



### Main

Commercial Status	Commercialised
Range of product	Phaseo Economic
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 230 V AC phase to phase, terminal(s): L1-L2
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)
Voltage drop at rated load	6.25 %
No load losses	12.3 W
Short-circuit voltage	0,083
Output protection type	Against short-circuits, protection technology: external Against overvoltage, protection technology: external Against overload, protection technology: external
Connections - terminals	Screw type terminals for output connection, connection capacity: 2 x 2.5...2 x 4 mm <sup>2</sup> AWG gauge14...11 Screw type terminals for input ground connection, connection capacity: 1 x 2.5...1 x 4 mm <sup>2</sup> AWG gauge14...11 Screw type terminals for input connection, connection capacity: 4 x 2.5...4 x 4 mm <sup>2</sup> AWG gauge14...11
Marking	CE
Fixing mode	By 4 screws, screw(s) Ø = 5 mm on vertical panel, operating position: vertical By 4 screws, screw(s) Ø = 5 mm on vertical panel, operating position: horizontal By 4 screws, screw(s) Ø = 5 mm on horizontal panel with derating to 90 %
Electrical insulation class	Class B
Product weight	3.54 kg

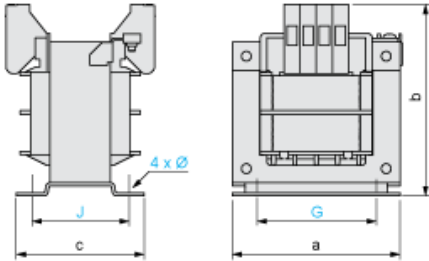
### Environment

IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for storage	-40...80 °C
Relative humidity	0...95 % during operation
Class of protection against electric shock	Class I conforming to VDE 0106-1
Dielectric strength	5100 V between input and output 3200 V between output and ground 3200 V between input and ground

### Contractual warranty

Period	18 months
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Dimensions



Dimensions in mm

a	b	c	G	J	Ø
98	106	105	84	86	5

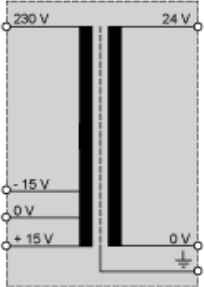
Dimensions in in.

a	b	c	G	J	Ø
3.86	4.17	4.13	3.31	3.39	0.20

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Internal Scheme

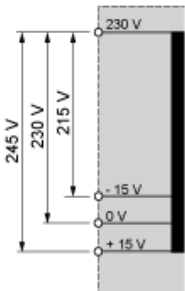
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Primary Voltage Wiring

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Secondary Voltage Wiring

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