



# voltage transformer - 230..400 V -2 x 115 V - 250 VA

ABT7PDU025G

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

### ① Discontinued

#### Main

| Range Of Product            | Modicon Transformer Universal                                                           |  |  |  |  |
|-----------------------------|-----------------------------------------------------------------------------------------|--|--|--|--|
| Product Or Component Type   | Safety and isolation transformer                                                        |  |  |  |  |
| Rated Power In Va           | 250 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              | 115/230 V AC                                                                            |  |  |  |  |
| Secondary Winding           | Double                                                                                  |  |  |  |  |
| Protective Cover            | With                                                                                    |  |  |  |  |
| Ambient Air Temperature For | -2060 °C                                                                                |  |  |  |  |

### Complementary

| Complementary                         |                                                                                                                                                                                                                                                                                                                                                                                     |  |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Input Voltage Limits                  | 207253 V<br>360440 V                                                                                                                                                                                                                                                                                                                                                                |  |
| Network Frequency Limits              | 4763 Hz                                                                                                                                                                                                                                                                                                                                                                             |  |
| Input Voltage Tolerance               | +/- 15 V                                                                                                                                                                                                                                                                                                                                                                            |  |
| Efficiency                            | 90 %                                                                                                                                                                                                                                                                                                                                                                                |  |
| Power Dissipation In W                | 27.8 W                                                                                                                                                                                                                                                                                                                                                                              |  |
| Voltage Variation At Nominal Load     | 0,0313 at 230 V<br>0,0313 at 400 V                                                                                                                                                                                                                                                                                                                                                  |  |
| Output Sustained Overvoltage          | 0,018 (no load, hot state)                                                                                                                                                                                                                                                                                                                                                          |  |
| Maximum Voltage Drop At Rated<br>Load | 3.37 %                                                                                                                                                                                                                                                                                                                                                                              |  |
| No Load Losses                        | 13.68 W                                                                                                                                                                                                                                                                                                                                                                             |  |
| Short-Circuit Voltage                 | 0,066                                                                                                                                                                                                                                                                                                                                                                               |  |
| 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: 4 x 4 mm² AWG 11                                                                                                                       |  |
|                                       | CE                                                                                                                                                                                                                                                                                                                                                                                  |  |

| Fixing Mode                 | By 4 screws diameter: 6.5 mm on vertical panel, operating position: horizontal |
|-----------------------------|--------------------------------------------------------------------------------|
|                             | By 4 screws diameter: 6.5 mm on vertical panel, operating position: vertical   |
|                             | By 4 screws diameter: 6.5 mm on horizontal panel with derating to 90 $\%$      |
| Output Coupling             | Parallel                                                                       |
|                             | Grounding of secondary                                                         |
|                             | Series by internal jumper                                                      |
|                             | Conce by internal jumper                                                       |
| Operating Altitude          | 3000 m                                                                         |
|                             |                                                                                |
| Electrical Insulation Class | Class B                                                                        |
|                             |                                                                                |
| Status Led                  | 1 LED (orange) input voltage                                                   |
|                             |                                                                                |
| Width                       | 123.0 mm                                                                       |
| Height                      | 152.0 mm                                                                       |
|                             | 132.0 111111                                                                   |
| Depth                       | 141.0 mm                                                                       |
|                             |                                                                                |
| Net Weight                  | 5.56 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**

| PCE        |
|------------|
| 1          |
| 27.000 cm  |
| 15.000 cm  |
| 26.500 cm  |
| 6.096 kg   |
| P06        |
| 24         |
| 75.000 cm  |
| 60.000 cm  |
| 80.000 cm  |
| 154.804 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.

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Transparency RoHS/REACh

### Well-being performance



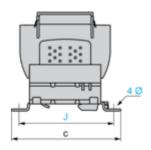
#### **Certifications & Standards**

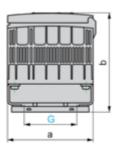
| Reach Regulation                | REACh Declaration                                             |  |  |  |
|---------------------------------|---------------------------------------------------------------|--|--|--|
| Eu Rohs Directive               | Pro-active compliance (Product out of EU RoHS legal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

## ABT7PDU025G

## **Dimensions Drawings**

### **Dimensions**





#### Dimensions in mm

| а   | b   | С   | G  | J   | Ø   |
|-----|-----|-----|----|-----|-----|
| 123 | 141 | 152 | 82 | 136 | 6.5 |

#### Dimensions in in.

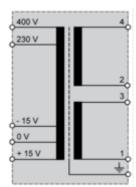
| а    | b    | С    | G    | J    | Ø    |
|------|------|------|------|------|------|
| 4.84 | 5.55 | 5.98 | 3.23 | 5.35 | 0.25 |

## **Product datasheet**

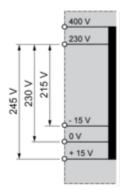
## ABT7PDU025G

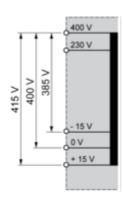
Connections and Schema

### Internal Scheme

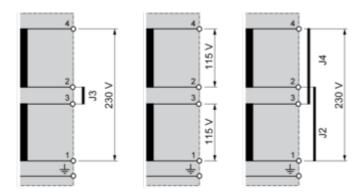


#### **Primary Voltage Wiring**





### Secondary Voltage Wiring



J2, J3, J4 Internal Jumper