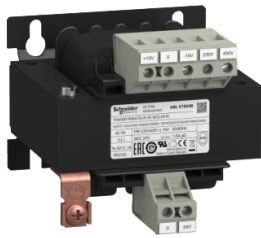


# Product datasheet

Specifications



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

ABL6TS04B

⚠ Discontinued on: 12 June 2024

⚠ 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 <sup>2</sup> AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 4 mm <sup>2</sup> AWG 11 For output connection: screw type terminals, connection capacity: 2 x 4 mm <sup>2</sup> 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 %

<b>Operating altitude</b>	3000 m
<b>Electrical insulation class</b>	Class B
<b>Width</b>	78.0 mm
<b>Height</b>	70.0 mm
<b>Depth</b>	91.0 mm
<b>Net weight</b>	1.08 kg

## Environment

<b>product certifications</b>	UR EAC DNV-GL
<b>Standards</b>	UL 506
<b>IP degree of protection</b>	IP20
<b>Environmental characteristic</b>	EMC conforming to EN 62041 Safety conforming to EN 61558-1 Safety conforming to EN 61558-2-6
<b>protective treatment</b>	TC
<b>Ambient air temperature for storage</b>	-40...80 °C
<b>Overvoltage category</b>	Class I conforming to VDE 0106-1
<b>Dielectric strength</b>	2000 V between winding and ground 4000 V between primary and secondary

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	18.500 cm
<b>Package 1 Width</b>	12.500 cm
<b>Package 1 Length</b>	15.000 cm
<b>Package 1 Weight</b>	1.270 kg
<b>Unit Type of Package 2</b>	P06
<b>Number of Units in Package 2</b>	60
<b>Package 2 Height</b>	75.000 cm
<b>Package 2 Width</b>	60.000 cm
<b>Package 2 Length</b>	80.000 cm
<b>Package 2 Weight</b>	89.200 kg

## Contractual warranty

<b>Warranty</b>	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-CO<sub>2</sub> 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

**Eu RoHS Directive** [Pro-active compliance \(Product out of EU RoHS legal scope\)](#)

**China RoHS Regulation** [China RoHS declaration](#)

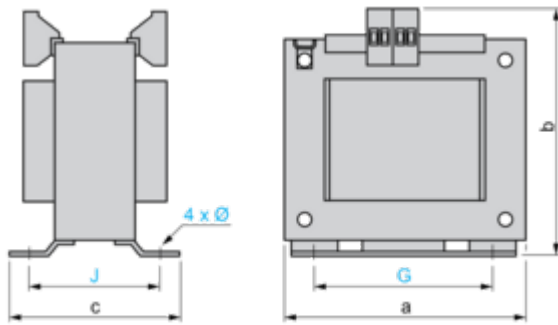
**Environmental Disclosure** [Product Environmental Profile](#)

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

Dimensions Drawings

Dimensions

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Dimensions in mm

a	b	c	G	J	Ø
78	91	70	56	47.5	4.8

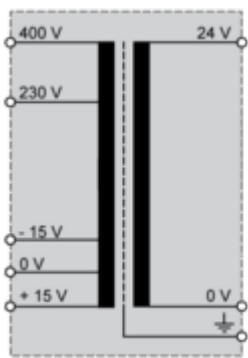
Dimensions in in.

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

## Connections and Schema

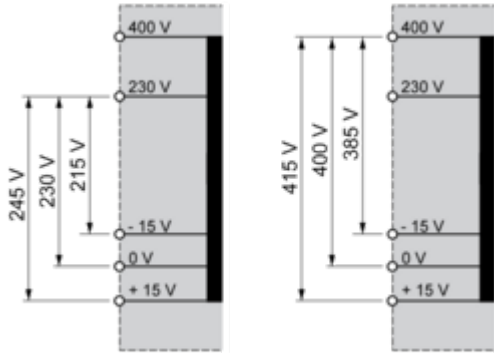
### Internal Scheme

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Primary Voltage Wiring

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Secondary Voltage Wiring

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Image of product / Alternate images

Alternative

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