Product datasheet

Specifications

voltage transformer - 230..400 V - 1 x 24 V - 250 VA

ABL6TS25B

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	250 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	90 %
Power dissipation in W	27.8 W
Output sustained overvoltage	6 % (no load, hot state)
Maximum voltage drop at rated load	0.1 %
No load losses	12.5 W
Short-circuit voltage	0,0551
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: 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

Electrical insulation class	Class B
width	120.0 mm
Height	93.0 mm
Depth	122.0 mm
Net weight	4.12 kg

Environment

Product certifications	UR EAC 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	20.000 cm
Package 1 Width	20.000 cm
Package 1 Length	25.000 cm
Package 1 Weight	4.363 kg
Unit Type of Package 2	P06
Number of Units in Package 2	30
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	142.960 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

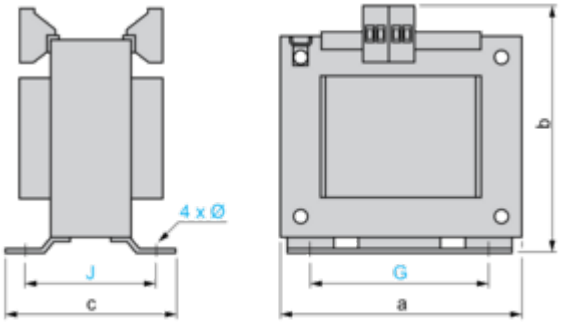
Repack and remanufacture

Circularity Profile	No need of specific recycling operations

Take-back	**No**

Dimensions Drawings

Dimensions



Dimensions in mm

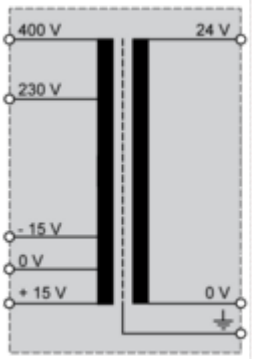
a	b	c	G	J	Ø
120	122	93	90	74.5	5.8

Dimensions in in.

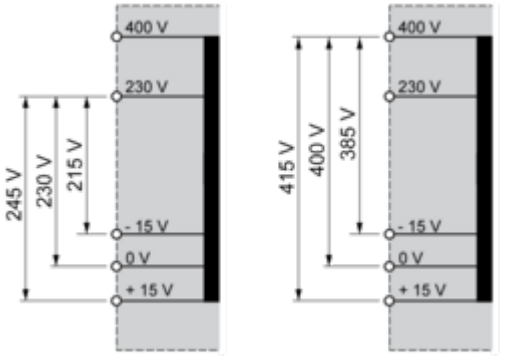
a	b	c	G	J	Ø
4.72	4.80	3.66	3.54	2.93	0.23

Connections and Schema

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring