

Product datasheet

Specifications



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



Local distributor code: 389706818 ABT7ESM004B

Main

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 -20...40 °C

Complementary

Input voltage limits 207...253 V

Network frequency limits 47...63 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 2.5...4 x 4 mm² AWG 14...AWG 11
For input ground connection: screw type terminals, connection capacity: 1 x 2.5...1 x 4 mm² AWG 14...AWG 11
For output connection: screw type terminals, connection capacity: 2 x 2.5...2 x 4 mm² AWG 14...AWG 11

Marking CE

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	-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 Weight	1.21 kg
Package 1 Height	12.6 cm
Package 1 width	14.8 cm
Package 1 Length	18 cm
Unit Type of Package 2	P06
Number of Units in Package 2	57
Package 2 Weight	83.053 kg
Package 2 Height	73.5 cm
Package 2 width	80 cm
Package 2 Length	60 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile

PVC free

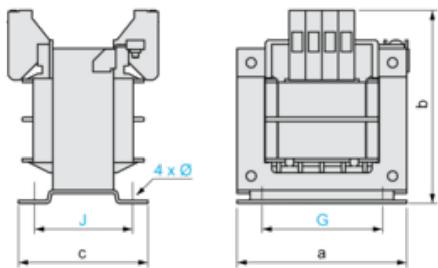
Yes

Contractual warranty

Warranty

18 months

Dimensions



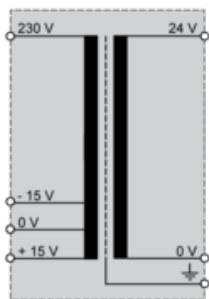
Dimensions in mm

a	b	c	G	J	Ø
79	91	70	56	48	4.8

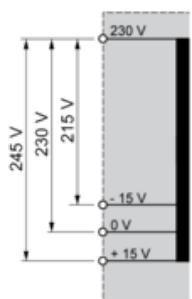
Dimensions in in.

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

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

