

## Main

Range of product	Modicon Optimized
Product or component type	Safety and isolation transformer
Rated power in VA	250 VA
Input voltage	230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2
Output voltage	230 V AC
Secondary winding	Single
Protective cover	Without
Ambient air temperature for operation	-20...50 °C

## Complementary

Input voltage limits	207...253 V 360...440 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	90 %
Power dissipation in W	27.8 W
Output sustained overvoltage	5 % (no load, hot state)
Maximum voltage drop at rated load	0.7 %
No load losses	12.5 W
Short-circuit voltage	0,0585
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: 5 x 4 mm <sup>2</sup> AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 4 mm <sup>2</sup> AWG 11 For output connection: screw type terminals, connection capacity: 2 x 4 mm <sup>2</sup> AWG 11
Marking	CE
Fixing mode	By 4 screws diameter: 5.8 mm on vertical panel, operating position: horizontal By 4 screws diameter: 5.8 mm on vertical panel, operating position: vertical By 4 screws diameter: 5.8 mm on horizontal panel with derating to 90 %
Operating altitude	3000 m
Electrical insulation class	Class B
Width	120 mm
Height	122 mm
Depth	85 mm
Net weight	4.4 kg

## Environment

Product certifications	UR EAC
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
Protective treatment	TC
Ambient air temperature for storage	-40...80 °C
Overvoltage category	Class I conforming to VDE 0106-1
Dielectric strength	2000 V between winding and ground 4000 V between primary and secondary

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	4.29 kg
Package 1 Height	16.4 cm
Package 1 width	17.6 cm
Package 1 Length	19 cm
Unit Type of Package 2	CAR
Number of Units in Package 2	1
Package 2 Weight	4.29 kg
Package 2 Height	21.2 cm
Package 2 width	21.2 cm
Package 2 Length	21.8 cm
Unit Type of Package 3	P06
Number of Units in Package 3	30
Package 3 Weight	141.7 kg
Package 3 Height	80 cm
Package 3 width	80 cm
Package 3 Length	60 cm

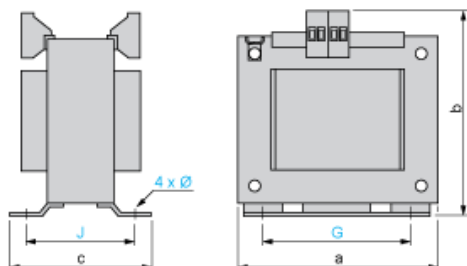
## Offer Sustainability

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



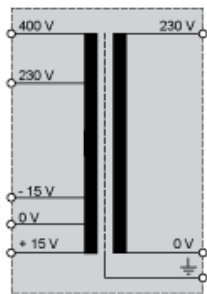
Dimensions in mm

a	b	c	G	J	Ø
120	122	93	90	74.5	5.8

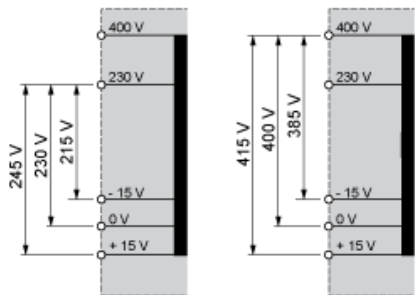
Dimensions in in.

a	b	c	G	J	Ø
4.72	4.80	3.66	3.54	2.93	0.23

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

