# Product datasheet

Specifications

Green Premium™

## voltage transformer - 230..400 V - 1 x 230 V - 1600 VA

Local distributor code:

394178965 ABL6TS160U

To be discontinued on: 30 May 2024

To be end-of-service on: 30 May 2025

To be discontinued

**EAN Code: 3389110880342**

## Main

| | |
|---|---|
| **Range Of Product** | Modicon Transformer Optimized |
| **Product Or Component Type** | Safety and isolation transformer |
| **Rated Power In Va** | 1600 VA |
| **Input Voltage** | 230 V AC single phase, terminal(s): N-L1<br>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** | -20…50 °C |

## Complementary

| | |
|---|---|
| **Input Voltage Limits** | 360...440 V<br>207...253 V |
| **Network Frequency Limits** | 47…63 Hz |
| **Input Voltage Tolerance** | +/- 15 V |
| **Efficiency** | 96 % |
| **Power Dissipation In W** | 66.7 W |
| **Output Sustained Overvoltage** | 3 % (no load, hot state) |
| **Maximum Voltage Drop At Rated Load** | 0 % |
| **No Load Losses** | 23.7 W |
| **Short-Circuit Voltage** | 0,0265 |
| **Output Protection Type** | Against overload, protection technology: with additional protection fuses or circuit-breakers in Selection of Protection<br>Against overvoltage, protection technology: with additional protection fuses or circuit-breakers in Selection of Protection<br>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<br>For input ground connection: screw type terminals, connection capacity: 1 x 4 mm² AWG 11<br>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<br>By 4 screws diameter: 7 mm on vertical panel, operating position: vertical<br>By 4 screws diameter: 7 mm on horizontal panel with derating to 90 % |
| **Operating Altitude** | 3000 m |

Disclaimer: 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

| | |
|---|---|
| **Electrical Insulation Class** | Class B |
| **Width** | 174.0 mm |
| **Height** | 169.0 mm |
| **Depth** | 163.0 mm |
| **Net Weight** | 19.96 kg |

## Environment

| | |
|---|---|
| **Product Certifications** | UR<br>EAC<br>DNV-GL |
| **Standards** | UL 506 |
| **Ip Degree Of Protection** | IP20 |
| **Environmental Characteristic** | EMC conforming to EN 62041<br>Safety conforming to EN 61558-1<br>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<br>4000 V between primary and secondary |

## Packing Units

| | |
|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 31.000 cm |
| **Package 1 Width** | 40.000 cm |
| **Package 1 Length** | 40.000 cm |
| **Package 1 Weight** | 21.408 kg |
| **Unit Type Of Package 2** | P06 |
| **Number Of Units In Package 2** | 4 |
| **Package 2 Height** | 75.000 cm |
| **Package 2 Width** | 60.000 cm |
| **Package 2 Length** | 80.000 cm |
| **Package 2 Weight** | 91.700 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty** | 18 months |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ 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

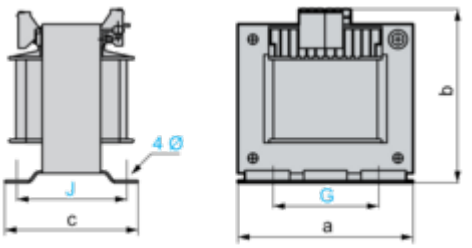
| | |
|---|---|
| Mercury Free | |
| Rohs Exemption Information | Yes |
| Pvc Free | |

## 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<br>Circularity Profile |

## Dimensions Drawings

### Dimensions




Dimensions in mm

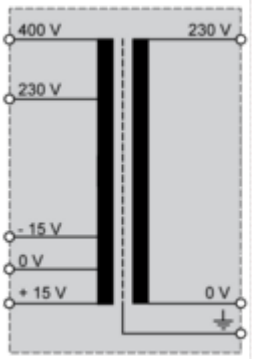
| a | b | c | G | J | Ø |
|---|---|---|---|---|---|
| 174 | 163 | 169 | 135 | 141 | 7 |

Dimensions in in.

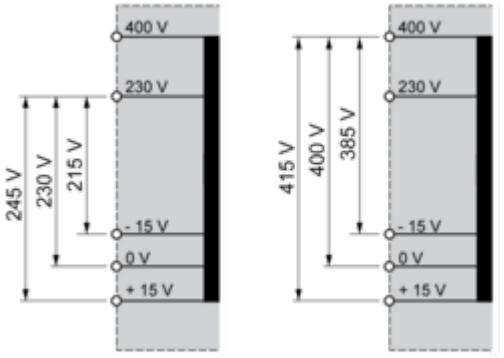
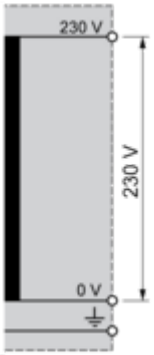
| a | b | c | G | J | Ø |
|---|---|---|---|---|---|
| 6.85 | 6.42 | 6.65 | 5.31 | 5.55 | 0.27 |

## Connections and Schema

### Internal Scheme



## Primary Voltage Wiring



## Secondary Voltage Wiring