

Product datasheet

Specifications



voltage transformer - 230..400 V - 2 x 24 V - 160 VA

ABT7PDU016B

⚠ Discontinued on: 01-Jun-2024

⚠ To be end-of-service on: 01-Jun-2025

⚠ Discontinued

Main

Range of product	Modicon Transformer Universal
Product or component type	Safety and isolation transformer
Rated power in VA	160 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	360...440 V 207...253 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	88 %
Power dissipation in W	21.8 W
Voltage variation at nominal load	0,0316 at 400 V 0,0329 at 230 V
Output sustained overvoltage	0,024 (no load, hot state)
Maximum voltage drop at rated load	2.83 %
No load losses	14.32 W
Short-circuit voltage	0,068
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: 4 x 4 mm ² 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: 6.5 mm on vertical panel, operating position: horizontal By 4 screws diameter: 6.5 mm on vertical panel, operating position: vertical By clips on 35 x 15 mm symmetrical DIN rail By 4 screws diameter: 6.5 mm on horizontal panel with derating to 90 %
Output coupling	Series by internal jumper Grounding of secondary Parallel
Operating altitude	3000 m
Electrical insulation class	Class B
Status LED	1 LED (orange) input voltage
width	123.0 mm
Height	153.0 mm
Depth	127.0 mm
Net weight	4.46 kg

Environment

Product certifications	EAC UR 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	27.000 cm
Package 1 Width	26.500 cm
Package 1 Length	15.100 cm
Package 1 Weight	5.034 kg
Unit Type of Package 2	P06
Number of Units in Package 2	24
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	129.340 kg

Contractual warranty

Warranty	18 months
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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.

How this information helps you >

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](#)

China RoHS Regulation

[China RoHS declaration](#)

PVC free

Yes

Use Again

Repack and remanufacture

Circularity Profile

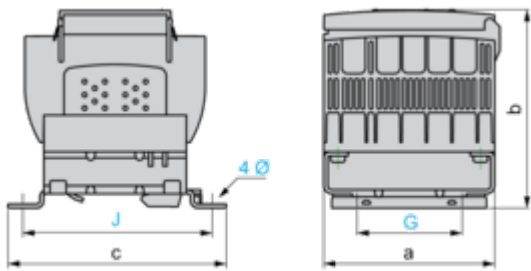
[No need of specific recycling operations](#)

Take-back

No

Dimensions Drawings

Dimensions



Dimensions in mm

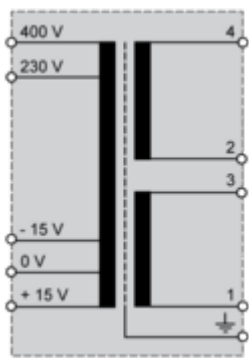
a	b	c	G	J	Ø
123	127	153	82	136	6.5

Dimensions in in.

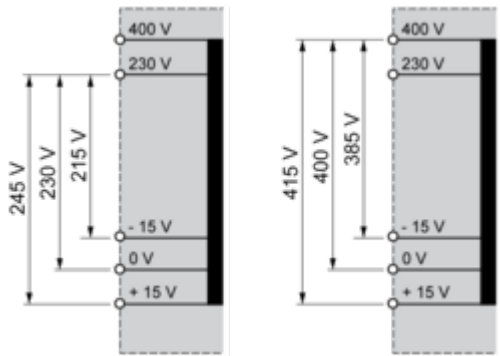
a	b	c	G	J	Ø
4.84	5.00	6.02	3.23	5.35	0.25

Connections and Schema

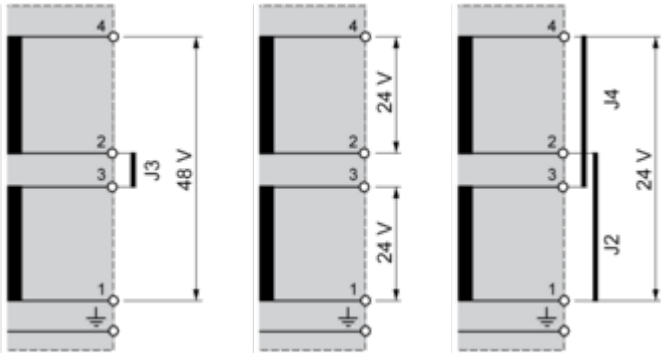
Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring



J2, J3, J4 Internal Jumper