Product datasheet

Specifications





(!) Discontinued

voltage transformer - 230..400 V -1 x 24 V - 1600 VA

ABL6TS160B

- () Discontinued on: Oct 4, 2023
- (!) To be end-of-service on: Sep 3, 2026

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	24 V AC			
Secondary Winding	Single			
Protective Cover	Without			
Ambient Air Temperature For Operation	-2050 °C			

Complementary

Complementary						
Input Voltage Limits	360440 V 207253 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 %					
No Load Losses	23.7 W					
Short-Circuit Voltage	0,025					
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 mm ² AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 4 mm ² AWG 11 For output connection: screw type terminals, connection capacity: 2 x 16 mm ² 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 %					
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	231.0 mm
Net Weight	20.29 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			
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	30.000 cm
Package 1 Width	24.500 cm
Package 1 Length	27.500 cm
Package 1 Weight	21.060 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	92.740 kg

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

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

Mercury Free
Rohs Exemption Information Yes
Pvc Free

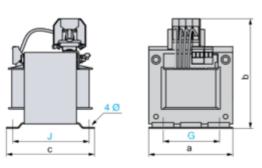
Certifications & Standards

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				

Product datasheet

Dimensions Drawings

Dimensions



Dimensions in mm

а	b	с	G	J	Ø
174	231	169	135	141	7

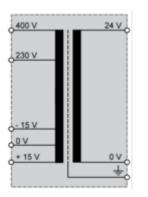
Dimensions in in.

а	b	с	G	J	Ø
6.85	9.09	6.65	5.31	5.55	0.27

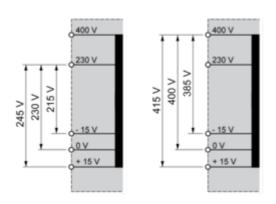
Product datasheet

Connections and Schema

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

