Product datasheet





voltage transformer - 230..400 V -1 x 115 V - 1600 VA

ABL6TS160G

! Discontinued on: Mar 28, 2024

① To be discontinued

Main		
Range Of Product	Modicon Transformer Optimized	
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	115 V AC	
Secondary Winding	Single	
Protective Cover	Without	
Ambient Air Temperature For Operation	-2050 °C	
Complementary		
Input Voltage Limits	207253 V	

Complementary				
Input Voltage Limits	207253 V 360440 V			
Network Frequency Limits	4763 Hz			
Input Voltage Tolerance	+/- 15 V			
Efficiency	96 %			
Power Dissipation In W	66.7 W			
Output Sustained Overvoltage	2 % (no load, hot state)			
Maximum Voltage Drop At Rated Load	0.1 %			
No Load Losses	23.7 W			
Short-Circuit Voltage	0,0245			
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 to For input ground connection: screw type terminals, connection capacity AWG 11 For output connection: screw type terminals, connection capacity: 2 x 4 to For input ground connection: screw type terminals, connection capacity: 2 x 4 to For input ground connection: screw type terminals, connection capacity: 2 x 4 to For input ground connection: screw type terminals, connection capacity: 2 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection: screw type terminals, connection capacity: 5 x 4 to For input ground connection capacity: 5 x 4 to For input ground connection capacity: 5 x 4 t				
	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 %			
Operating Altitude	3000 m			

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Electrical Insulation Class	Class B
Width	174.0 mm
Height	169.0 mm
Depth	163.0 mm
Net Weight	20.07 kg

Environment

Product Certifications	UR EAC 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 61558-2-4		
Protective Treatment	TC		
Ambient Air Temperature For Storage	-4080 °C		
Overvoltage Category	Class I conforming to VDE 0106-1		
Dielectric Strength	2000 V between winding and ground 4000 V between primary and secondary		

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	30.400 cm
Package 1 Width	40.200 cm
Package 1 Length	40.200 cm
Package 1 Weight	21.566 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	92.876 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 >

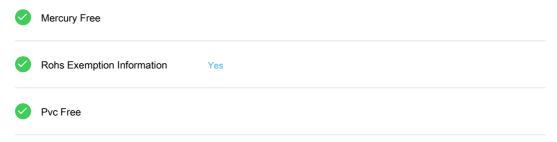
Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



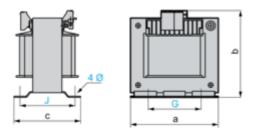
Certifications & Standards

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			

ABL6TS160G

Dimensions Drawings

Dimensions



Dimensions in mm

а	b	С	G	J	Ø
174	163	169	135	141	7

Dimensions in in.

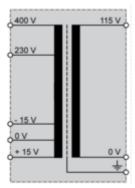
а	b	С	G	J	Ø
6.85	6.42	6.65	5.31	5.55	0.27

Product datasheet

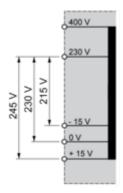
ABL6TS160G

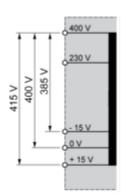
Connections and Schema

Internal Scheme



Primary Voltage Wiring





Secondary Voltage Wiring

