

Main

Range of product	Phaseo Universal
Product or component type	Safety and isolation transformer
Rated power in VA	40 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	79 %
Power dissipation in W	10.6 W
Voltage variation at nominal load	6.16 % at 230 V 6.5 % at 400 V
Output sustained overvoltage	0,024 (no load, hot state)
Voltage drop at rated load	6 %
No load losses	6.73 W
Short-circuit voltage	0,106
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 ² AWG 11 Screw type terminals for input ground connection, connection capacity: 1 x 4 mm ² AWG 11 Screw type terminals for output connection, connection capacity: 4 x 4 mm ² AWG 11

Marking	CE
Fixing mode	By clips on 35 x 15 mm symmetrical DIN rail By 4 screws, screw(s) $\varnothing = 5.5$ mm on horizontal panel with derating to 90 % By 4 screws, screw(s) $\varnothing = 5.5$ mm on vertical panel, operating position: horizontal By 4 screws, screw(s) $\varnothing = 5.5$ mm on vertical panel, operating position: vertical
Output coupling	Series by internal jumper Grounding of secondary Parallel
Operating altitude	3000 m
Electrical insulation class	Class B
Status LED	Orange for input voltage
Product weight	1.4 kg

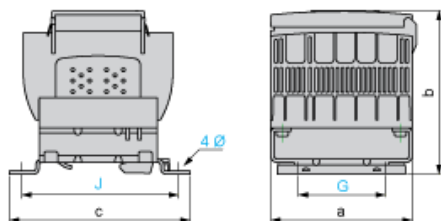
Environment

Product certifications	EAC UR
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
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



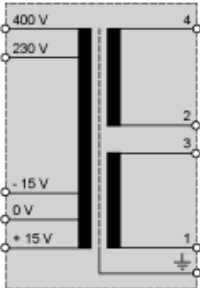
Dimensions in mm

a	b	c	G	J	Ø
87	104	108	60	96	5.5

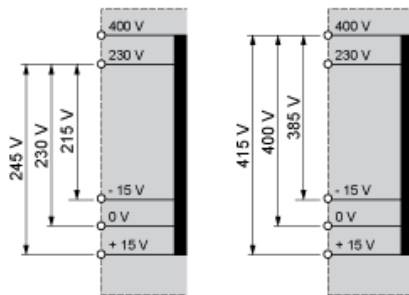
Dimensions in in.

a	b	c	G	J	Ø
3.42	4.09	4.25	2.36	3.78	0.22

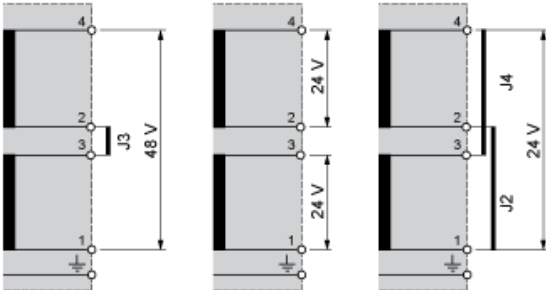
Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring



J2, J3, J4 Internal Jumper