Product datasheet

Specifications





voltage transformer - 230..400 V - 1 x 230 V - 100 VA

ABL6TS10U

- ! To be discontinued on: 01-Jun-2024
- ! To be end-of-service on: 20-Dec-2025

(!) Discontinued

Main

| Range Of Product | Modicon Transformer Optimized | | | | |
|---------------------------------------|--|--|--|--|--|
| Product Or Component Type | Safety and isolation transformer | | | | |
| Rated Power In Va | 100 VA | | | | |
| Input Voltage | 230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2 | | | | |
| Output Voltage | 230 V AC | | | | |
| Secondary Winding | Single | | | | |
| Protective Cover | Without | | | | |
| Ambient Air Temperature For Operation | -2050 °C | | | | |

Complementary

| Complementary | |
|------------------------------------|---|
| Input Voltage Limits | 207253 V 360440 V |
| Network Frequency Limits | 4763 Hz |
| Input Voltage Tolerance | +/- 15 V |
| Efficiency | 86 % |
| Power Dissipation In W | 16.3 W |
| Output Sustained Overvoltage | 9 % (no load, hot state) |
| Maximum Voltage Drop At Rated Load | 0.6 % |
| No Load Losses | 7.1 W |
| Short-Circuit Voltage | 0,0832 |
| 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: 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 %

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| Operating Altitude | 3000 m |
|-----------------------------|---------|
| Electrical Insulation Class | Class B |
| Width | 84.0 mm |
| Height | 86.0 mm |
| Depth | 94.0 mm |
| Net Weight | 1.99 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 61558-2-4 | |
| Protective Treatment | TC | |
| Ambient Air Temperature For Storage | -4080 °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 | 18.500 cm |
| Package 1 Width | 12.500 cm |
| Package 1 Length | 15.000 cm |
| Package 1 Weight | 2.186 kg |
| Unit Type Of Package 2 | P06 |
| Number Of Units In Package 2 | 60 |
| Package 2 Height | 75.000 cm |
| Package 2 Width | 60.000 cm |
| Package 2 Length | 80.000 cm |
| Package 2 Weight | 141.880 kg |

Contractual warranty

Warranty 18 months



Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



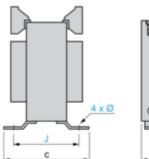
Certifications & Standards

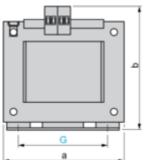
| Reach Regulation | REACh Declaration | | | | |
|---------------------------------|---|--|--|--|--|
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) | | | | |
| China Rohs Regulation | China RoHS declaration | | | | |
| Environmental Disclosure | Product Environmental Profile | | | | |
| Circularity Profile | No need of specific recycling operations Circularity Profile | | | | |

ABL6TS10U

Dimensions Drawings

Dimensions





Dimensions in mm

| 2 | | | | | | | |
|----|----|----|----|------|-----|--|--|
| а | b | С | G | J | Ø | | |
| 84 | 94 | 86 | 64 | 65.5 | 4.8 | | |

Dimensions in in.

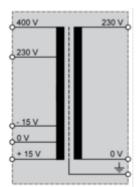
| Billionolono ili ili. | | | | | | |
|-----------------------|------|------|------|------|------|--|
| а | b | С | G | J | Ø | |
| 3.31 | 3.70 | 3.39 | 2.52 | 2.58 | 0.19 | |

Product datasheet

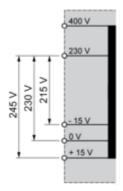
ABL6TS10U

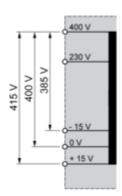
Connections and Schema

Internal Scheme



Primary Voltage Wiring





Secondary Voltage Wiring

