# **Product datasheet**





# voltage transformer - 230..400 V -2 x 24 V - 1.6 KVA

ABT7PDU160B

#### Main

Range Of Product	Modicon Transformer 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	24/48 V AC			
Secondary Winding	Double			
Protective Cover	Without			
Ambient Air Temperature For Operation	-2060 °C			

#### Complementary

Complementary		
Input Voltage Limits	207253 V 360440 V	
Network Frequency Limits	4763 Hz	
Input Voltage Tolerance	+/- 15 V	
Efficiency	94 %	
Power Dissipation In W	102.1 W	
Voltage Variation At Nominal Load	0,027 at 230 V 0,0329 at 400 V	
Output Sustained Overvoltage	0,028 (no load, hot state)	
Maximum Voltage Drop At Rated Load	3.71 %	
No Load Losses	26.33 W	
Short-Circuit Voltage	0,04	
Output Protection Type	Against overload, protection technology: with additional protection fuses or circuit- breakers in Selection of Protection Against overvoltage, protection technology: with additional protection fuses or circuit breakers in Selection of Protection Against short-circuits, protection technology: with additional protection fuses or circuit-breakers in Selection of Protection	
Connections - Terminals	For input connection: screw type terminals, connection capacity: 5 x 4 mm² AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 4 mm² AWG 11 For output connection: screw type terminals, connection capacity: 4 x 16 mm² AWG 4	
Marking	CE	
Fixing Mode	By 4 screws diameter: 7 mm on vertical panel, operating position: horizontal By 4 screws diameter: 7 mm on vertical panel, operating position: vertical By 4 screws diameter: 7 mm on horizontal panel with derating to 90 %	

Output Coupling	Parallel Grounding of secondary Series by internal jumper
Operating Altitude	3000 m
Electrical Insulation Class	Class F
Width	174.0 mm
Height	167.0 mm
Depth	223.0 mm
Net Weight	20.13 kg

# **Environment**

Product Certifications	UR EAC DNV-GL	
Standards	UL 506	
Ip Degree Of Protection	IP20	
<b>Environmental Characteristic</b>	EMC conforming to EN 62041 Safety conforming to EN 61558-1 Safety conforming to EN 61558-2-6	
Ambient Air Temperature For Storage	-4080 °C	
Relative Humidity	095 % 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	

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	21.000 cm
Package 1 Width	31.000 cm
Package 1 Length	26.000 cm
Package 1 Weight	20.880 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	4
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	92.020 kg

## **Contractual warranty**

Warranty 18 months



Green Premium<sup>TM</sup> label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

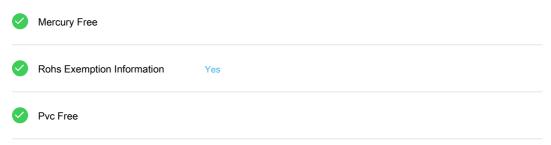
Guide to assess a product's sustainability >





Transparency RoHS/REACh

## Well-being performance



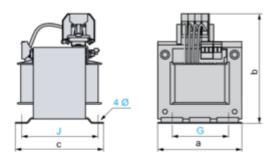
#### **Certifications & Standards**

Reach Regulation	REACh Declaration			
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)			
China Rohs Regulation	China RoHS declaration			
<b>Environmental Disclosure</b>	Product Environmental Profile			
Circularity Profile	No need of specific recycling operations  Circularity Profile			

## ABT7PDU160B

## **Dimensions Drawings**

## **Dimensions**



#### Dimensions in mm

а	b	С	G	J	Ø
174	223	167	135	141	7

#### Dimensions in in.

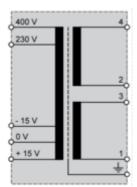
а	b	С	G	J	Ø
6.85	8.78	6.57	5.31	5.55	0.27

## **Product datasheet**

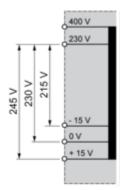
## ABT7PDU160B

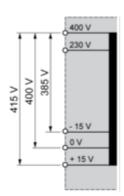
Connections and Schema

## **Internal Scheme**

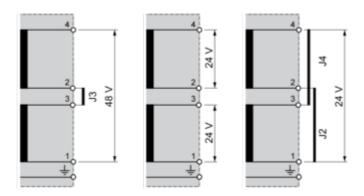


#### **Primary Voltage Wiring**





## Secondary Voltage Wiring



J2, J3, J4 Internal Jumper