# **Product datasheet**





# voltage transformer - 230..400 V -1 x 24 V - 100 VA

ABL6TS10B

! Discontinued on: 8 May 2023

#### 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                        | 24 V AC  |  |  |  |
| Secondary Winding                     | Single   |  |  |  |
| Protective Cover                      | Without  |  |  |  |
| Ambient Air Temperature For Operation | -2050 °C   |  |  |  |

| 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<br>Load                 | 0 %   |
| No Load Losses  | 7.1 W   |
| Short-Circuit Voltage                                 | 0,0786  |
| Output Protection Type                                | Against overload, protection technology: with additional protection fuses or circuit-<br>breakers in Selection of Protection  |
|   | Against overvoltage, protection technology: with additional protection fuses or circuit-<br>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                      | 87.0 mm |
| Depth                       | 95.0 mm |
| Net Weight                  | 2.05 kg |

## **Environment**

| Product Certifications              | UR<br>EAC<br>DNV-GL  |  |
|-------------------------------------|--|--|
| Standards                           | UL 506   |  |
| Ip Degree Of Protection             | IP20   |  |
| <b>Environmental Characteristic</b> | 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 | -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             | 14.000 cm  |
| Package 1 Width              | 12.500 cm  |
| Package 1 Length             | 18.500 cm  |
| Package 1 Weight             | 2.218 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             | 146.440 kg |

# **Contractual warranty**

Warranty 18 months



**Green Premium**<sup>TM</sup> **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-CO<sub>2</sub> 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 |
| <b>⊘</b> | Pvc Free                   |     |

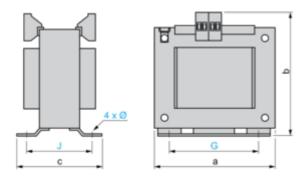
#### **Certifications & Standards**

| 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  Circularity Profile |  |  |

# ABL6TS10B

### **Dimensions Drawings**

### **Dimensions**



#### Dimensions in mm

| а  | b  | С  | G  | J    | Ø   |
|----|----|----|----|------|-----|
| 84 | 95 | 87 | 64 | 65.5 | 4.8 |

#### Dimensions in in.

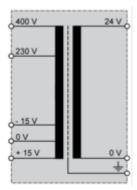
| Billionolono ili ili. |      |      |      |      |      |
|-----------------------|------|------|------|------|------|
| а                     | b    | С    | G    | J    | Ø    |
| 3.31                  | 3.74 | 3.42 | 2.52 | 2.58 | 0.19 |

# **Product datasheet**

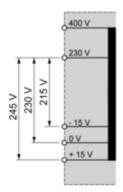
# ABL6TS10B

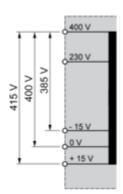
Connections and Schema

### Internal Scheme



### Primary Voltage Wiring





# Secondary Voltage Wiring

