



### Main

Range of product	Phaseo Rectified
Product or component type	Power supply
Power supply type	Rectified and filtered
Rated power in W	96 W
Input voltage	230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2
Output voltage	24 V DC
Power supply output current	4 A
Operating position	Horizontal at 40 °C Vertical at 60 °C

### Complementary

Input voltage limits	360...440 V 207...253 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Inrush current	9 A at 230 V 5.2 A at 400 V
Cos phi	0.689 at 230 V 0.867 at 400 V
Efficiency	75 %
Power dissipation in W	24 W
Residual ripple	<= 1200 mV
Holding time	14 ms
Output protection type	Against overload and short-circuits, protection technology: internal fuse, 4 A, 5 x 20 mm, T curve Against overvoltage, protection technology: 2 J peak limiter
Connections - terminals	For input connection: screw type terminals, connection capacity: 5 x 2.5...5 x 4 mm <sup>2</sup> AWG 14...AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 2.5...1 x 4 mm <sup>2</sup> AWG 14...AWG 11

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.

For output connection: screw type terminals, connection capacity: 4 x 2.5...4 x 4 mm<sup>2</sup> AWG 14...AWG 11

Marking	CE
Fixing mode	By clips (35 mm symmetrical DIN rail) By 4 screws
Output coupling	Series Parallel
Operating altitude	3000 m
Name of test	Conducted/radiated emissions conforming to EN 55011 class B Electrostatic discharges conforming to EN/IEC 61000-4-2 Emission conforming to EN 50081-1 Emission conforming to EN 61000-6-3 Rapid transient conforming to IEC 61000-4-4 Surge conforming to EN/IEC 61000-4-5
Status LED	1 LED (green)output voltage: 1 LED (orange)input voltage:
Depth	165 mm
Height	108 mm
Width	87 mm
Net weight	2.9 kg

## Environment

Product certifications	CULus KC UL 508 EAC
Environmental characteristic	EMC conforming to IEC 62041 Safety conforming to EN/IEC 61558-2-6 Safety conforming to UL 508 Safety conforming to UL 60950-1 EMC conforming to EN/IEC 61000-3-2
IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-40...80 °C
Relative humidity	0...95 % without condensation or dripping water
Electrical shock protection class	Class I conforming to VDE 0106-1
Vibration resistance	0.05 mm (f= 47...57 Hz) conforming to IEC 60068-1 0.7 gn (f= 13.9...47 Hz) conforming to IEC 60068-1 1 gn (f= 57...150 Hz) conforming to IEC 60068-1 1 mm (f= 3...13.9 Hz) conforming to IEC 60068-1
Dielectric strength	2000 V between input and ground 4600 V between input and output 500 V between output and ground

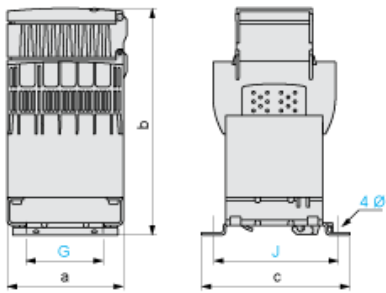
## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

## Contractual warranty

Warranty	18 months
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Dimensions



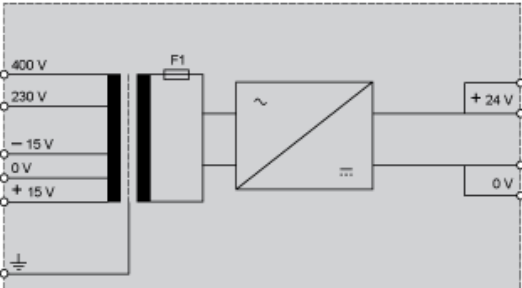
Dimensions in mm

a	b	c	G	J	Ø
87	165	108	60	96	5.5

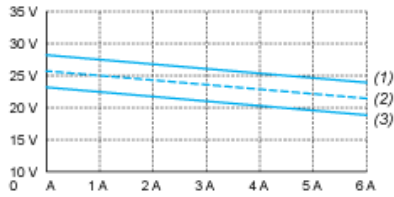
Dimensions in in.

a	b	c	G	J	Ø
3.42	6.50	4.25	2.36	3.78	0.22

Internal Wiring Diagram



Load Limits Curve



- (1) Nominal line supply + 10%
- (2) Nominal line supply
- (3) Nominal line supply - 10%