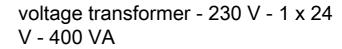
Disclaimer. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications





ABT7ESM040B

- ! Discontinued on: 01-Jun-2024
- ! To be end-of-service on: 01-Jun-2025

① Discontinued

Main

Range of product	Modicon Transformer Economic Safety and isolation transformer			
Product or component type				
Rated power in VA	400 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	90 %
Power dissipation in W	44.4 W
Voltage variation at nominal load	0,0429 at 230 V
Output sustained overvoltage	5 % (no load, hot state)
Maximum voltage drop at rated load	5.75 %
No load losses	19.3 W
Short-circuit voltage	0,055
Output protection type Against overload, protection technology: with additional protection fuse breakers in Selection of Protection Against overvoltage, protection technology: with additional protection breakers in Selection of Protection Against short-circuits, protection technology: with additional protection 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	104.0 mm		
Depth	122.0 mm		
Net weight	5.12 kg		

Environment

Product certifications	EAC DNV-GL	
IP degree of protection	IP20	
Environmental characteristic	EMC conforming to IEC 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	25.500 cm
Package 1 Width	18.500 cm
Package 1 Length	14.800 cm
Package 1 Weight	5.430 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	132.460 kg

Contractual warranty

Warranty 18 months

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

How this information helps you >

⊘ Environmental footprint	
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	93c35204-c30d-4a1c-be25- b7657ea12b91
REACh Regulation	REACh Declaration
China RoHS Regulation	China RoHS declaration
PVC free	Yes

Use Again

○ Repack and remanufacture	
Circularity Profile	No need of specific recycling operations

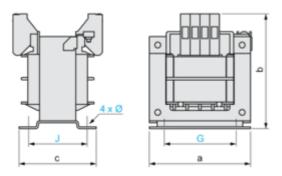
Take-back

No

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Dimensions Drawings

Dimensions



Dimensions in mm

а	b	С	G	J	Ø
120	122	104	90	86	5.8

Dimensions in in.

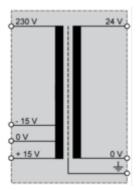
Difficiono in in.					
а	b	С	G	J	Ø
4.72	4.80	4.09	3.54	3.39	0.23

Product datasheet

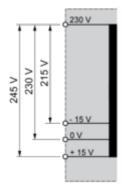
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Connections and Schema

Internal Scheme



Primary Voltage Wiring



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Secondary Voltage Wiring

