



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 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

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	7.5 % (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 connection , connection capacity: 4 x 2.5...4 x 4 mm ² AWG gauge14...11 Screw type terminals for input ground connection , connection capacity: 1 x 2.5...1 x 4 mm ² AWG gauge14...11 Screw type terminals for output connection , connection capacity: 2 x 2.5...2 x 4 mm ² AWG gauge14...11
Marking	CE
Fixing mode	By 4 screws , screw(s) # = 5 mm on vertical panel , operating position: vertical By 4 screws , screw(s) # = 5 mm on vertical panel , operating position: horizontal By 4 screws , screw(s) # = 5 mm on horizontal panel with derating to 90 %
Electrical insulation class	Class B
Product weight	2.72 kg

Environment

IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for operation	-20...40 °C
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	3200 V between input and ground 3200 V between output and ground 5100 V between input and output
RoHS EUR conformity date	0501
RoHS EUR status	Compliant