

ABL8TEQ24300

rectified and filtered power supply - 3-phase -
400 V AC - 24 V - 30 A



Main

Range of product	Phaseo Rectified
Product or component type	Power supply
Power supply type	Rectified and filtered
Rated power in W	720 W
Input voltage	400 V AC three phase, terminal(s): L1, L2, L3
Output voltage	24 V DC
Power supply output current	30 A
Operating position	Vertical at 55 °C Horizontal at 40 °C

Complementary

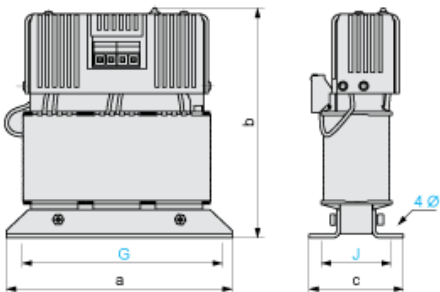
Input voltage limits	360...440 V
Network frequency limits	47...63 Hz
Input voltage tolerance	+/- 20 V
Inrush current	20 A at 400 V
Cos phi	0.835 at 400 V
Efficiency	77 %
Power dissipation in W	165 W
Residual ripple	<= 480 mV
Holding time	7 ms
Output protection type	Against overvoltage, protection technology: 2 J peak limiter Against overload and short-circuits, protection technology: external fuse, 40 A
Connections - terminals	Screw type terminals for output connection, connection capacity: 4 x 10...4 x 16 mm ² AWG gauge8...6 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	108 mm
Height	252 mm
Width	240 mm
Product weight	13 kg

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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



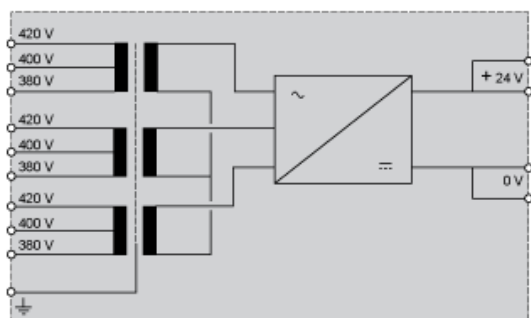
Dimensions in mm

a	b	c	G	J	Ø
240	252	108	220	87	8

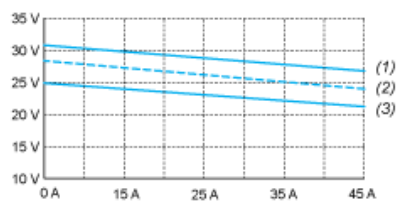
Dimensions in in.

a	b	c	G	J	Ø
9.45	9.92	4.25	8.66	3.42	0.31

Internal Wiring Diagram



Load Limits Curve



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