Product datasheet





voltage transformer - 230 V - 1 x 24 V - 40 VA

ABT7ESM004B

! Discontinued on: Mar 28, 2024

① To be discontinued

Main

IVIAIII	
Range Of Product	Modicon Transformer Economic
Product Or Component Type	Safety and isolation transformer
Rated Power In Va	40 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	-2040 °C
Complementary	
Input Voltage Limits	207253 V

Complementary	
Input Voltage Limits	207253 V
Network Frequency Limits	4763 Hz
Input Voltage Tolerance	+/- 15 V
Efficiency	74 %
Power Dissipation In W	14.1 W
Voltage Variation At Nominal Load	0,135 at 230 V
Output Sustained Overvoltage	0,155 (no load, hot state)
Maximum Voltage Drop At Rated Load	15.8 %
No Load Losses	3.8 W
Short-Circuit Voltage	16 %
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 2.54 x 4 mm² AWG 14AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 2.51 x 4 mm² AWG 14AWG 11 For output connection: screw type terminals, connection capacity: 2 x 2.52 x 4 mm² AWG 14AWG 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.

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	1.04 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	-4080 °C
Relative Humidity	095 % 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	18.000 cm
Package 1 Width	12.600 cm
Package 1 Length	14.800 cm
Package 1 Weight	1.243 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	83.053 kg

Contractual warranty

Warranty 18 months



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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

②	Mercury Free	
	Rohs Exemption Information	Yes
	Pvc Free	

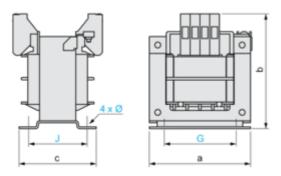
Certifications & Standards

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			

ABT7ESM004B

Dimensions Drawings

Dimensions



Dimensions in mm

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79	91	70	56	48	4.8

Dimensions in in

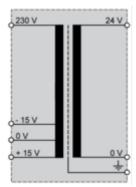
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3.11	3.58	2.76	2.20	1.89	0.19

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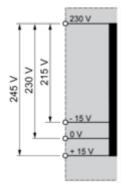
Connections and Schema

Internal Scheme



ABT7ESM004B

Primary Voltage Wiring



Secondary Voltage Wiring

