

ABL8TEQ24100

rectified and filtered power supply - 3-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	400 V AC three phase, terminal(s): L1, L2, L3
Output voltage	24 V DC
Power supply output current	10 A
Operating position	Vertical at 55 °C Horizontal at 40 °C

Complementary

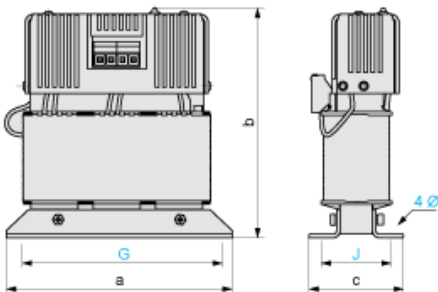
Input voltage limits	360...440 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 20 V
Inrush current	7 A at 400 V
Cos phi	0.872 at 400 V
Efficiency	73 %
Power dissipation in W	64 W
Residual ripple	<= 480 mV
Holding time	4 ms
Output protection type	Against overvoltage, protection technology: 2 J peak limiter Against overload and short-circuits, protection technology: external fuse, 12 A
Connections - terminals	Screw type terminals for output connection, connection capacity: 4 x 4 mm ² AWG gauge11 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 input connection, connection capacity: 9 x 2.5...9 x 4 mm ² AWG gauge14...11
Marking	CE
Fixing mode	By 4 screws
Output coupling	Parallel Series
Name of test	Surge conforming to EN/IEC 61000-4-5 Rapid transient conforming to IEC 61000-4-4 Emission conforming to EN 61000-6-3 Emission conforming to EN 50081-1 Electrostatic discharges conforming to EN/IEC 61000-4-2 Conducted/Radiated emissions conforming to EN 55011 class B
Status LED	1 LED green for output voltage
Depth	78 mm
Height	190 mm
Width	185 mm
Product weight	4.72 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the products 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	CULus ENEC
Environmental characteristic	Safety conforming to UL 60950-1 Safety conforming to UL 508 Safety conforming to EN/IEC 61558-2-6 EMC conforming to IEC 62041 EMC conforming to EN/IEC61000-3-2
IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for operation	-20...55 °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 4600 V between input and output 2000 V between input and ground

Dimensions



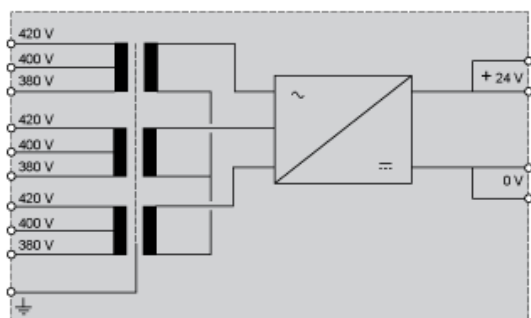
Dimensions in mm

a	b	c	G	J	Ø
185	190	78	165	58	6.5

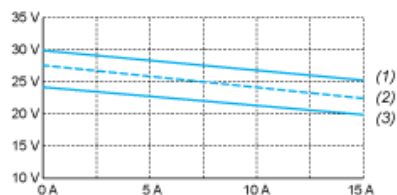
Dimensions in in.

a	b	c	G	J	Ø
7.28	7.48	3.07	6.50	2.28	0.25

Internal Wiring Diagram



Load Limits Curve



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