

ABL8FEQ24060

rectified and filtered power supply - 1 or 2-phase -
400 V AC - 24 V - 6 A



Main

Range of product	Phaseo Rectified
Product or component type	Power supply
Power supply type	Rectified and filtered
Rated power in W	144 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	6 A
Operating position	Horizontal at 40 °C Vertical at 60 °C

Complementary

Input voltage limits	207...253 V 360...440 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 15 V
Inrush current	10 A at 230 V 5.78 A at 400 V
Cos phi	0.781 at 230 V 0.86 at 400 V
Efficiency	75 %
Power dissipation in W	36 W
Residual ripple	<= 1200 mV
Holding time	14 ms
Output protection type	Against overvoltage, protection technology: 2 J peak limiter Against overload and short-circuits, protection technology: internal fuse, 6.3 A, 5 x 20 mm, T curve
Connections - terminals	Screw type terminals for input connection, connection capacity: 5 x 2.5...5 x 4 mm ² AWG 14...AWG 11 Screw type terminals for input ground connection, connection capacity: 1 x 2.5...1 x 4 mm ² AWG 14...AWG 11 Screw type terminals for output connection, connection capacity: 4 x 2.5...4 x 4 mm ² AWG 14...AWG 11
Marking	CE
Fixing mode	By 4 screws
Output coupling	Parallel Series
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 for output voltage 1 LED orange for input voltage
Depth	153 mm
Height	153 mm
Width	123 mm
Product weight	4.94 kg

Environment

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

product certifications

CULus
UL 508
EAC
KC

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

dielectric strength

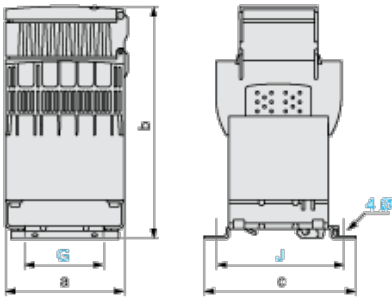
2000 V between input and ground
4600 V between input and output
500 V between output and ground

Contractual warranty

Warranty period

18 months

Dimensions



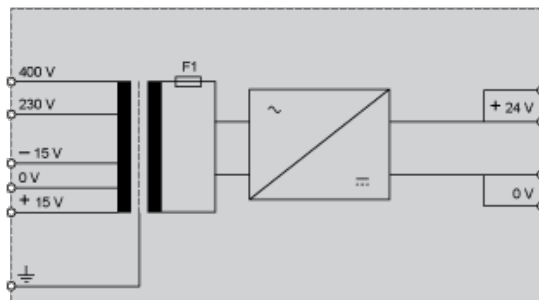
Dimensions in mm

a	b	c	G	J	Ø
123	153	153	82	136	6.5

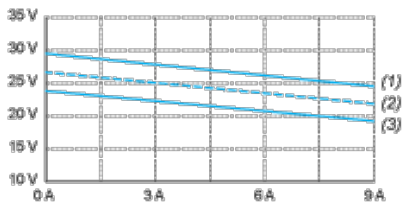
Dimensions in in.

a	b	c	G	J	Ø
4.84	6.02	6.02	3.23	5.35	0.25

Internal Wiring Diagram



Load Limits Curve



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