

# Product data sheet

## Characteristics

# ABL6TS250B

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



### Main

Range of product	Modicon 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: external Against overvoltage, protection technology: external Against short-circuits, protection technology: external
Connections - terminals	For input ground connection: screw type terminals, connection capacity: 1 x 4 mm <sup>2</sup> AWG 11 For input connection: screw type terminals, connection capacity: 8 x 4 mm <sup>2</sup> AWG 11 For output connection: screw type terminals, connection capacity: 2 x 35 mm <sup>2</sup> 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
Electrical insulation class	Class B
Width	198 mm
Height	322 mm
Depth	145 mm
Net weight	27.4 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

Product certifications	EAC UR
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 Weight	37.86 kg
Package 1 Height	40 cm
Package 1 width	40 cm
Package 1 Length	60 cm

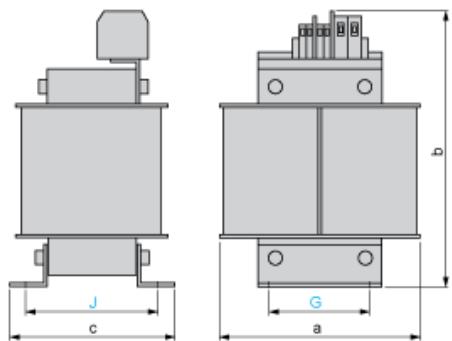
## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
PVC free	Yes

## Contractual warranty

Warranty	18 months
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Dimensions



Dimensions in mm.

a	b	c	G	J	Ø
198	335	145	125	117	10

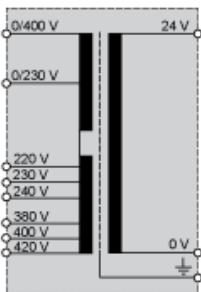
Dimensions in in.

a	b	c	G	J	Ø
7.79	13.19	5.71	4.92	4.61	0.39

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### Internal Scheme

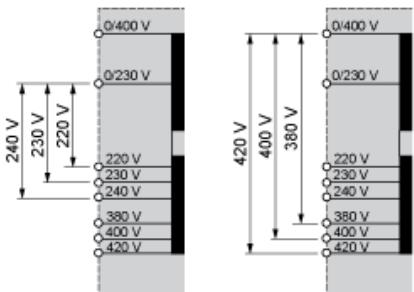
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### Primary Voltage Wiring

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### Secondary Voltage Wiring

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