

Product datasheet

Specifications



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

ABL6TS04B

⚠ Discontinued on: 10 Feb 2023

⚠ To be end-of-service on: 1 Jun 2025

⚠ 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	-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	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 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 4 mm ² 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 %

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

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	-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	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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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-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)

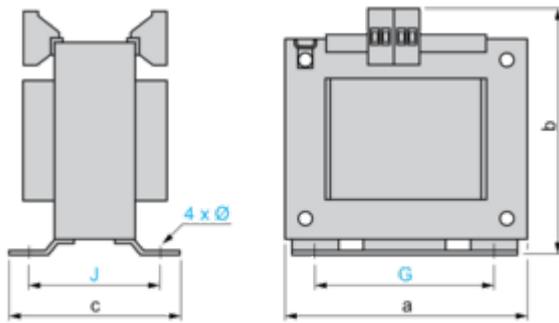
China Rohs Regulation [China RoHS declaration](#)

Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile No need of specific recycling operations
[Circularity Profile](#)

Dimensions Drawings

Dimensions



Dimensions in mm

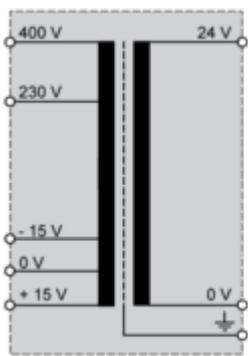
a	b	c	G	J	Ø
78	91	70	56	47.5	4.8

Dimensions in in.

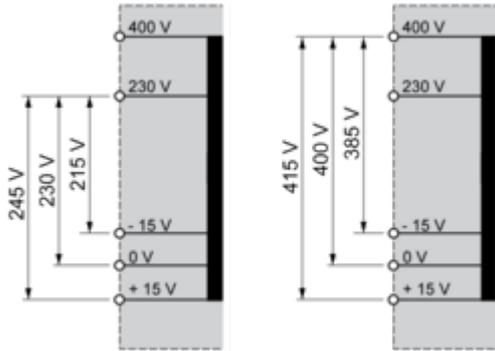
a	b	c	G	J	Ø
3.07	3.58	2.76	2.20	1.87	0.19

Connections and Schema

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

