

# Product datasheet

Specifications



## voltage transformer - 230..400 V - 1 x 12 V - 63 VA

ABL6TS06J

### Main

Range of product	Modicon Transformer Optimized
Product or component type	Safety and isolation transformer
Rated power in VA	63 VA
Input voltage	230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2
Output voltage	12 V AC
Secondary winding	Single
Protective cover	Without
Ambient air temperature for operation	-20...50 °C

### Complementary

Input voltage limits	207...253 V 360...440 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	84 %
Power dissipation in W	12 W
Output sustained overvoltage	9 % (no load, hot state)
Maximum voltage drop at rated load	1.3 %
No load losses	5.3 W
Short-circuit voltage	0,0963
Output protection type	Against overload, protection technology: external Against overvoltage, protection technology: external Against short-circuits, protection technology: external
Connections - terminals	For input connection: screw type terminals, connection capacity: 5 x 4 mm <sup>2</sup> AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 4 mm <sup>2</sup> AWG 11 For output connection: screw type terminals, connection capacity: 2 x 4 mm <sup>2</sup> AWG 11
Marking	CE
Fixing mode	By 4 screws diameter: 4.8 mm on vertical panel, operating position: horizontal By 4 screws diameter: 4.8 mm on vertical panel, operating position: vertical By clips (with mounting plate) on 35 mm symmetrical DIN rail By 4 screws diameter: 4.8 mm on horizontal panel with derating to 90 %
Operating altitude	3000 m

Electrical insulation class	Class B
Width	78.0 mm
Height	79.0 mm
Depth	91.0 mm
Net weight	1.45 kg

## Environment

Product certifications	UR EAC DNV-GL
Standards	UL 506
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
Protective treatment	TC
Ambient air temperature for storage	-40...80 °C
Overvoltage category	Class I conforming to VDE 0106-1
Dielectric strength	2000 V between winding and ground 4000 V between primary and secondary

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	1.643 kg
Package 1 Height	12.5 cm
Package 1 width	15 cm
Package 1 Length	18.5 cm
Unit Type of Package 2	S04
Number of Units in Package 2	5
Package 2 Weight	9.198 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 cm
Package 3 Height	77 cm

## Offer Sustainability

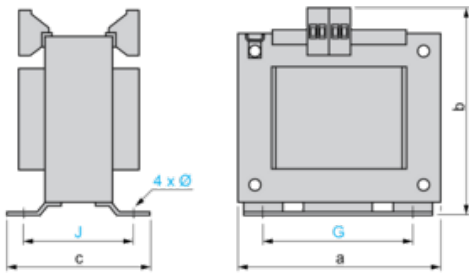
Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
PVC free	Yes

# Contractual warranty

Warranty

18 months

**Dimensions**



Dimensions in mm

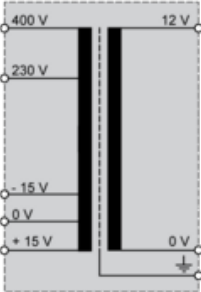
a	b	c	G	J	Ø
78	90	80	56	56	4.8

Dimensions in in.

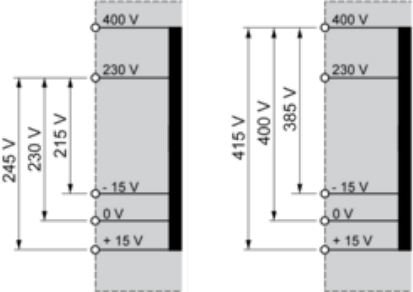
a	b	c	G	J	Ø
3.07	3.54	3.15	2.20	2.20	0.19

**Internal Scheme**

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Primary Voltage Wiring



**Secondary Voltage Wiring**

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