Product data sheet
Characteristics

ABL6TS63B
voltage transformer - 230..400 V - 1 x 24 V - 630 VA



Commercial status
End of Commercialisation : OCT 17, 2024

⚠ End of Commercialisation

Main

Range of product	Modicon Transformer Optimized
Rated power in VA	630 VA
Product or component type	Safety and isolation transformer
Input voltage	230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2
Output voltage	24 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	0.5 %
No load losses	18.9 W
Short-circuit voltage	0,0341
Output protection type	Against overload, protection technology: with additional protection fuses or circuit-breakers in S Against overvoltage, protection technology: with additional protection fuses or circuit-breakers Against short-circuits, protection technology: with additional protection fuses or circuit-breakers
Connections - terminals	For input connection: screw type terminals, connection capacity: 5 x 4 mm² 11 AWG For input ground connection: screw type terminals, connection capacity: 1 x 4 mm² 11 AWG For output connection: screw type terminals, connection capacity: 2 x 10 mm² 6 AWG
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	138.0 Mm
Depth	147.0 Mm
Net weight	9.76 Kg

Environment

Product certifications	EAC[RETURN]UR[RETURN]DNV-GL
Standards	UL 506
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
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	26.500 Cm
Package 1 Width	22.500 Cm
Package 1 Length	19.000 Cm
Package 1 Weight	10.295 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	167.425 Kg

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
Environmental Disclosure	Product Environmental Profile
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	93c35204-c30d-4a1c-be25-b7657ea12b91
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
PVC free	Yes
End of life manual availability	No need of specific recycling operations Circularity Profile
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commercialisation