



## Main

Range of product	Phaseo Universal
Product or component type	Safety and isolation transformer
Rated power in VA	63 VA
Input voltage	230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2
Output voltage	24/48 V AC
Secondary winding	Double
Protective cover	With
Ambient air temperature for operation	-20...60 °C

## Complementary

Input voltage limits	207...253 V 360...440 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Efficiency	83 %
Power dissipation in W	12.9 W
Voltage variation at nominal load	0,047 at 400 V 4.79 % at 230 V
Output sustained overvoltage	0,033 (no load, hot state)
Voltage drop at rated load	3.88 %
No load losses	8.11 W
Short-circuit voltage	0,075
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: 5 x 4 mm <sup>2</sup> AWG gauge11 Screw type terminals for input ground connection, connection capacity: 1 x 4 mm <sup>2</sup> AWG gauge11 Screw type terminals for output connection, connection capacity: 4 x 4 mm <sup>2</sup> AWG gauge11
Marking	CE
Fixing mode	By clips on 35 x 15 mm symmetrical DIN rail By 4 screws, screw(s) Ø = 5.5 mm on horizontal panel with derating to 90 % By 4 screws, screw(s) Ø = 5.5 mm on vertical panel, operating position: horizontal By 4 screws, screw(s) Ø = 5.5 mm on vertical panel, operating position: vertical
Output coupling	Grounding of secondary Parallel Series by internal jumper
Electrical insulation class	Class B
Status LED	1 LED orange for input voltage
Product weight	1.94 kg

## Environment

Product certifications	CURus ENEC
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	3200 V between input and ground

3200 V between output and ground  
5100 V between input and output

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