Product datasheet





voltage transformer - 230..400 V -1 x 230 V - 630 VA

ABL6TS63U

- ! To be discontinued on: 01-Jun-2024
- ! To be end-of-service on: 01-Jun-2025

Main

Range Of Product	Modicon Transformer Optimized			
Product Or Component Type	Safety and isolation transformer			
Rated Power In Va	630 VA			
Input Voltage	230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2			
Output Voltage	230 V AC			
Secondary Winding	Single			
Protective Cover	Without			
Ambient Air Temperature For	-2050 °C			

Complementary

Install Mallage I that the	
Input Voltage Limits	360440 V
	207253 V
Network Frequency Limits	4763 Hz
Input Voltage Tolerance	+/- 15 V
Efficiency	93 %
Power Dissipation In W	47.4 W
Output Sustained Overvoltage	3 % (no load, hot state)
Maximum Voltage Drop At Rated Load	0.4 %
No Load Losses	18.9 W
Short-Circuit Voltage	0,0368
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 mm ²
	AWG 11
	For output connection: screw type terminals, connection capacity: 2 x 4 mm² AWG 11
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

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Electrical Insulation Class	Class B
Width	150.0 mm
Height	130.0 mm
Depth	144.0 mm
Net Weight	9.84 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 61558-2-4		
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 1000 V between primary and secondary		

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	26.500 cm
Package 1 Width	19.000 cm
Package 1 Length	23.000 cm
Package 1 Weight	10.317 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	15
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	167.755 kg

Contractual warranty

Warranty 18 months



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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency RoHS/REACh

Well-being performance



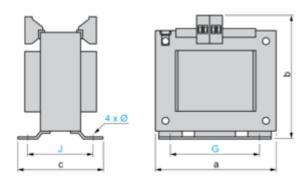
Certifications & Standards

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			

ABL6TS63U

Dimensions Drawings

Dimensions



Dimensions in mm

а	b	С	G	J	Ø
150	144	130	122	107.5	7

Dimensions in in.

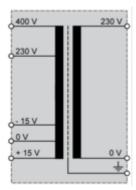
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а	b	С	G	J	Ø
5.90	5.67	5.12	4.80	4.23	0.27

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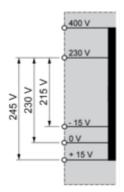
ABL6TS63U

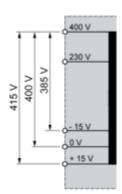
Connections and Schema

Internal Scheme



Primary Voltage Wiring





Secondary Voltage Wiring

