

## Main

Range of product	Phaseo Rectified
Product or component type	Power supply
Power supply type	Rectified and filtered
Rated power in W	480 W
Nominal 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	20 A
Anti-harmonic filter	Low frequency harmonic currents
Product certifications	UL 508 CULus KC EAC

## Complementary

Network frequency limits	47...63 Hz
Input voltage limits	360...440 V 207...253 V
Power Factor	0.671 at 400 V 0.698 at 230 V
Efficiency	80 %
Power dissipation in W	96 W
Output coupling	Series Parallel
Output protection type	Against overvoltage, protection technology: 2 J peak limiter Against overload and short-circuits, protection technology: external fuse, 25 A
Hold-up time	10 ms
Status LED	1 LED (green)output voltage 1 LED (orange)input voltage
Residual ripple	<= 1200 mV
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 For output connection: screw type terminals, connection capacity: 4 x 4 mm <sup>2</sup> AWG 11
Depth	128 mm
Height	215 mm
Width	175 mm
Net weight	13.22 kg
Compatibility code	ABL8F

## Environment

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
Operating altitude	3000 m
Safety class	Class I conforming to VDE 0106-1

Dielectric strength	2000 V between input and ground 4600 V between input and output 500 V between output and ground
Other 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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	14.32 kg
Package 1 Height	25.7 cm
Package 1 width	34.8 cm
Package 1 Length	35.3 cm
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Weight	65.78 kg
Package 2 Height	80 cm
Package 2 width	80 cm
Package 2 Length	60 cm

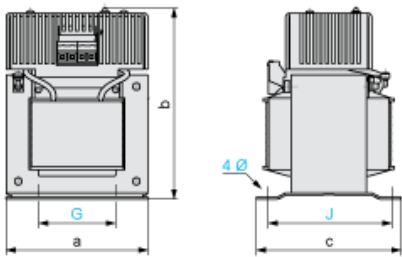
## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
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>
PVC free	Yes

## Contractual warranty

Warranty	18 months
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Dimensions



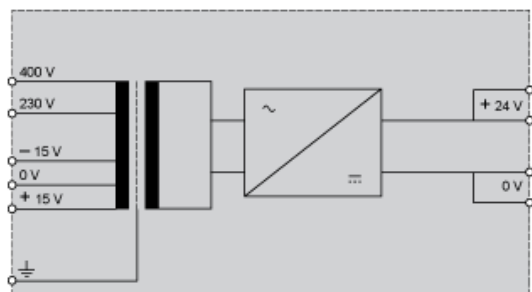
Dimensions in mm

a	b	c	G	J	Ø
175	215	128	135	105	6.5

Dimensions in in.

a	b	c	G	J	Ø
6.89	8.46	5.04	5.31	4.13	0.25

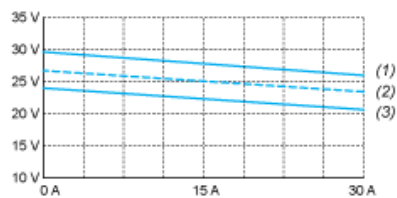
## Internal Wiring Diagram



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Load Limits Curve

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