



Main

Range of product	Modicon Rectified
Product or component type	Power supply
Power supply type	Rectified and filtered
Rated power in W	24 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	1 A
Anti-harmonic filter	Low frequency harmonic currents
Product certifications	KC EAC UL 508 cULus

Complementary

Network frequency limits	47...63 Hz
Input voltage limits	207...253 V 360...440 V
Cos phi	0.764 at 230 V 0.905 at 400 V
Efficiency	75 %
Power dissipation in W	6 W
Output coupling	Parallel Series
Output protection type	Against overload and short-circuits, protection technology: internal-fuse, 1 A, 5 x 20 mm, T curve Against overvoltage, protection technology: 2 J peak limiter
Holding time	15 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 ² AWG 14...AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 2.5...1 x 4 mm ² AWG 14...AWG 11 For output connection: screw type terminals, connection capacity: 4 x 2.5...4 x 4 mm ² 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	1.595 Kg
Package 1 Height	11.5 Cm
Package 1 width	18.8 Cm
Package 1 Length	25.8 Cm
Unit Type of Package 2	P06
Number of Units in Package 2	30
Package 2 Weight	60.85 Kg
Package 2 Height	73.5 Cm
Package 2 width	60.0 Cm
Package 2 Length	80.0 Cm

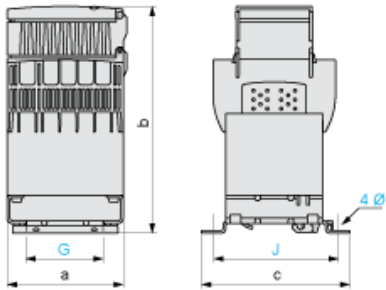
Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
PVC free	Yes

Contractual warranty

Warranty	18 months
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Dimensions



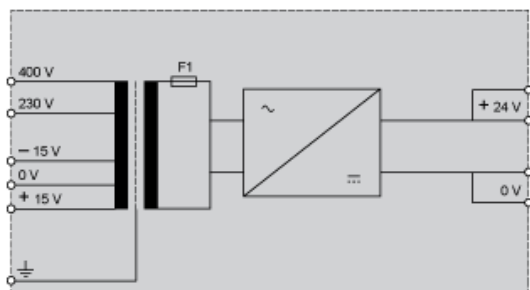
Dimensions in mm

a	b	c	G	J	Ø
87	124	108	60	96	5.5

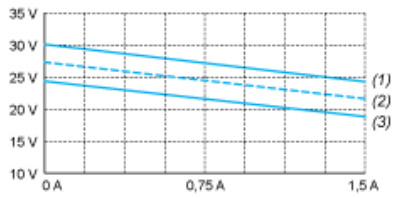
Dimensions in in.

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**