

Product datasheet

Specifications



voltage transformer - 230..400 V - 1 x 24 V - 2500 VA

ABL6TS250B

⚠ To be discontinued on: 31-Dec-2025

⚠ To be end-of-service on: 31-Dec-2026

⚠ Discontinued

Main

Range of product	Modicon Transformer Optimized
Product or component type	Safety and isolation transformer
Rated power in VA	2500 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	96 %
Power dissipation in W	104.2 W
Output sustained overvoltage	2 % (no load, hot state)
Maximum voltage drop at rated load	0.5 %
No load losses	23.4 W
Short-circuit voltage	0,0285
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 ground connection: screw type terminals, connection capacity: 1 x 4 mm² AWG 11 For input connection: screw type terminals, connection capacity: 8 x 4 mm² AWG 11 For output connection: screw type terminals, connection capacity: 2 x 35 mm² AWG 2
Marking	CE
Fixing mode	By 4 screws diameter: 10 mm on vertical panel, operating position: horizontal By 4 screws diameter: 10 mm on vertical panel, operating position: vertical By 4 screws diameter: 10 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	196.0 mm
Height	147.0 mm
Depth	340.0 mm
Net weight	26.50 kg

Environment

Product certifications	EAC UR DNV-GL
Standards	UL 506
IP degree of protection	IP20
Environmental characteristic	EMC conforming to IEC 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	57 cm
Package 1 Width	60 cm
Package 1 Length	80 cm
Package 1 Weight	37.6 kg

Contractual warranty

Warranty	18 months
----------	-----------

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

How this information helps you >

Environmental footprint

Environmental Disclosure

[Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard

No

Packaging without single use plastic

No

EU RoHS Directive

Pro-active compliance
(Product out of EU RoHS legal scope)

SCIP Number

93c35204-c30d-4a1c-be25-b7657ea12b91

REACH Regulation

[REACH Declaration](#)

China RoHS Regulation

[China RoHS declaration](#)

PVC free

Yes

Use Again

Repack and remanufacture

Circularity Profile

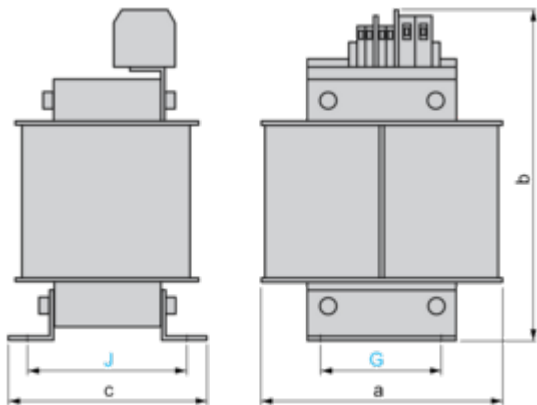
[No need of specific recycling operations](#)

Take-back

No

Dimensions Drawings

Dimensions



Dimensions in mm

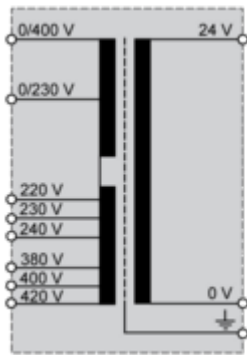
a	b	c	G	J	Ø
196	340	147	125	117	10

Dimensions in in.

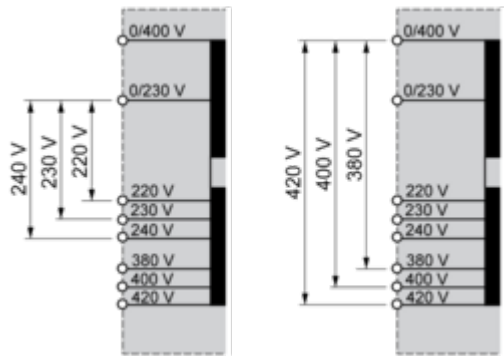
a	b	c	G	J	Ø
7.72	13.38	5.79	4.92	4.61	0.39

Connections and Schema

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

