

# Product datasheet

Specifications



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

TSI Code: 389706892 ABT7PDU002B

ABT7PDU002B has not been replaced. Please contact your customer care centre for more information.

⚠ 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: external Against overvoltage, protection technology: external 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 For input ground connection: screw type terminals, connection capacity: 1 x 4 mm <sup>2</sup> AWG 11 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 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 %

<b>Output coupling</b>	Parallel Grounding of secondary Series by internal jumper
<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>	98.0 mm
<b>Product weight</b>	1.1 kg

## Environment

<b>Product certifications</b>	UR EAC DNV-GL
<b>Standards</b>	UL 506
<b>IP degree of protection</b>	IP20
<b>Environmental characteristic</b>	EMC conforming to EN 62041 Safety conforming to EN 61558-1 Safety conforming to EN 61558-2-6
<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 3200 V between output and ground 5100 V between input and output

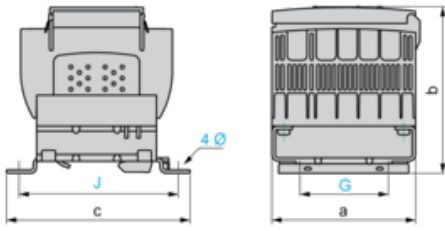
## Packing Units

<b>Package 1 Weight</b>	1.460 kg
<b>Package 1 Height</b>	2.550 dm
<b>Package 1 width</b>	1.850 dm
<b>Package 1 Length</b>	1.160 dm

## Contractual warranty

<b>Warranty</b>	18 months
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**Dimensions**



Dimensions in mm

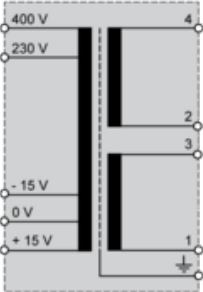
a	b	c	G	J	Ø
87	98	108	60	96	5.5

Dimensions in in.

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

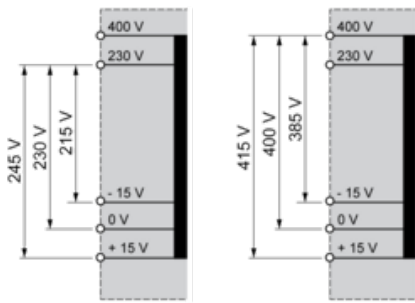
**Internal Scheme**

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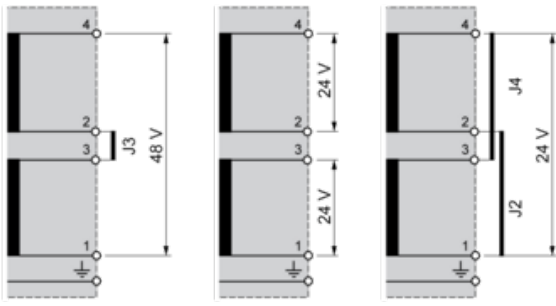
**Primary Voltage Wiring**

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Secondary Voltage Wiring

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J2, J3, J4 Internal Jumper