



## Main

Range of product	Phaseo Universal
Product or component type	Safety and isolation transformer
Rated power in VA	63 VA
Input voltage	230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2
Output voltage	24/48 V AC
Secondary winding	Double
Protective cover	With
Ambient air temperature for operation	-20...60 °C

## Complementary

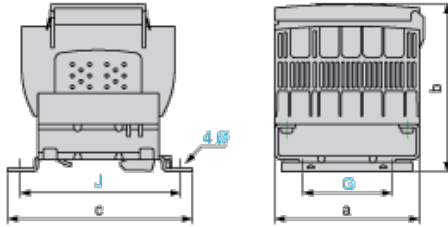
Input voltage limits	207...253 V 360...440 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	83 %
Power dissipation in W	12.9 W
Voltage variation at nominal load	0,047 at 400 V 4.79 % at 230 V
Output sustained overvoltage	0,033 (no load, hot state)
Voltage drop at rated load	3.88 %
No load losses	8.11 W
Short-circuit voltage	0,075
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 <sup>2</sup> AWG 11 Screw type terminals for input ground connection, connection capacity: 1 x 4 mm <sup>2</sup> AWG 11 Screw type terminals for output connection, connection capacity: 4 x 4 mm <sup>2</sup> AWG 11
Marking	CE
Fixing mode	By clips on 35 x 15 mm symmetrical DIN rail By 4 screws, screw(s) Ø = 5.5 mm on horizontal panel with derating to 90 % By 4 screws, screw(s) Ø = 5.5 mm on vertical panel, operating position: horizontal By 4 screws, screw(s) Ø = 5.5 mm on vertical panel, operating position: horizontal By 4 screws, screw(s) Ø = 5.5 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 B
Status LED	Orange for input voltage
Product weight	1.94 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

## Dimensions



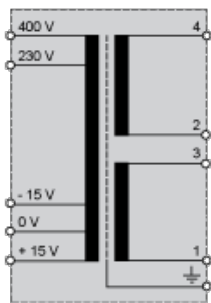
Dimensions in mm

a	b	c	G	J	Ø
87	116	108	60	96	5.5

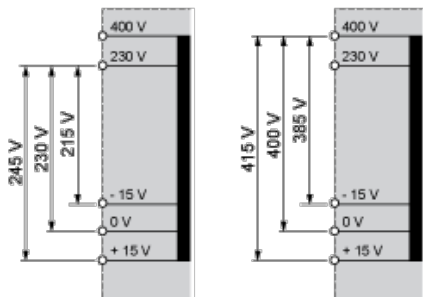
Dimensions in in.

a	b	c	G	J	Ø
3.42	4.57	4.25	2.36	3.78	0.22

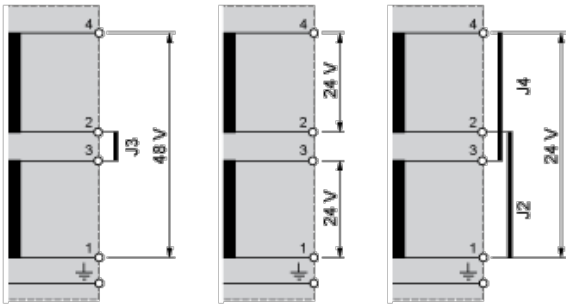
## Internal Scheme



## Primary Voltage Wiring



## Secondary Voltage Wiring



J2, Internal Jumper  
 J3,  
 J4