature	-10°C +65°C
- Overload/short circuit primary protection	Thermistor PTC 0,33A
- Output voltage	SELV
- Insulating class	II

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ELECTRICAL CHARACTERISTICS:

Tests without load

-Dissipated power:	3,4 W
-Magnetizing current at 230V :	70 mA
-Secondary 1 NO load voltage:	14V ±2.5%
-Secondary 2 NO load voltage:	14V ±2.5%
-Secondary 3 NO load voltage:	28V ±2.5%

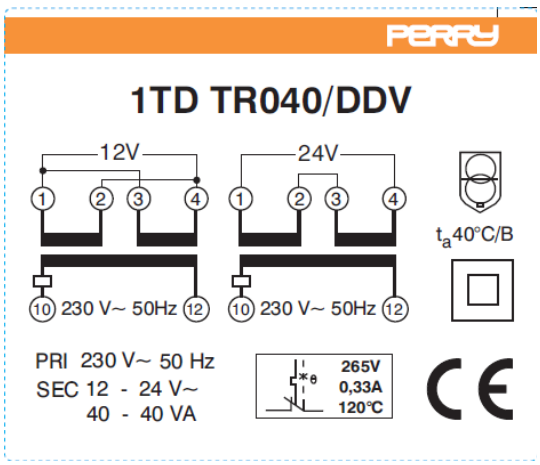
Tests with load

-Primary current at 230V :	120mA
-Secondary voltage 1, load 7,2 Ω :	12V ±5%
-Primary current at 230V :	120mA
-Secondary voltage 2, load 7,2 Ω :	12V ±5%
-Primary current at 230V :	230mA
-Secondary voltage 3, load 14,4 Ω :	24V ±5%
-Primary current at 230V :	230mA
-Secondary voltage 4, load 3,6 Ω :	12V ±5%

Short circuit test:

By shorting one or all the secondary windings, with a supply voltage of ± 6%, the primary will interrupts after a few seconds, through the intervention of the PTC.
After the interruption of the power supply, and removed the short circuit, the transformer returns to work without having suffered damage or deterioration.

PAD PRINTING:



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MECHANICAL CHARACTERISTICS:

Rear panel mounting	IP40
DIN rail installation	EN 50022 Ω type
Dimensions (WxDxH)	52.5 x 60 x 90 mm
Weight	830g
Terminals	Screw clamps
Terminal tightening torque	0.5 Nm max
Wire section at the terminals	from 1mm2 to 2.5mm2
Casing material	Thermoplastic

