

### Main

Range of product	Phaseo Economic
Product or component type	Safety and isolation transformer
Rated power in VA	160 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	87 %
Power dissipation in W	23.9 W
Voltage variation at nominal load	6.12 % at 230 V
Output sustained overvoltage	0,075 (no load, hot state)
Voltage drop at rated load	7.42 %
No load losses	9.6 W
Short-circuit voltage	9 %
Output protection type	Against overload, protection technology: external Against overvoltage, protection technology: external Against short-circuits, protection technology: external
Connections - terminals	Screw type terminals for input ground connection, connection capacity: 1 x 2.5...1 x 4 mm <sup>2</sup> AWG 14...AWG 11 Screw type terminals for input connection, connection capacity: 4 x 2.5...4 x 4 mm <sup>2</sup> AWG 14...AWG 11 Screw type terminals for output connection, connection capacity: 2 x 2.5...2 x 4 mm <sup>2</sup> AWG 14...AWG 11
Marking	CE

Fixing mode	By 4 screws, screw(s) Ø = 5 mm on horizontal panel with derating to 90 %, operating position: horizontal By 4 screws, screw(s) Ø = 5 mm on vertical panel By 4 screws, screw(s) Ø = 5 mm on vertical panel, operating position: vertical By clips (with mounting plate) on 35 mm symmetrical DIN rail
Operating altitude	3000 m
Electrical insulation class	Class B
Product weight	2.72 kg

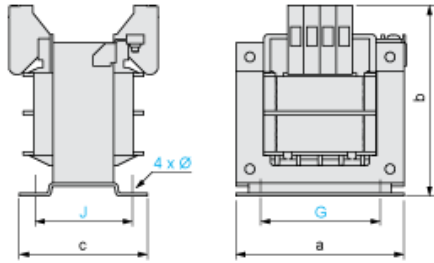
## Environment

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

## Contractual warranty

Warranty period	18 months
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Dimensions



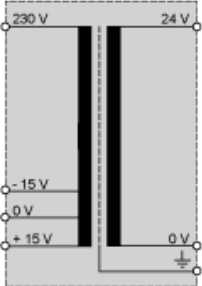
Dimensions in mm

a	b	c	G	J	Ø
96	105	91	84	75	5.8

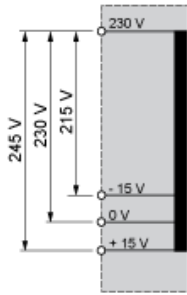
Dimensions in in.

a	b	c	G	J	Ø
3.78	4.13	3.58	3.31	2.95	0.23

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring



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