

# Product datasheet

Specifications



## voltage transformer - 230..400 V - 2 x 115 V - 100 VA

ABT7PDU010G

⚠ Discontinued on: 31 Dec 2025

⚠ To be end-of-service on: 31 Dec 2026

⚠ To be discontinued

### Main

|                                       |                                                                                         |
|---------------------------------------|-----------------------------------------------------------------------------------------|
| Range of product                      | Modicon Transformer Universal                                                           |
| rated power in VA                     | 100 VA                                                                                  |
| Product or component type             | Safety and isolation transformer                                                        |
| 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 operation | -20...60 °C                                                                             |

### Complementary

|                                    |                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input voltage limits               | 360...440 V<br>207...253 V                                                                                                                                                                                                                                                                                                                                                                |
| Network frequency limits           | 47...63 Hz                                                                                                                                                                                                                                                                                                                                                                                |
| Input voltage tolerance            | +/- 15 V                                                                                                                                                                                                                                                                                                                                                                                  |
| Efficiency                         | 86 %                                                                                                                                                                                                                                                                                                                                                                                      |
| Power dissipation in W             | 16.3 W                                                                                                                                                                                                                                                                                                                                                                                    |
| Voltage variation at nominal load  | 4 % at 230 V<br>0,0417 at 400 V                                                                                                                                                                                                                                                                                                                                                           |
| Output sustained overvoltage       | 0,049 (no load, hot state)                                                                                                                                                                                                                                                                                                                                                                |
| Maximum voltage drop at rated load | 4.23 %                                                                                                                                                                                                                                                                                                                                                                                    |
| No load losses                     | 11.26 W                                                                                                                                                                                                                                                                                                                                                                                   |
| Short-circuit voltage              | 0,062                                                                                                                                                                                                                                                                                                                                                                                     |
| 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: 4 x 4 mm² AWG 11                                                                                                                       |
| Marking                            | CE                                                                                                                                                                                                                                                                                                                                                                                        |

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

|                             |                                                                                                                                                                                                                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fixing mode                 | By 4 screws diameter: 5.5 mm on vertical panel, operating position: horizontal<br>By 4 screws diameter: 5.5 mm on vertical panel, operating position: vertical<br>By clips on 35 x 15 mm symmetrical DIN rail<br>By 4 screws diameter: 5.5 mm on horizontal panel with derating to 90 % |
| Output coupling             | Grounding of secondary<br>Parallel<br>Series by internal jumper                                                                                                                                                                                                                         |
| Operating altitude          | 3000 m                                                                                                                                                                                                                                                                                  |
| Electrical insulation class | Class B                                                                                                                                                                                                                                                                                 |
| Status LED                  | 1 LED (orange) input voltage                                                                                                                                                                                                                                                            |
| Width                       | 87.0 mm                                                                                                                                                                                                                                                                                 |
| Height                      | 108.0 mm                                                                                                                                                                                                                                                                                |
| Depth                       | 138.0 mm                                                                                                                                                                                                                                                                                |
| Net weight                  | 2.86 kg                                                                                                                                                                                                                                                                                 |

## Environment

|                                     |                                                                                                        |
|-------------------------------------|--------------------------------------------------------------------------------------------------------|
| Product certifications              | UR<br>EAC<br>DNV-GL                                                                                    |
| Standards                           | UL 506                                                                                                 |
| IP degree of protection             | IP20                                                                                                   |
| Environmental characteristic        | EMC conforming to IEC 62041<br>Safety conforming to EN 61558-1<br>Safety conforming to EN 61558-2-4    |
| Ambient air temperature for storage | -40...80 °C                                                                                            |
| Relative humidity                   | 0...95 % 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             | 25.500 cm  |
| Package 1 Width              | 18.500 cm  |
| Package 1 Length             | 11.600 cm  |
| Package 1 Weight             | 3.182 kg   |
| Unit Type of Package 2       | P06        |
| Number of Units in Package 2 | 30         |
| Package 2 Height             | 75.000 cm  |
| Package 2 Width              | 60.000 cm  |
| Package 2 Length             | 80.000 cm  |
| Package 2 Weight             | 108.460 kg |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

Environmental Disclosure

[Product Environmental Profile](#)

## Use Better



### Materials and Substances

|                                        |                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | No                                                                                     |
| Packaging without single use plastic   | No                                                                                     |
| SCIP Number                            | 93c35204-c30d-4a1c-be25-b7657ea12b91                                                   |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                 |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |
| PVC free                               | Yes                                                                                    |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again

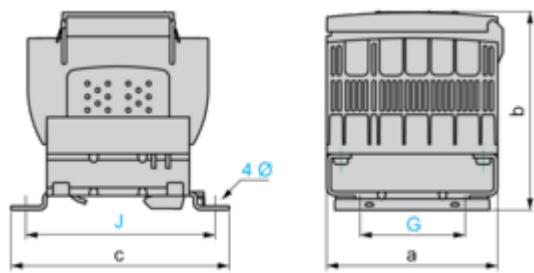


### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability | <a href="#">No need of specific recycling operations</a>                                                                                                                                                        |
| Take-back                       | No                                                                                                                                                                                                              |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Dimensions Drawings

Dimensions



Dimensions in mm

| a  | b   | c   | G  | J  | Ø   |
|----|-----|-----|----|----|-----|
| 87 | 138 | 108 | 60 | 96 | 5.5 |

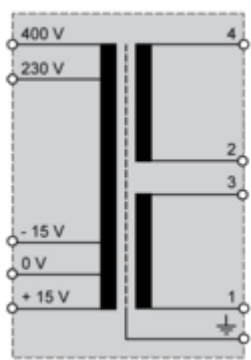
Dimensions in in.

| a    | b    | c    | G    | J    | Ø    |
|------|------|------|------|------|------|
| 3.42 | 5.43 | 4.25 | 2.36 | 3.78 | 0.22 |

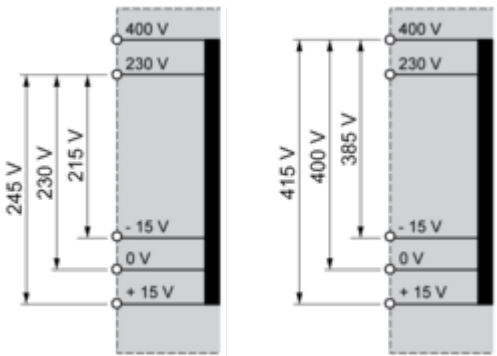
Connections and Schema

Internal Scheme

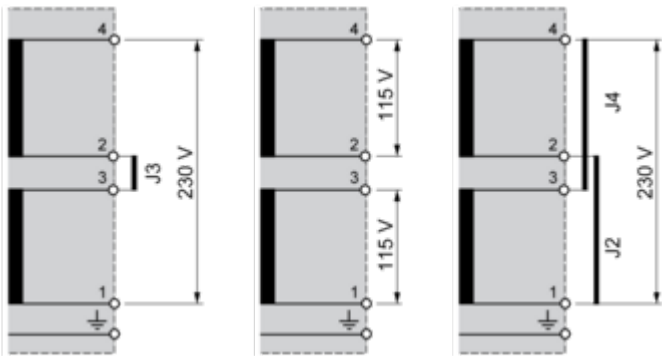
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Primary Voltage Wiring



Secondary Voltage Wiring



J2, J3, J4 Internal Jumper