



### Main

Range of product	Modicon Rectified
Product or component type	Power supply
Power supply type	Rectified and filtered
Rated power in W	12 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	0.5 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	207...253 V 360...440 V
Cos phi	0.656 at 230 V 0.881 at 400 V
Efficiency	71 %
Power dissipation in W	3.48 W
Output coupling	Parallel Series
Output protection type	Against overload and short-circuits, protection technology: internal-fuse, 0.5 A, 5 x 20 mm, T curve Against overvoltage, protection technology: 2 J peak limiter
Holding time	17 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 2.5...4 x 4 mm <sup>2</sup> AWG 14...AWG 11
Depth	123.0 Mm

Height	108 Mm
Width	87 Mm
Net weight	1.28 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
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
Electrical shock protection 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
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	1.607 Kg
Package 1 Height	11.5 Cm
Package 1 width	18.5 Cm
Package 1 Length	25.5 Cm
Unit Type of Package 2	P06
Number of Units in Package 2	30
Package 2 Weight	61.21 Kg
Package 2 Height	73.5 Cm
Package 2 width	60.0 Cm
Package 2 Length	80.0 Cm

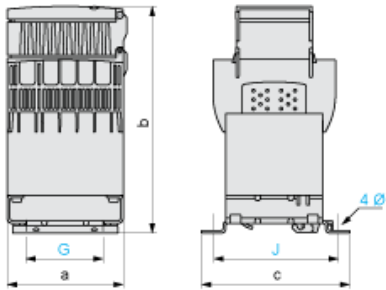
## Offer Sustainability

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
----------	-----------

Dimensions



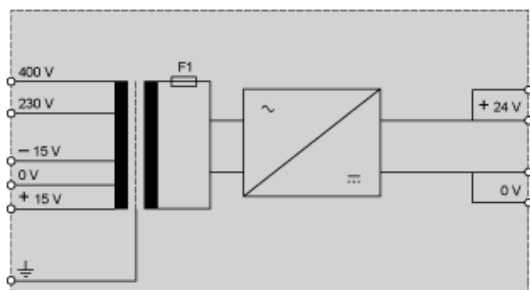
Dimensions in mm

a	b	c	G	J	Ø
87	124	108	60	96	5.5

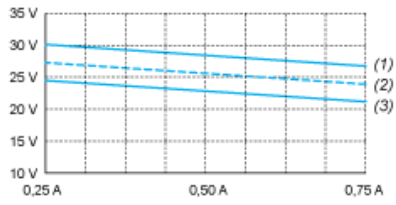
Dimensions in in.

a	b	c	G	J	Ø
3.42	4.88	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%

Product Life Status : **Commercialised**