

# Product datasheet

Specifications



## voltage transformer - 230..400 V - 2 x 24 V - 25 VA

ABT7PDU002B

⚠ Discontinued on: 4 Jul 2022

⚠ Discontinued

### Main

Range Of Product	Modicon Transformer Universal
Product Or Component Type	Safety and isolation transformer
Rated Power In Va	25 VA
Input Voltage	230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2
Output Voltage	24/48 V AC
Secondary Winding	Double
Protective Cover	With
Ambient Air Temperature For Operation	-20...60 °C

### Complementary

Input Voltage Limits	207...253 V 360...440 V
Network Frequency Limits	47...63 Hz
Input Voltage Tolerance	+/- 15 V
Efficiency	74 %
Power Dissipation In W	8.8 W
Voltage Variation At Nominal Load	9.12 % at 230 V 9.4 % at 400 V
Output Sustained Overvoltage	0,033 (no load, hot state)
Maximum Voltage Drop At Rated Load	9.54 %
No Load Losses	5.07 W
Short-Circuit Voltage	0,151
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
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 By 4 screws diameter: 5.5 mm on vertical panel, operating position: vertical By clips on 35 x 15 mm symmetrical DIN rail By 4 screws diameter: 5.5 mm on horizontal panel with derating to 90 %
Output Coupling	Parallel Grounding of secondary Series by internal jumper
Electrical Insulation Class	Class B
Status Led	1 LED (orange) input voltage
Width	87.0 mm
Height	108.0 mm
Depth	98.0 mm
Net Weight	1.1 kg

## Environment

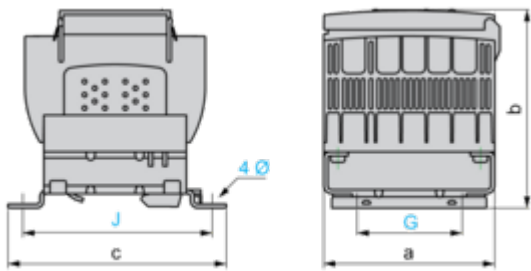
Product Certifications	UR EAC DNV-GL
Standards	UL 506
Ip Degree Of Protection	IP20
Environmental Characteristic	EMC conforming to EN 62041 Safety conforming to EN 61558-1 Safety conforming to EN 61558-2-6
Ambient Air Temperature For Storage	-40...80 °C
Relative Humidity	0...95 % during operation
Overvoltage 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

## Contractual warranty

Warranty	18 months
----------	-----------

Dimensions Drawings

Dimensions



Dimensions in mm

a	b	c	G	J	Ø
87	98	108	60	96	5.5

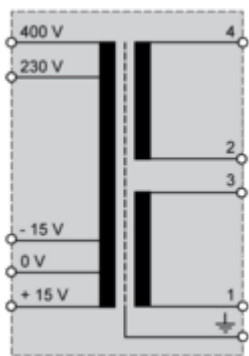
Dimensions in in.

a	b	c	G	J	Ø
3.43	3.86	4.25	2.36	3.78	0.22

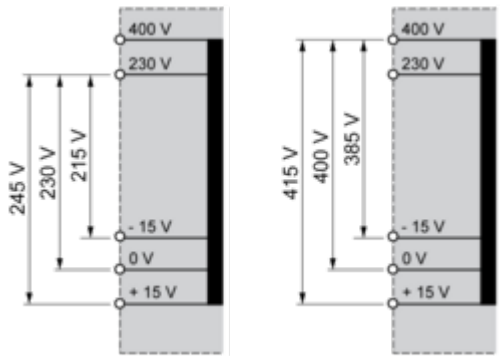
Connections and Schema

Internal Scheme

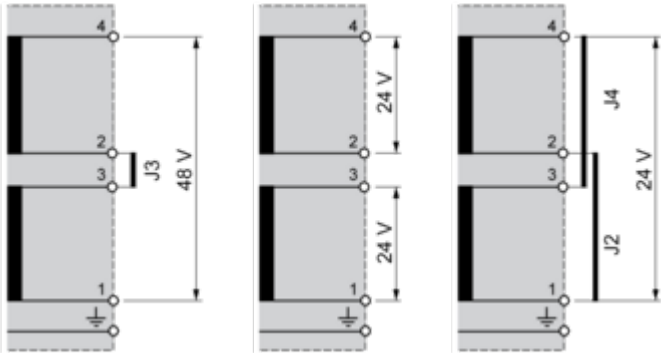
---



Primary Voltage Wiring



Secondary Voltage Wiring



J2, J3, J4 Internal Jumper