



### Main

Range of product	Modicon Transformer Economic
Product or component type	Safety and isolation transformer
Rated power in VA	100 VA
Input voltage	230 V AC phase to phase, terminal(s): L1-L2 230 V AC single phase, terminal(s): N-L1
Output voltage	24 V AC
Secondary winding	Single
Protective cover	Without
Ambient air temperature for operation	-20...40 °C

### Complementary

Input voltage limits	207...253 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	83 %
Power dissipation in W	20.5 W
Voltage variation at nominal load	9.25 % at 230 V
Output sustained overvoltage	0,102 (no load, hot state)
Maximum voltage drop at rated load	11.04 %
No load losses	6.7 W
Short-circuit voltage	0,113
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: 4 x 2.5...4 x 4 mm <sup>2</sup> AWG 14...AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 2.5...1 x 4 mm <sup>2</sup> AWG 14...AWG 11 For output connection: screw type terminals, connection capacity: 2 x 2.5...2 x 4 mm <sup>2</sup> AWG 14...AWG 11
Marking	CE
Fixing mode	By 4 screws diameter: 5 mm on vertical panel, operating position: vertical By 4 screws diameter: 5 mm on horizontal panel with derating to 90 %, operating position: horizontal By clips (with mounting plate) on 35 mm symmetrical DIN rail By 4 screws diameter: 5 mm on vertical panel
Operating altitude	3000 m
Electrical insulation class	Class B
Width	85.0 mm
Height	87.0 mm
Depth	95.0 mm
Net weight	1.91 kg






## Environment

Product certifications	EAC[RETURN]DNV-GL
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	18.200 cm
Package 1 Width	12.500 cm
Package 1 Length	15.000 cm
Package 1 Weight	2.097 kg
Unit Type of Package 2	P06
Number of Units in Package 2	57
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	132.529 kg

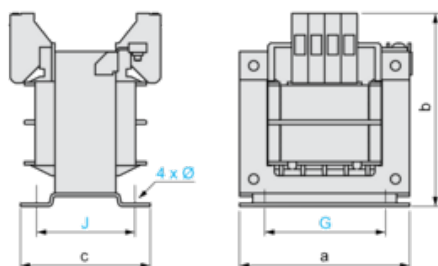
## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 <a href="#">Yes</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations  <a href="#">Circularity Profile</a>
PVC free	Yes
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Contractual warranty

Warranty	18 months
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## Dimensions



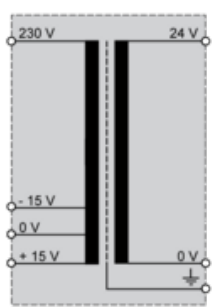
Dimensions in mm

a	b	c	G	J	Ø
85	95	87	64	67	4.8

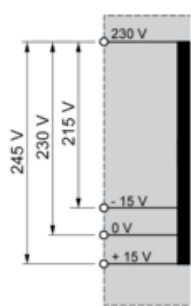
Dimensions in in.

a	b	c	G	J	Ø
3.35	3.74	3.43	2.52	2.64	0.19

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

