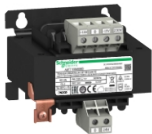


# Product datasheet

Specifications



## voltage transformer - 230 V - 1 x 24 V - 63 VA

ABT7ESM006B

Discontinued on: Mar 28, 2024

To be discontinued

### Main

Range Of Product	Modicon Transformer Economic
Product Or Component Type	Safety and isolation transformer
Rated Power In Va	63 VA
Input Voltage	230 V AC phase to phase, terminal(s): L1-L2 230 V AC single phase, terminal(s): N-L1
Output Voltage	24 V AC
Secondary Winding	Single
Protective Cover	Without
Ambient Air Temperature For Operation	-20...40 °C

### Complementary

Input Voltage Limits	207...253 V
Network Frequency Limits	47...63 Hz
Input Voltage Tolerance	+/- 15 V
Efficiency	82 %
Power Dissipation In W	13.8 W
Voltage Variation At Nominal Load	0,116 at 230 V
Output Sustained Overvoltage	0,136 (no load, hot state)
Maximum Voltage Drop At Rated Load	14.13 %
No Load Losses	5.7 W
Short-Circuit Voltage	0,133
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: 4 x 2.5...4 x 4 mm <sup>2</sup> AWG 14...AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 2.5...1 x 4 mm <sup>2</sup> AWG 14...AWG 11 For output connection: screw type terminals, connection capacity: 2 x 2.5...2 x 4 mm <sup>2</sup> AWG 14...AWG 11
Marking	CE

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Fixing Mode	By 4 screws diameter: 5 mm on vertical panel, operating position: vertical By 4 screws diameter: 5 mm on horizontal panel with derating to 90 %, operating position: horizontal By clips (with mounting plate) on 35 mm symmetrical DIN rail By 4 screws diameter: 5 mm on vertical panel
Operating Altitude	3000 m
Electrical Insulation Class	Class B
Width	79.0 mm
Height	70.0 mm
Depth	91.0 mm
Net Weight	1.15 kg

## Environment

Product Certifications	EAC DNV-GL
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
Ambient Air Temperature For Storage	-40...80 °C
Relative Humidity	0...95 % during operation
Overvoltage Category	Class I conforming to VDE 0106-1
Dielectric Strength	3200 V between input and ground 3200 V between output and ground 5100 V between input and output

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	18.200 cm
Package 1 Width	12.500 cm
Package 1 Length	14.800 cm
Package 1 Weight	1.347 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	57
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	88.696 kg

## Contractual warranty

Warranty	18 months
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Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class 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

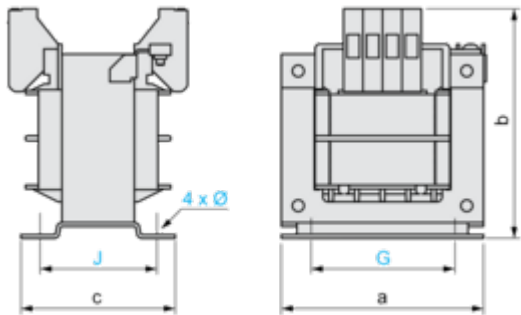
 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
 Pvc Free	

Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations <a href="#">Circularity Profile</a>

Dimensions Drawings

Dimensions



Dimensions in mm

a	b	c	G	J	Ø
79	91	70	56	48	4.8

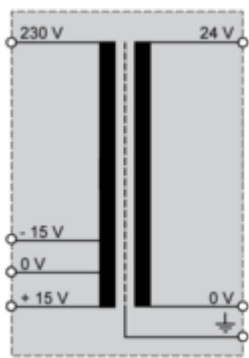
Dimensions in in.

a	b	c	G	J	Ø
3.11	3.58	2.76	2.20	1.89	0.19

Connections and Schema

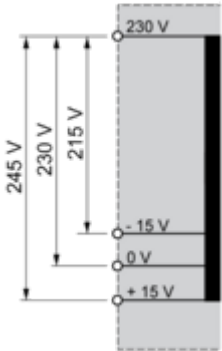
Internal Scheme

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Primary Voltage Wiring

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Secondary Voltage Wiring

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