



Main

Range of product	Phaseo Universal
Product or component type	Safety and isolation transformer
Rated power in VA	1600 VA
Input voltage	230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2
Output voltage	115/230 V AC
Secondary winding	Double
Protective cover	Without
Ambient air temperature for operation	-20...60 °C

Complementary

Input voltage limits	360...440 V 207...253 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	94 %
Power dissipation in W	102.1 W
Voltage variation at nominal load	0,0286 at 400 V 0,0306 at 230 V
Output sustained overvoltage	0,027 (no load, hot state)
Voltage drop at rated load	3.14 %
No load losses	26.38 W
Short-circuit voltage	0,035
Output protection type	Against overload, protection technology: external Against overvoltage, protection technology: external Against short-circuits, protection technology: external
Connections - terminals	Screw type terminals for input connection, connection capacity: 5 x 4 mm ² AWG 11 Screw type terminals for input ground connection, connection capacity: 1 x 4 mm ² AWG 11 Screw type terminals for output connection, connection capacity: 6 x 4 mm ² AWG 11

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Marking	CE
Fixing mode	By 4 screws, screw(s) $\varnothing = 7$ mm on horizontal panel with derating to 90 % By 4 screws, screw(s) $\varnothing = 7$ mm on vertical panel, operating position: horizontal By 4 screws, screw(s) $\varnothing = 7$ mm on vertical panel, operating position: vertical
Output coupling	Grounding of secondary Parallel Series by internal jumper
Operating altitude	3000 m
Electrical insulation class	Class F
Product weight	20 kg

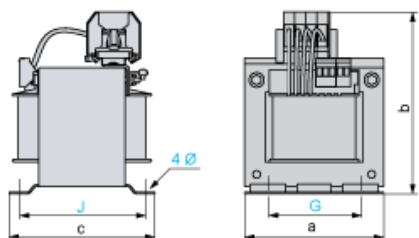
Environment

Product certifications	UR EAC
Standards	UL 506
IP degree of protection	IP20
Environmental characteristic	EMC conforming to EN 62041 Safety conforming to EN 61558-1 Safety conforming to EN 61558-2-6
Ambient air temperature for storage	-40...80 °C
Relative humidity	0...95 % during operation
Overvoltage category	Class I conforming to VDE 0106-1
Dielectric strength	3200 V between input and ground 3200 V between output and ground 5100 V between input and output

Contractual warranty

Warranty period	18 months
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Dimensions



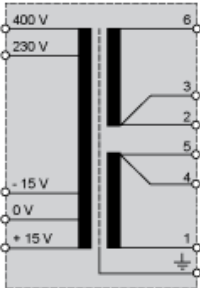
Dimensions in mm

a	b	c	G	J	Ø
174	163	167	135	141	7

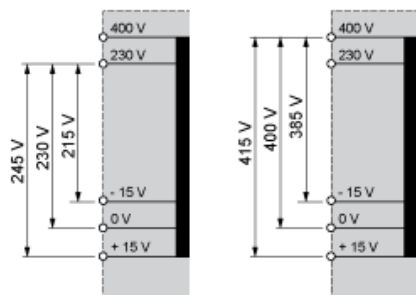
Dimensions in in.

a	b	c	G	J	Ø
6.85	6.42	6.57	5.31	5.55	0.27

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

