

Price\* : 117.00 GBP



### Main

Range of product	Phaseo Universal
Product or component type	Safety and isolation transformer
Rated power in VA	320 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	360...440 V 207...253 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	91 %
Power dissipation in W	31.6 W
Voltage variation at nominal load	0,0312 at 230 V 0,0358 at 400 V
Output sustained overvoltage	0,023 (no load, hot state)
Maximum voltage drop at rated load	2.79 %
No load losses	15.1 W
Short-circuit voltage	0,067
Output protection type	Against overload, protection technology: external Against overvoltage, protection technology: external Against short-circuits, protection technology: external
Connections - terminals	For input connection: screw type terminals, connection capacity: 5 x 4 mm <sup>2</sup> AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 4 mm <sup>2</sup> AWG 11 For output connection: screw type terminals, connection capacity: 4 x 4 mm <sup>2</sup> AWG 11
Marking	CE
Fixing mode	By 4 screws diameter: 6.5 mm on vertical panel, operating position: horizontal By 4 screws diameter: 6.5 mm on vertical panel, operating position: vertical By 4 screws diameter: 6.5 mm on horizontal panel with derating to 90 %

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

Output coupling	Parallel Series by internal jumper Grounding of secondary
Operating altitude	3000 m
Electrical insulation class	Class B
Status LED	Input voltage: 1 LED (orange)
Width	123 mm
Height	160 mm
Depth	153 mm
Net weight	7.1 kg

## Environment

Product certifications	EAC UR
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

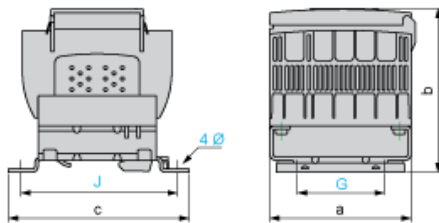
## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">Download RoHS China Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations <a href="#">End of Life Information</a>

## Contractual warranty

Warranty	18 months
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Dimensions



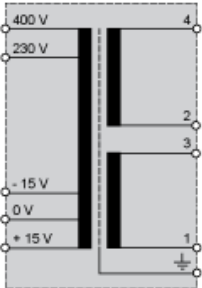
Dimensions in mm

a	b	c	G	J	Ø
123	160	153	82	136	6.5

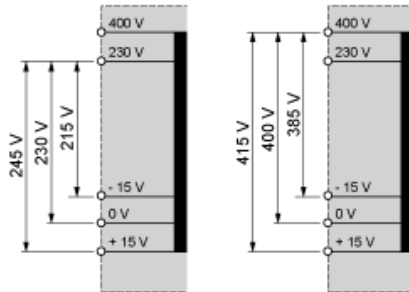
Dimensions in in.

a	b	c	G	J	Ø
4.84	6.30	6.02	3.23	5.35	0.25

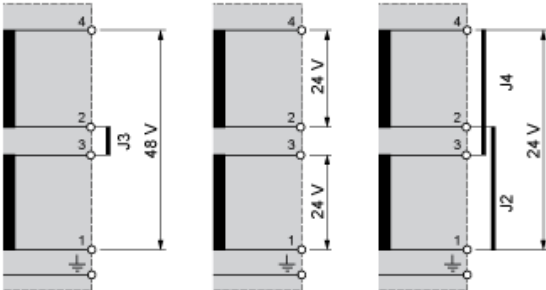
Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring



J2, J3, J4 Internal Jumper