

# Product datasheet

Specifications



## voltage transformer - 230..400 V - 2 x 115 V - 40 VA

TSI Code: 389706928 ABT7PDU004G

### Main

|                                       |   |
|---------------------------------------|---|
| Range of product                      | Modicon Transformer Universal   |
| Product or component type             | Safety and isolation transformer  |
| Rated power in VA                     | 40 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 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                         | 81 %  |
| Power dissipation in W             | 9.4 W   |
| Voltage variation at nominal load  | 5.47 % at 230 V<br>5.73 % at 400 V  |
| Output sustained overvoltage       | 0,042 (no load, hot state)  |
| Maximum voltage drop at rated load | 6.16 %  |
| No load losses                     | 5.93 W  |
| Short-circuit voltage              | 0,087   |
| Output protection type             | Against overload, protection technology: external<br>Against overvoltage, protection technology: external<br>Against short-circuits, protection technology: external  |
| Connections - terminals            | For input connection: screw type terminals, connection capacity: 5 x 4 mm <sup>2</sup> AWG 11<br>For input ground connection: screw type terminals, connection capacity: 1 x 4 mm <sup>2</sup> AWG 11<br>For output connection: screw type terminals, connection capacity: 4 x 4 mm <sup>2</sup> AWG 11 |
| Marking                            | CE  |
| 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   |

By 4 screws diameter: 5.5 mm on horizontal panel with derating to 90 %

|                                    |   |
|------------------------------------|---|
| <b>Output coupling</b>             | Series by internal jumper<br>Parallel<br>Grounding of secondary |
| <b>Operating altitude</b>          | 3000 m  |
| <b>Electrical insulation class</b> | Class B   |
| <b>Status LED</b>                  | 1 LED (orange)input voltage                                     |
| <b>Width</b>                       | 87.0 mm   |
| <b>Height</b>                      | 108.0 mm  |
| <b>Depth</b>                       | 104.0 mm  |
| <b>Product weight</b>              | 1.3 kg  |

## Environment

|  |  |
|--|--|
| <b>Product certifications</b>              | EAC<br>UR<br>DNV-GL  |
| <b>Standards</b>                           | UL 506   |
| <b>IP degree of protection</b>             | IP20   |
| <b>Environmental characteristic</b>        | EMC conforming to EN 62041<br>Safety conforming to EN 61558-1<br>Safety conforming to EN 61558-2-4     |
| <b>Ambient air temperature for storage</b> | -40...80 °C  |
| <b>Relative humidity</b>                   | 0...95 % during operation  |
| <b>Overvoltage category</b>                | Class I conforming to VDE 0106-1   |
| <b>Dielectric strength</b>                 | 3200 V between input and ground<br>3200 V between output and ground<br>5100 V between input and output |

## Packing Units

|                                     |          |
|-------------------------------------|----------|
| <b>Unit Type of Package 1</b>       | PCE      |
| <b>Number of Units in Package 1</b> | 1        |
| <b>Package 1 Weight</b>             | 1.739 kg |
| <b>Package 1 Height</b>             | 11.6 cm  |
| <b>Package 1 width</b>              | 18.8 cm  |
| <b>Package 1 Length</b>             | 25.8 cm  |
| <b>Unit Type of Package 2</b>       | P06      |
| <b>Number of Units in Package 2</b> | 30       |
| <b>Package 2 Weight</b>             | 65.17 kg |
| <b>Package 2 Height</b>             | 73.5 cm  |
| <b>Package 2 width</b>              | 60 cm    |
| <b>Package 2 Length</b>             | 80 cm    |

## Offer Sustainability

|                                 |   |
|---------------------------------|---|
| <b>Sustainable offer status</b> | Green Premium product   |
| <b>REACH Regulation</b>         | <a href="#">REACH Declaration</a>   |
| <b>EU RoHS Directive</b>        | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |
| <b>Mercury free</b>             | Yes   |

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|                                   |   |
|-----------------------------------|---|
| <b>RoHS exemption information</b> | <a href="#">Yes</a>                           |
| <b>China RoHS Regulation</b>      | <a href="#">China RoHS declaration</a>        |
| <b>Environmental Disclosure</b>   | <a href="#">Product Environmental Profile</a> |
| <b>PVC free</b>                   | Yes   |

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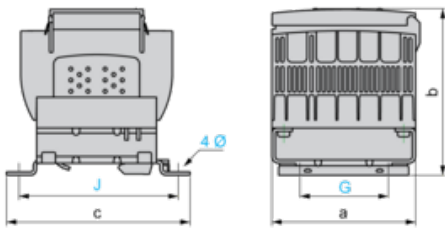
### **Contractual warranty**

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|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 18 months |
|-----------------|-----------|

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**Dimensions**



Dimensions in mm

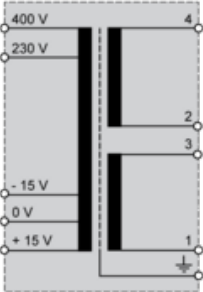
| a  | b   | c   | G  | J  | Ø   |
|----|-----|-----|----|----|-----|
| 87 | 104 | 108 | 60 | 96 | 5.5 |

Dimensions in in.

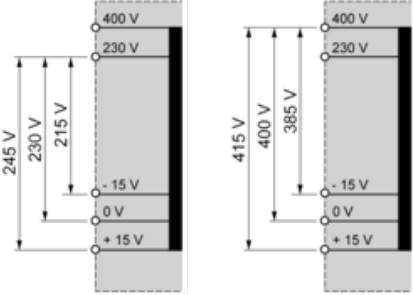
| a    | b    | c    | G    | J    | Ø    |
|------|------|------|------|------|------|
| 3.42 | 4.09 | 4.25 | 2.36 | 3.78 | 0.22 |

**Internal Scheme**

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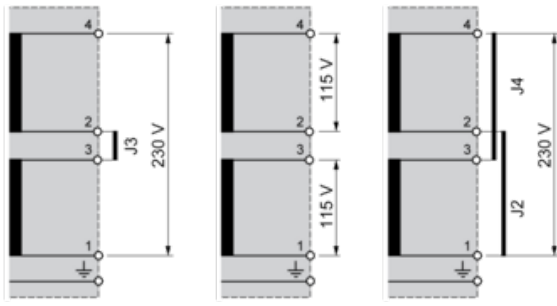


Primary Voltage Wiring



Secondary Voltage Wiring

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J2, J3, J4 Internal Jumper