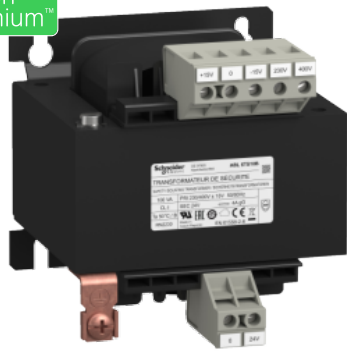


# Product data sheet

Specifications



## voltage transformer - 230..400 V - 1 x 24 V - 100 VA

ABL6TS10B

! To be discontinued on: 01 June 2023

! To be end-of-service on: 01 June 2025

! To be discontinued

### Main

Range of product	Modicon Transformer Optimized
Product or component type	Safety and isolation transformer
Rated power in VA	100 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	86 %
Power dissipation in W	16.3 W
Output sustained overvoltage	9 % (no load, hot state)
Maximum voltage drop at rated load	0 %
No load losses	7.1 W
Short-circuit voltage	0,0786
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>	84.0 mm
<b>Height</b>	87.0 mm
<b>Depth</b>	95.0 mm
<b>Net weight</b>	2.05 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>	14.000 cm
<b>Package 1 Width</b>	12.500 cm
<b>Package 1 Length</b>	18.500 cm
<b>Package 1 Weight</b>	2.218 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>	146.440 kg

## Offer Sustainability

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

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<b>PVC free</b>	Yes
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<b>California proposition 65</b>	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>
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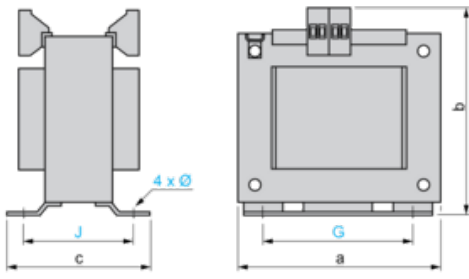
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## **Contractual warranty**

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<b>Warranty</b>	18 months
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**Dimensions**



Dimensions in mm

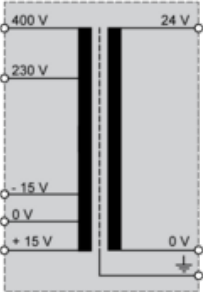
a	b	c	G	J	Ø
84	95	87	64	65.5	4.8

Dimensions in in.

a	b	c	G	J	Ø
3.31	3.74	3.42	2.52	2.58	0.19

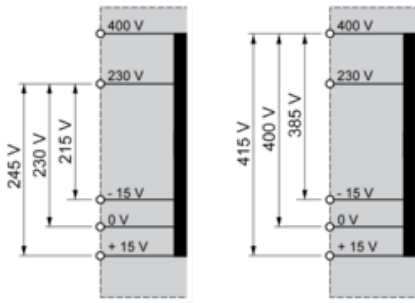
**Internal Scheme**

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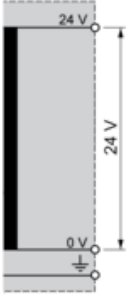
## Primary Voltage Wiring

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**Secondary Voltage Wiring**

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**Recommended replacement(s)**