# **Product datasheet**

Specification





# voltage transformer - 230..400 V - 2 x 115 V - 1.6 KVA

Local distributor code: 389707105

ABT7PDU160G

! To be discontinued on: 30 May 2024

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

! To be discontinued

EAN Code: 3389119401272

## Main

| Range Of Product                      | Modicon Transformer Universal  |  |  |
|---------------------------------------|--|--|--|
| 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 400 V AC phase to phase, terminal(s): L1-L2 |  |  |
| Output Voltage                        | 115/230 V AC   |  |  |
| Secondary Winding                     | Double   |  |  |
| Protective Cover                      | Without  |  |  |
| Ambient Air Temperature For Operation | -2060 °C   |  |  |

#### Complementary

| Input Voltage Limits                  | 360440 V  |  |
|---------------------------------------|---|--|
| input voitage Limits                  |   |  |
|                                       | 207253 V  |  |
| Network Frequency Limits              | 4763 Hz   |  |
| Input Voltage Tolerance               | +/- 15 V  |  |
| Efficiency                            | 94 %  |  |
| Power Dissipation In W                | 102.1 W   |  |
| Voltage Variation At Nominal Load     | 0.0286 at 400 V   |  |
|                                       | 0,0306 at 230 V   |  |
| Output Sustained Overvoltage          | 0,027 (no load, hot state)  |  |
| Maximum Voltage Drop At Rated<br>Load | 3.14 %  |  |
| No Load Losses                        | 26.38 W   |  |
| Short-Circuit Voltage                 | 0,035   |  |
| 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-<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 mm <sup>2</sup>                                   |  |
|                                       | AWG 11  |  |
|                                       | For output connection: screw type terminals, connection capacity: 6 x 4 mm² AWG 11  |  |
| Marking                               | CE  |  |
|                                       |   |  |

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| 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 % |  |  |  |  |
|-------------------------------------|--|--|--|--|--|
| Output Coupling                     | Parallel Grounding of secondary Series by internal jumper  |  |  |  |  |
| Operating Altitude                  | 3000 m   |  |  |  |  |
| Electrical Insulation Class Class F |  |  |  |  |  |
| Nidth 174.0 mm                      |  |  |  |  |  |
| Height                              | 169.0 mm   |  |  |  |  |
| Depth                               | 163.0 mm   |  |  |  |  |
| Net Weight                          | 20.31 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     |  |
| Ambient Air Temperature For Storage                   | -4080 °C   |  |
| Relative Humidity                                     | 095 % during operation   |  |
| Overvoltage Category Class I conforming to VDE 0106-1 |  |  |
| Dielectric Strength                                   | 3200 V between input and ground<br>3200 V between output and ground<br>5100 V between input and output |  |

# **Packing Units**

| Unit Type Of Package 1       | PCE       |
|------------------------------|-----------|
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 29.600 cm |
| Package 1 Width              | 39.400 cm |
| Package 1 Length             | 39.800 cm |
| Package 1 Weight             | 22.018 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             | 92.300 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

| <b>②</b> | Mercury Free               |     |
|----------|----------------------------|-----|
|          | Rohs Exemption Information | Yes |
|          | Pvc Free                   |     |

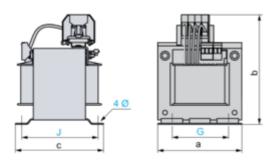
#### **Certifications & Standards**

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

# ABT7PDU160G

# **Dimensions Drawings**

## **Dimensions**



#### Dimensions in mm

| а   | b   | С   | G   | J   | Ø |
|-----|-----|-----|-----|-----|---|
| 174 | 163 | 169 | 135 | 141 | 7 |

#### Dimensions in in.

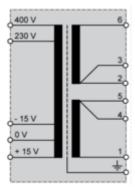
| а    | b    | С    | G    | J    | Ø    |
|------|------|------|------|------|------|
| 6.85 | 6.42 | 6.65 | 5.31 | 5.55 | 0.27 |

# **Product datasheet**

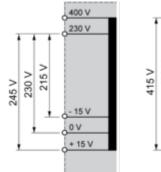
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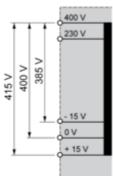
Connections and Schema

## Internal Scheme



#### **Primary Voltage Wiring**





## Secondary Voltage Wiring

