

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

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: 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
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Contractual warranty

Warranty (in months)	18
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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

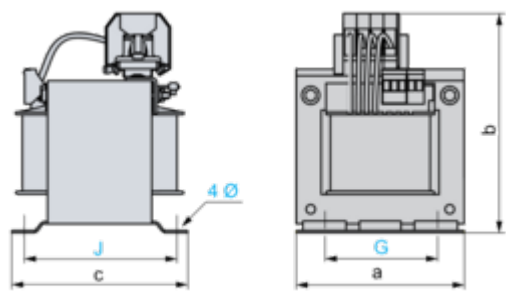
Lifetime extension	
Repair	No

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

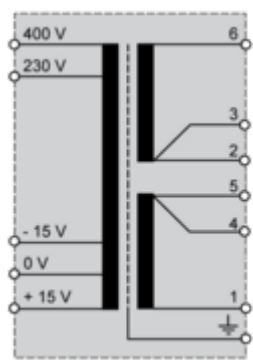
a	b	c	G	J	Ø
192	205	189	150	150	10

Dimensions in in.

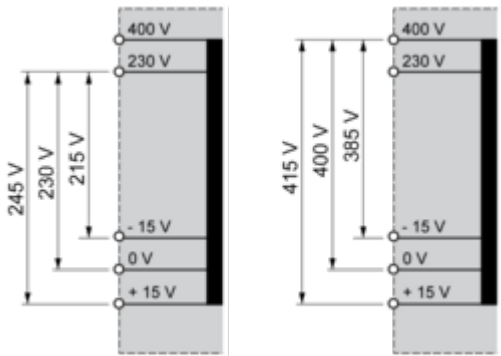
a	b	c	G	J	Ø
7.56	8.07	7.44	5.90	5.90	0.39

Connections and Schema

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

