



Main

Range of product	Phaseo Economic
Product or component type	Safety and isolation transformer
Rated power in VA	160 VA
Input voltage	230 V AC single phase, terminal(s): N-L1 230 V AC phase to phase, terminal(s): L1-L2
Output voltage	24 V AC
Secondary winding	Single
Protective cover	Without
Ambient air temperature for operation	-20...40 °C

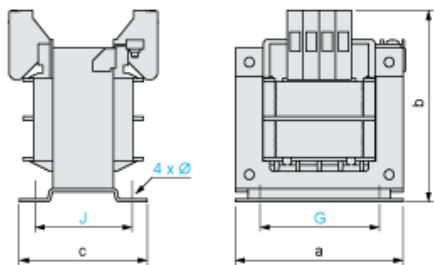
Complementary

Input voltage limits	207...253 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	87 %
Power dissipation in W	23.9 W
Voltage variation at nominal load	6.12 % at 230 V
Output sustained overvoltage	0,075 (no load, hot state)
Voltage drop at rated load	7.42 %
No load losses	9.6 W
Short-circuit voltage	9 %
Output protection type	Against short-circuits, protection technology: external Against overvoltage, protection technology: external Against overload, protection technology: external
Connections - terminals	Screw type terminals for output connection, connection capacity: 2 x 2.5...2 x 4 mm ² AWG gauge14...11 Screw type terminals for input ground connection, connection capacity: 1 x 2.5...1 x 4 mm ² AWG gauge14...11 Screw type terminals for input connection, connection capacity: 4 x 2.5...4 x 4 mm ² AWG gauge14...11
Marking	CE
Fixing mode	By 4 screws, screw(s) Ø = 5 mm on vertical panel By 4 screws, screw(s) Ø = 5 mm on horizontal panel with derating to 90 %, operating position: horizontal By clips (with mounting plate) on 35 mm symmetrical DIN rail By 4 screws, screw(s) Ø = 5 mm on vertical panel, operating position: vertical
Electrical insulation class	Class B
Product weight	2.72 kg

Environment

IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for storage	-40...80 °C
Relative humidity	0...95 % during operation
Class of protection against electric shock	Class I conforming to VDE 0106-1
Dielectric strength	5100 V between input and output 3200 V between output and ground 3200 V between input and ground

Dimensions



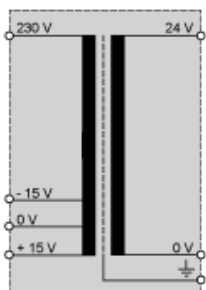
Dimensions in mm

a	b	c	G	J	Ø
97	104	92	84	78	5

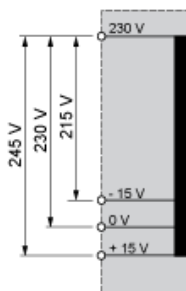
Dimensions in in.

a	b	c	G	J	Ø
3.82	4.09	3.62	3.31	3.07	0.20

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

