

Product datasheet

Specifications



voltage transformer - 230..400 V - 2 x 115 V - 2.5 KVA

Local distributor code:

389707121

ABT7PDU250G

(!) Discontinued on: 2 Jul 2024

(!) End-of-service on: 30 May 2025

(!) Discontinued

EAN Code: 3389119401289

Main

| | |
|---------------------------------------|---|
| Range of product | Modicon Transformer Universal |
| rated power in VA | 2500 VA |
| Product or component type | Safety and isolation transformer |
| 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 | -20...60 °C |

Complementary

| | |
|------------------------------------|---|
| Input voltage limits | 360...440 V 207...253 V |
| Network frequency limits | 47...63 Hz |
| Input voltage tolerance | +/- 15 V |
| Efficiency | 96 % |
| Power dissipation in W | 104.2 W |
| Voltage variation at nominal load | 0,017 at 230 V 0,0189 at 400 V |
| Output sustained overvoltage | 1.5 % (no load, hot state) |
| Maximum voltage drop at rated load | 1.7 % |
| No load losses | 31.6 W |
| Short-circuit voltage | 0,022 |
| 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 mm ² AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 4 mm ² AWG 11 For output connection: screw type terminals, connection capacity: 6 x 10 mm ² AWG 6 |
| Marking | CE |

| | |
|------------------------------------|---|
| Fixing mode | By 4 screws diameter: 10 mm on vertical panel, operating position: horizontal By 4 screws diameter: 10 mm on vertical panel, operating position: vertical By 4 screws diameter: 10 mm on horizontal panel with derating to 90 % |
| Output coupling | Grounding of secondary Parallel Series by internal jumper |
| Operating altitude | 3000 m |
| Electrical insulation class | Class F |
| Width | 192.0 mm |
| Height | 189.0 mm |
| Depth | 205.0 mm |
| Net weight | 24.91 kg |

Environment

| | |
|--|--|
| Product certifications | EAC UR DNV-GL |
| Standards | UL 506 |
| IP degree of protection | IP20 |
| Environmental characteristic | EMC conforming to IEC 62041 Safety conforming to EN 61558-1 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 3200 V between output and ground 5100 V between input and output |

Packing Units

| | |
|-------------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 55.000 cm |
| Package 1 Width | 60.000 cm |
| Package 1 Length | 80.000 cm |
| Package 1 Weight | 36.000 kg |

Logistical informations

| | |
|--------------------------|----|
| Country of origin | CZ |
|--------------------------|----|

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 |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| SCIP Number | 93c35204-c30d-4a1c-be25-b7657ea12b91 |
| REACH Regulation | REACH Declaration |
| PVC free | Yes |

Use Longer

Lifetime extension

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

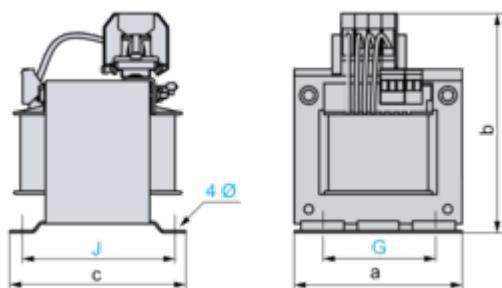
Use Again

Repack and remanufacture

| | |
|---------------------------------|---|
| End of life manual availability | No need of specific recycling operations |
| 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

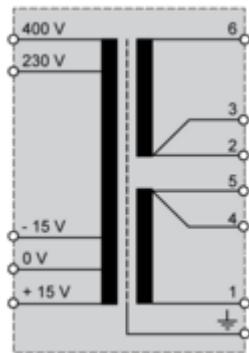
| a | b | c | G | J | Ø |
|-----|-----|-----|-----|-----|----|
| 192 | 205 | 189 | 150 | 150 | 10 |

Dimensions in in.

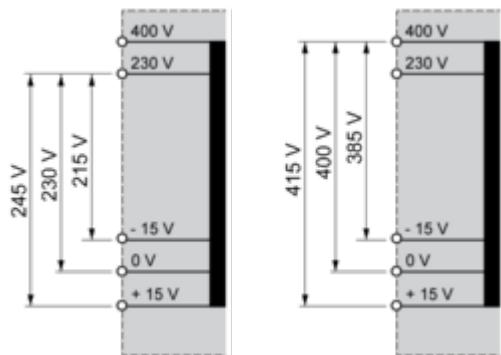
| a | b | c | G | J | Ø |
|------|------|------|------|------|------|
| 7.56 | 8.07 | 7.44 | 5.90 | 5.90 | 0.39 |

Connections and Schema

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring