

Product data sheet

Characteristics

ABL8FEQ24100

rectified and filtered power supply - 1 or 2-phase - 400 V AC - 24 V - 10 A



Main

Range of product	Phaseo Rectified
Product or component type	Power supply
Power supply type	Rectified and filtered
Rated power in W	240 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	10 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	9.24 A at 400 V 16 A at 230 V
Cos phi	0.783 at 230 V 0.834 at 400 V
Efficiency	80 %
Power dissipation in W	48 W
Residual ripple	≤ 1200 mV
Holding time	15 ms
Output protection type	Against overload and short-circuits , protection technology: external fuse , 12 A Against overvoltage , protection technology: 2 J peak limiter
Connections - terminals	Screw type terminals for input connection , connection capacity: 5 x 2.5...5 x 4 mm ² AWG gauge14...11 Screw type terminals for input ground connection , connection capacity: 1 x 2.5...1 x 4 mm ² AWG gauge14...11 Screw type terminals for output connection , connection capacity: 4 x 4 mm ² AWG gauge11
Marking	CE
Fixing mode	By 4 screws
Output coupling	Parallel Series
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 61000-6-3 Emission conforming to EN 50081-1 Rapid transient conforming to IEC 61000-4-4 Surge conforming to EN/IEC 61000-4-5
Status LED	1 LED orange for input voltage 1 LED green for output voltage
Product weight	7.66 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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.

Environment

Product certifications	ENEC CULus
Environmental characteristic	EMC conforming to IEC 62041 EMC conforming to EN/IEC61000-3-2 Safety conforming to EN/IEC 61558-2-6 Safety conforming to UL 60950-1 Safety conforming to UL 508
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
Class of protection against electric shock	Class I conforming to VDE 0106-1
Dielectric strength	500 V between output and ground 2000 V between input and ground 4600 V between input and output
RoHS EUR conformity date	0501
RoHS EUR status	Compliant