

ABT7PDU250B

voltage transformer - 230..400 V - 2 x 24 V -
2.5 KVA



Main

Range of product	Phaseo Universal
Product or component type	Safety and isolation transformer
Rated power in VA	2500 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

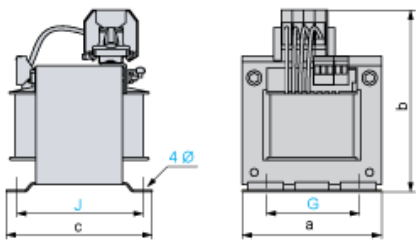
Input voltage limits	207...253 V 360...440 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	96 %
Power dissipation in W	104.2 W
Voltage variation at nominal load	0,0212 at 400 V 0,0145 at 230 V
Output sustained overvoltage	0,005 (no load, hot state)
Voltage drop at rated load	2.29 %
No load losses	40.5 W
Short-circuit voltage	0,028
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: 4 x 35 mm ² AWG gauge2 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 = 10 mm on vertical panel, operating position: vertical By 4 screws, screw(s) Ø = 10 mm on vertical panel, operating position: horizontal By 4 screws, screw(s) Ø = 10 mm on horizontal panel with derating to 90 %
Output coupling	Grounding of secondary Parallel Series by internal jumper
Electrical insulation class	Class F
Product weight	28 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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



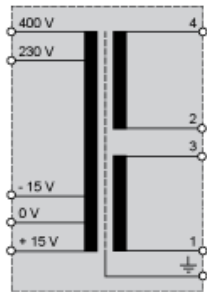
Dimensions in mm

a	b	c	G	J	Ø
192	178	180	150	150	10

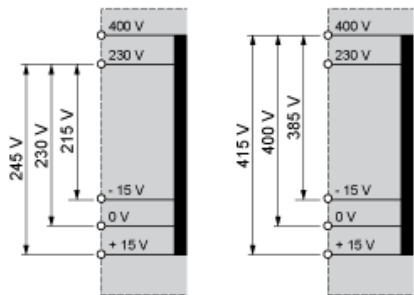
Dimensions in in.

a	b	c	G	J	Ø
7.56	7.01	7.09	5.90	5.90	0.39

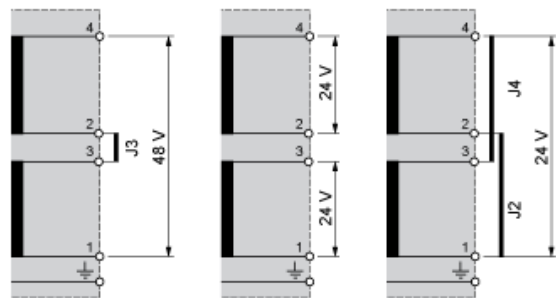
Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring



J2, Internal Jumper
J3,
J4