# **Product datasheet**

Specifications





# voltage transformer - 230 V - 1 x 24 V - 320 VA

ABT7ESM032B

# Main

Range Of Product	Modicon Transformer Economic		
Product Or Component Type	nent Type Safety and isolation transformer		
Rated Power In Va	320 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

Complementary	
Input Voltage Limits	207253 V
Network Frequency Limits	4763 Hz
Input Voltage Tolerance	+/- 15 V
Efficiency	89 %
Power Dissipation In W	39.6 W
Voltage Variation At Nominal Load	5.08 % at 230 V
Output Sustained Overvoltage	0,061 (no load, hot state)
Maximum Voltage Drop At Rated Load	6.5 %
No Load Losses	16.7 W
Short-Circuit Voltage	0,062
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
Fixing Mode	By 4 screws diameter: 5 mm on vertical panel, operating position: horizontal 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 Altitude	3000 m
Electrical Insulation Class	Class B
Width	120.0 mm
Height	93.0 mm
Depth	122.0 mm
Net Weight	4.10 kg

# **Environment**

<b>Product Certifications</b>	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
	- Caloty comming to Ent 0 1000 E 0
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	25.500 cm
Package 1 Width	15.000 cm
Package 1 Length	18.500 cm
Package 1 Weight	4.417 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	22
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	110.328 kg

# **Contractual warranty**

Warranty 12 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	

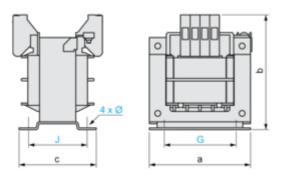
#### **Certifications & Standards**

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		

# ABT7ESM032B

# **Dimensions Drawings**

# **Dimensions**



#### Dimensions in mm

а	b	С	G	J	Ø
120	122	93	90	75	5.8

#### Dimensions in in.

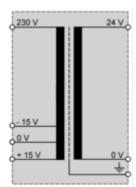
Billionolone in in.					
а	b	С	G	J	Ø
4.72	4.80	3.66	3.54	2.95	0.23

# **Product datasheet**

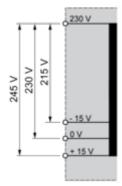
# ABT7ESM032B

Connections and Schema

# Internal Scheme



# Primary Voltage Wiring



# **Secondary Voltage Wiring**

