



### Main

Range of product	Modicon Economic
Product or component type	Safety and isolation transformer
Rated power in VA	320 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	39.6 W
Voltage variation at nominal load	5.08 % at 230 V
Output sustained overvoltage	0,061 (no load, hot state)
Maximum voltage drop at rated load	6.5 %
No load losses	16.7 W
Short-circuit voltage	0,062
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 mm² AWG 14...AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 2.5...1 x 4 mm² AWG 14...AWG 11 For output connection: screw type terminals, connection capacity: 2 x 2.5...2 x 4 mm² 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	121 mm
Height	122 mm
Depth	92 mm
Net weight	4.08 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	4.424 kg
Package 1 Height	15 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	110.33 kg
Package 2 Height	80 cm
Package 2 width	80 cm
Package 2 Length	60 cm

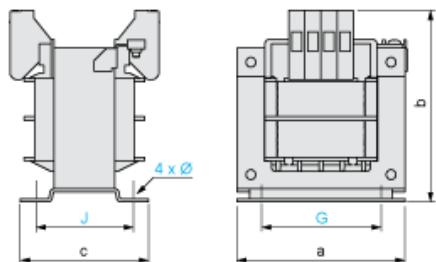
### Offer Sustainability

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
----------	-----------

Dimensions



Dimensions in mm

a	b	c	G	J	Ø
121	122	92	90	75	5.8

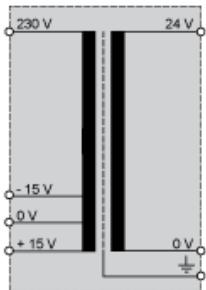
Dimensions in in.

a	b	c	G	J	Ø
4.76	4.80	3.62	3.54	2.95	0.23

---

### Internal Scheme

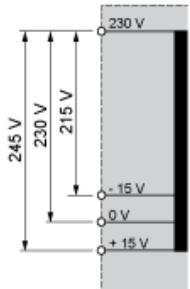
---



---

### Primary Voltage Wiring

---



---

### Secondary Voltage Wiring

---

