



Main

Range of product	Phaseo Universal
Product or component type	Safety and isolation transformer
Rated power in VA	400 VA
Input voltage	400 V AC phase to phase, terminal(s): L1-L2 230 V AC single phase, terminal(s): N-L1
Output voltage	24/48 V AC
Secondary winding	Double
Protective cover	Without
Ambient air temperature for operation	-20...60 °C

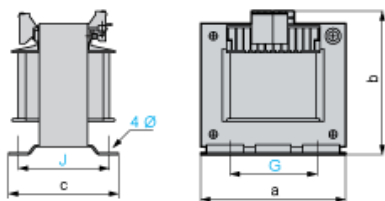
Complementary

Input voltage limits	207...253 V 360...440 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	90 %
Power dissipation in W	44.4 W
Voltage variation at nominal load	0,0366 at 230 V 0,0329 at 400 V
Output sustained overvoltage	4 % (no load, hot state)
Voltage drop at rated load	3.79 %
No load losses	21.67 W
Short-circuit voltage	0,04
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: 6 x 10 mm ² AWG gauge6 Screw type terminals for input ground connection, connection capacity: 1 x 4 mm ² AWG gauge11 Screw type terminals for input connection, connection capacity: 5 x 4 mm ² AWG gauge11
Marking	CE
Fixing mode	By 4 screws, screw(s) Ø = 7 mm on vertical panel, operating position: vertical By 4 screws, screw(s) Ø = 7 mm on vertical panel, operating position: horizontal By 4 screws, screw(s) Ø = 7 mm on horizontal panel with derating to 90 %
Output coupling	Grounding of secondary Parallel Series by internal jumper
Electrical insulation class	Class B
Product weight	7.4 kg

Environment

Product certifications	CURus ENEC
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



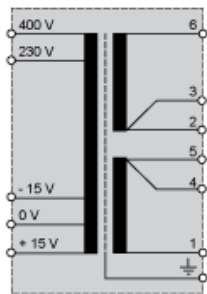
Dimensions in mm

a	b	c	G	J	Ø
151	160	113	122	95	7

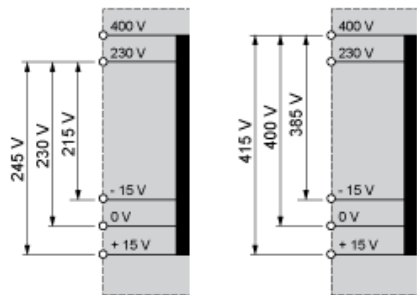
Dimensions in in.

a	b	c	G	J	Ø
5.94	6.30	4.45	4.80	3.74	0.27

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

