Product datasheet





voltage transformer - 230..400 V -2 x 24 V - 160 VA

ABT7PDU016B

- ! Discontinued on: Nov 21, 2022
- ! To be end-of-service on: Jun 1, 2025

① Discontinued

Main

Range Of Product	Modicon Transformer Universal			
Product Or Component Type	Safety and isolation transformer			
Rated Power In Va	160 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	-2060 °C			

Complementary

Complementary		
Input Voltage Limits	360440 V 207253 V	
Network Frequency Limits	4763 Hz	
Input Voltage Tolerance	+/- 15 V	
Efficiency	88 %	
Power Dissipation In W	21.8 W	
Voltage Variation At Nominal Load	0,0316 at 400 V 0,0329 at 230 V	
Output Sustained Overvoltage	0,024 (no load, hot state)	
Maximum Voltage Drop At Rated Load	2.83 %	
No Load Losses	14.32 W	
Short-Circuit Voltage	0,068	
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 4 mm² AWG 11	
Marking	CE	

Life Is On Schneider Apr 17, 2024

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 clips on 35 x 15 mm symmetrical DIN rail By 4 screws diameter: 6.5 mm on horizontal panel with derating to 90 %				
Output Coupling	Series by internal jumper Grounding of secondary Parallel				
Operating Altitude	3000 m				
Electrical Insulation Class	Class B				
Status Led	1 LED (orange) input voltage				
Width	123.0 mm				
Height	153.0 mm				
Depth	127.0 mm				
Net Weight	4.46 kg				

Environment

Product Certifications	EAC UR DNV-GL	
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	-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	27.000 cm
Package 1 Width	26.500 cm
Package 1 Length	15.100 cm
Package 1 Weight	5.034 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	24
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	129.340 kg

Contractual warranty

Warranty 18 months



Green PremiumTM **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 >

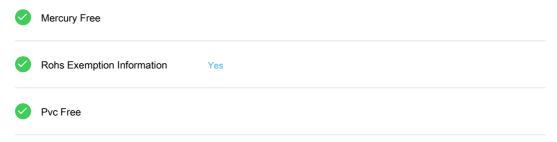
Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



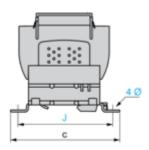
Certifications & Standards

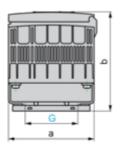
Reach Regulation	REACh Declaration				
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)				
China Rohs Regulation	China RoHS declaration				
Environmental Disclosure	Product Environmental Profile				
Circularity Profile	No need of specific recycling operations Circularity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

ABT7PDU016B

Dimensions Drawings

Dimensions





Dimensions in mm

а	b	С	G	J	Ø
123	127	153	82	136	6.5

Dimensions in in.

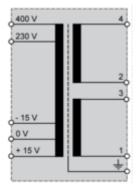
а	b	С	G	J	Ø
4.84	5.00	6.02	3.23	5.35	0.25

Product datasheet

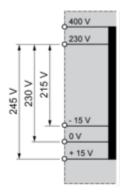
ABT7PDU016B

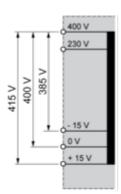
Connections and Schema

Internal Scheme

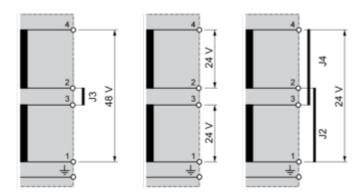


Primary Voltage Wiring





Secondary Voltage Wiring



J2, J3, J4 Internal Jumper