Product datasheet





voltage transformer - 230..400 V -1 x 24 V - 40 VA

ABL6TS04B

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

! To be discontinued

Main

Range Of Product	Modicon Transformer Optimized		
Product Or Component Type	Safety and isolation transformer		
Rated Power In Va	40 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	81 %			
Power Dissipation In W	9.4 W			
Output Sustained Overvoltage	11 % (no load, hot state)			
Maximum Voltage Drop At Rated Load	0.2 %			
No Load Losses	4.4 W			
Short-Circuit Voltage	0,1027			
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 4 mm² AWG 11			
Marking	CE			
Fixing Mode	By 4 screws diameter: 4.8 mm on vertical panel, operating position: horizontal			
	By 4 screws diameter: 4.8 mm on vertical panel, operating position: vertical			
	By clips (with mounting plate) on 35 mm symmetrical DIN rail			

By 4 screws diameter: 4.8 mm on horizontal panel with derating to 90 %

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Operating Altitude	3000 m
Electrical Insulation Class	Class B
Width	78.0 mm
Height	70.0 mm
Depth	91.0 mm
Net Weight	1.08 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	-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	18.500 cm
Package 1 Width	12.500 cm
Package 1 Length	15.000 cm
Package 1 Weight	1.270 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	60
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	89.200 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.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

Ø	Mercury Free	
	Rohs Exemption Information	Yes
⊘	Pvc Free	

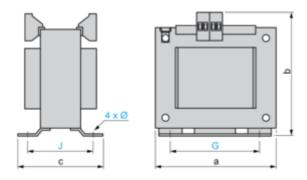
Certifications & Standards

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		

ABL6TS04B

Dimensions Drawings

Dimensions



Dimensions in mm

а	b	С	G	J	Ø
78	91	70	56	47.5	4.8

Dimensions in in.

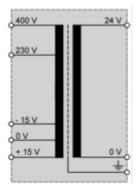
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а	b	С	G	J	Ø
3.07	3.58	2.76	2.20	1.87	0.19

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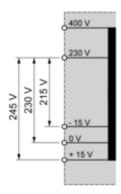
ABL6TS04B

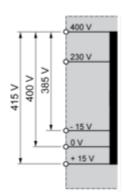
Connections and Schema

Internal Scheme



Primary Voltage Wiring





Secondary Voltage Wiring

