# **Product datasheet**





# voltage transformer - 230..400 V -1 x 24 V - 25 VA

ABL6TS02B

! Discontinued on: 8 May 2023

① To be discontinued

#### Main

Range Of Product	Modicon Transformer Optimized			
Product Or Component Type	Type Safety and isolation transformer			
Rated Power In Va	25 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	-2050 °C			

Complementary	
Input Voltage Limits	360440 V 207253 V
Network Frequency Limits	4763 Hz
Input Voltage Tolerance	+/- 15 V
Efficiency	79 %
Power Dissipation In W	6.6 W
Output Sustained Overvoltage	15 % (no load, hot state)
Maximum Voltage Drop At Rated Load	0.3 %
No Load Losses	3 W
Short-Circuit Voltage	0,1352
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: 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 %

Operating Altitude	3000 m
Electrical Insulation Class	Class B
Width	66.0 mm
Height	65.0 mm
Depth	81.0 mm
Net Weight	0.72 kg

## **Environment**

Product Certifications	EAC UR DNV-GL	
Standards	UL 506	
Ip Degree Of Protection	IP20	
<b>Environmental Characteristic</b>	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	-4080 °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	18.0 cm
Package 1 Width	14.1 cm
Package 1 Length	12.5 cm
Package 1 Weight	945.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	5
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.213 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	60
Package 3 Height	73.5 cm
Package 3 Width	80.0 cm
Package 3 Length	60.0 cm
Package 3 Weight	69.76 kg

# **Contractual warranty**

Warranty 18 months



**Green Premium**<sup>TM</sup> **label** is Schneider Electric's commitment to delivering products with best-inclass 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
<b>⊘</b>	Pvc Free	

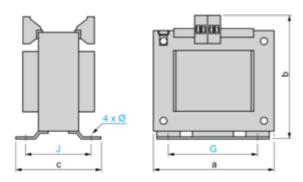
#### **Certifications & Standards**

Reach Regulation	REACh Declaration		
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)		
China Rohs Regulation	China RoHS declaration		
Environmental Disclosure	Product Environmental Profile		
Circularity Profile	No need of specific recycling operations  Circularity Profile		

## ABL6TS02B

### **Dimensions Drawings**

### **Dimensions**



#### Dimensions in mm

а	b	С	G	J	Ø
66	81	65	50	42	4.8

#### Dimensions in in.

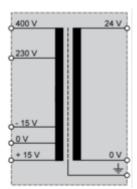
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а	b	С	G	J	Ø
2.60	3.19	2.56	1.97	1.65	0.19

# **Product datasheet**

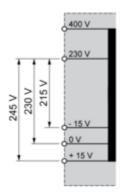
## ABL6TS02B

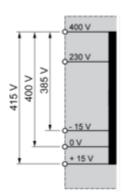
Connections and Schema

### Internal Scheme



### Primary Voltage Wiring





## Secondary Voltage Wiring

