

### Main

Range of product	Modicon Economic
Product or component type	Safety and isolation transformer
Rated power in VA	250 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	89 %
Power dissipation in W	30.9 W
Voltage variation at nominal load	5.04 % at 230 V
Output sustained overvoltage	0,063 (no load, hot state)
Maximum voltage drop at rated load	6.25 %
No load losses	12.3 W
Short-circuit voltage	0,083
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: 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: horizontal 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 altitude	3000 m
Electrical insulation class	Class B
Width	98 mm
Height	106 mm
Depth	105 mm
Net weight	3.54 kg

### Environment

Product certifications	EAC
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 Weight	3.908 kg
Package 1 Height	14.8 cm
Package 1 width	18.5 cm
Package 1 Length	25.5 cm
Unit Type of Package 2	P06
Number of Units in Package 2	22
Package 2 Weight	98.98 kg
Package 2 Height	80 cm
Package 2 width	80 cm
Package 2 Length	60 cm

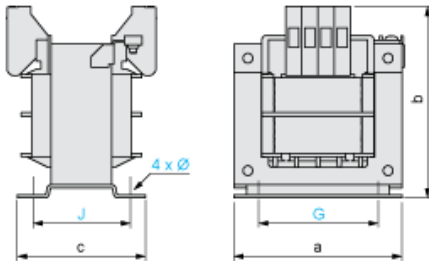
## Offer Sustainability

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) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
PVC free	Yes

## Contractual warranty

Warranty	18 months
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Dimensions



Dimensions in mm

a	b	c	G	J	Ø
98	106	105	84	86	5.8

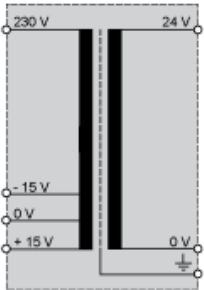
Dimensions in in.

a	b	c	G	J	Ø
3.86	4.17	4.13	3.31	3.39	0.23

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Internal Scheme

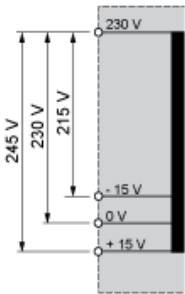
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Primary Voltage Wiring

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Secondary Voltage Wiring

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