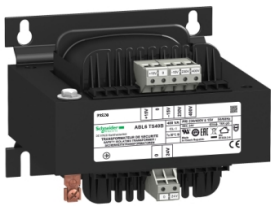


# Product data sheet

Specifications



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

ABL6TS40B

⚠ To be discontinued on: Dec 20, 2024

⚠ To be end-of-service on: Dec 20, 2025

⚠ To be discontinued

### Main

Range Of Product	Modicon Transformer Optimized
Product Or Component Type	Safety and isolation transformer
Rated Power In Va	400 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	360...440 V 207...253 V
Network Frequency Limits	47...63 Hz
Input Voltage Tolerance	+/- 15 V
Efficiency	92 %
Power Dissipation In W	34.8 W
Output Sustained Overvoltage	4 % (no load, hot state)
Maximum Voltage Drop At Rated Load	0.7 %
No Load Losses	12.4 W
Short-Circuit Voltage	0,045
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: 5.8 mm on vertical panel, operating position: horizontal By 4 screws diameter: 5.8 mm on vertical panel, operating position: vertical By 4 screws diameter: 5.8 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	135.0 mm
Height	120.0 mm
Depth	136.0 mm
Net Weight	6.31 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 61558-2-6
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	26.500 cm
Package 1 Width	19.000 cm
Package 1 Length	23.000 cm
Package 1 Weight	6.834 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	115.510 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-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](#)

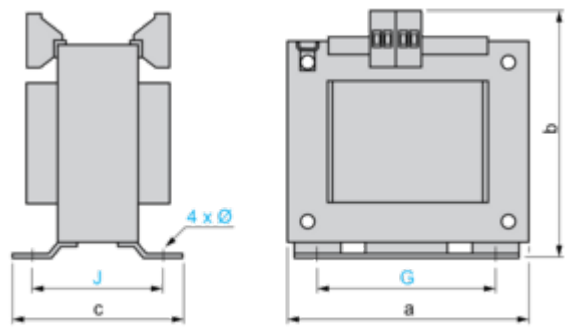
✓ Pvc Free

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations <a href="#">Circularity Profile</a>
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Dimensions Drawings

Dimensions



Dimensions in mm

a	b	c	G	J	Ø
135	136	120	104	87	5.8

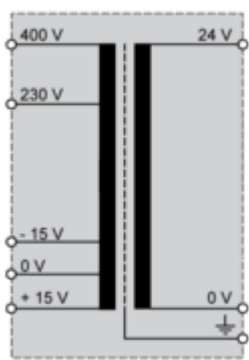
Dimensions in in.

a	b	c	G	J	Ø
5.31	5.35	4.72	4.09	3.42	0.23

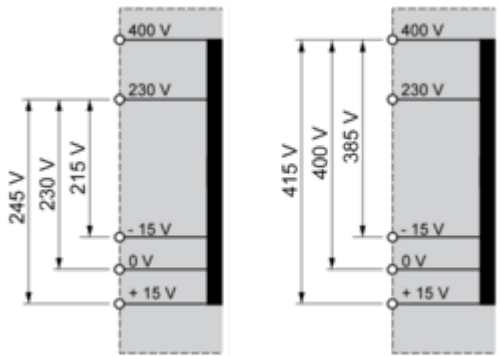
Connections and Schema

Internal Scheme

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Primary Voltage Wiring



Secondary Voltage Wiring

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