Product data sheet
Characteristics

ABL6TS63G
voltage transformer - 230..400 V - 1 x 115 V - 630 VA

Main

Range of product	Modicon Transformer Optimized
Product or component type	Safety and isolation transformer
Rated power in VA	630 VA
Input voltage	230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2
Output voltage	115 V AC
Secondary winding	Single
Protective cover	Without
Ambient air temperature for operation	-20…50 °C

Complementary

Input voltage limits	360...440 V 207...253 V
Network frequency limits	47…63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	93 %
Power dissipation in W	47.4 W
Output sustained overvoltage	3 % (no load, hot state)
Maximum voltage drop at rated load	0.3 %
No load losses	18.9 W
Short-circuit voltage	0,0347
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: 5 x 4 mm² AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 4 mm² AWG 11 For output connection: screw type terminals, connection capacity: 2 x 4 mm² AWG 11
Marking	CE
Fixing mode	By 4 screws diameter: 7 mm on vertical panel, operating position: horizontal By 4 screws diameter: 7 mm on vertical panel, operating position: vertical By 4 screws diameter: 7 mm on horizontal panel with derating to 90 %
Operating altitude	3000 m
Electrical insulation class	Class B
Width	150.0 mm
Height	130.0 mm
Depth	144.0 mm
Net weight	9.64 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Environment

Product certifications	EAC UR 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 61558-2-4
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 Height	26.000 cm
Package 1 Width	19.000 cm
Package 1 Length	23.000 cm
Package 1 Weight	10.153 kg
Unit Type of Package 2	P06
Number of Units in Package 2	15
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	166.480 kg

Offer Sustainability

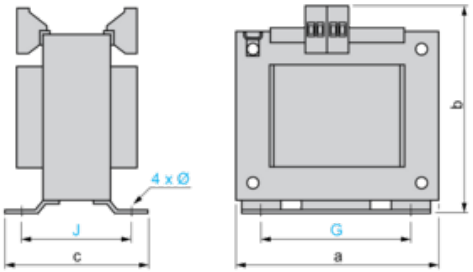
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product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

Contractual warranty

Warranty	18 months

ABL6TS63G

Dimensions



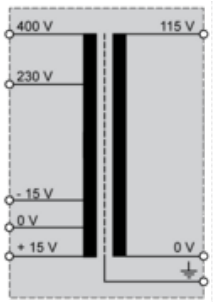
Dimensions in mm

a	b	c	G	J	Ø
150	144	130	122	107.5	7

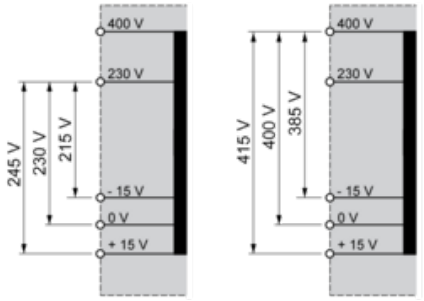
Dimensions in in.

a	b	c	G	J	Ø
5.90	5.67	5.12	4.80	4.23	0.27

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring