Product datasheet

Specifications

voltage transformer - 230..400 V - 1 x 24 V - 1000 VA

ABL6TS100B

Discontinued on: 31 May 2023

Discontinued

Main

Range Of Product	Modicon Transformer Optimized
Product Or Component Type	Safety and isolation transformer
Rated Power In Va	1000 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	-20…50 °C

Complementary

Input Voltage Limits	207...253 V 360...440 V
Network Frequency Limits	47…63 Hz
Input Voltage Tolerance	+/- 15 V
Efficiency	94 %
Power Dissipation In W	63.8 W
Output Sustained Overvoltage	3 % (no load, hot state)
Maximum Voltage Drop At Rated Load	0.3 %
No Load Losses	26.5 W
Short-Circuit Voltage	0,0293
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: 2 x 10 mm² AWG 6
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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Electrical Insulation Class	Class B
Width	174.0 mm
Height	148.0 mm
Depth	183.0 mm
Net Weight	14.02 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 61558-2-6
Protective Treatment	TC
Ambient Air Temperature For Storage	-40…80 °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	25.000 cm
Package 1 Width	31.000 cm
Package 1 Length	28.000 cm
Package 1 Weight	15.100 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	68.900 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 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

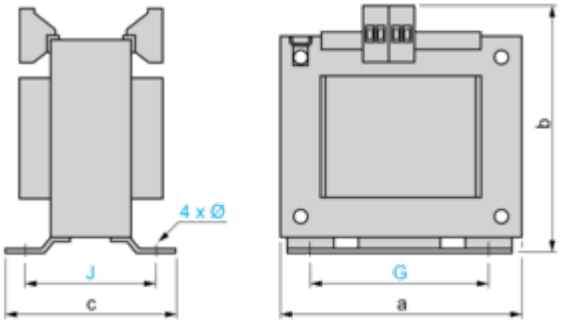
Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	

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

Dimensions Drawings

Dimensions



Dimensions in mm

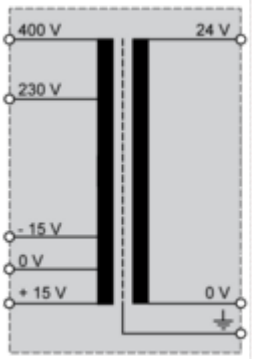
a	b	c	G	J	Ø
174	183	148	135	111.5	7

Dimensions in in.

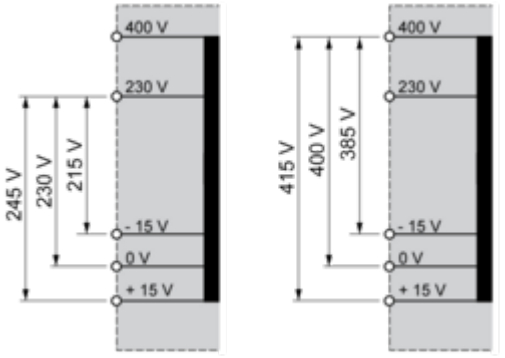
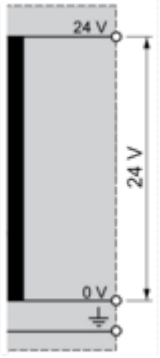
a	b	c	G	J	Ø
6.85	7.20	5.83	5.31	4.39	0.27

Connections and Schema

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring