Product datasheet

Specification





voltage transformer - 230..400 V - 1 x 24 V - 2500 VA

ABL6TS250B

Main

Range Of Product	Modicon Transformer Optimized		
Product Or Component Type	Safety and isolation transformer		
Rated Power In Va	2500 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	207253 V 360440 V
Network Frequency Limits	4763 Hz
Input Voltage Tolerance	+/- 15 V
Efficiency	96 %
Power Dissipation In W	104.2 W
Output Sustained Overvoltage	2 % (no load, hot state)
Maximum Voltage Drop At Rated Load	0.5 %
No Load Losses	23.4 W
Short-Circuit Voltage	0,0285
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 ground connection: screw type terminals, connection capacity: 1 x 4 mm ² AWG 11 For input connection: screw type terminals, connection capacity: 8 x 4 mm ² AWG 11 For output connection: screw type terminals, connection capacity: 2 x 35 mm ² AWG 2
	CE
Fixing Mode	By 4 screws diameter: 10 mm on vertical panel, operating position: horizontal By 4 screws diameter: 10 mm on vertical panel, operating position: vertical By 4 screws diameter: 10 mm on horizontal panel with derating to 90 %
Operating Altitude	3000 m
Electrical Insulation Class	Class B

Width	196.0 mm
Height	147.0 mm
Depth	340.0 mm
Net Weight	26.50 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	тс
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	57 cm
Package 1 Width	60 cm
Package 1 Length	80 cm
Package 1 Weight	37.6 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

	Mercury Free	
	Rohs Exemption Information	Yes
⊘	Pvc Free	

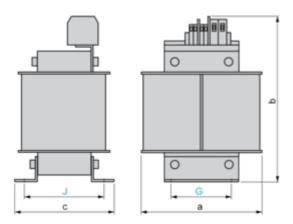
Certifications & Standards

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

ABL6TS250B

Dimensions Drawings

Dimensions



Dimensions in mm

2					
а	b	С	G	J	Ø
196	340	147	125	117	10

Dimensions in in.

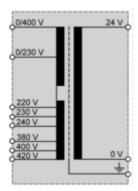
а	b	С	G	J	Ø
7.72	13.38	5.79	4.92	4.61	0.39

Product datasheet

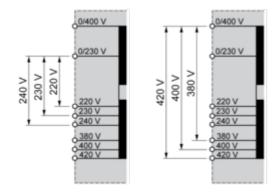
ABL6TS250B

Connections and Schema

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

