

Product datasheet

Specifications



rectified and filtered power supply - 3-phase - 400 V AC - 24 V - 60 A

ABL8TEQ24600

 **Discontinued on:** Apr 3, 2023 AD

 **Discontinued**

Main

Range of product	Modicon Rectified
Product or component type	Power supply
Power supply type	Rectified and filtered
Rated power in W	1440 W
Nominal input voltage	400 V AC three phase, terminal(s): L1, L2, L3
Output voltage	24 V DC
Power supply output current	60 A
Anti-harmonic filter	Low frequency harmonic currents
Product certifications	KC UL 508 EAC cULus

Complementary

Network frequency limits	47...63 Hz
Input voltage limits	360...440 V
Power Factor	0.757 at 400 V
Efficiency	78 %
Power dissipation in W	316 W
Output coupling	Series Parallel
Output protection type	Against overvoltage, protection technology: 2 J peak limiter Against overload and short-circuits, protection technology: external fuse, 80 A
Hold-up time	4 ms
Status LED	1 LED (green) output voltage
Connections - terminals	For input ground connection: screw type terminals, connection capacity: 1 x 2.5...1 x 4 mm² AWG 14...AWG 11 For input connection: screw type terminals, connection capacity: 9 x 2.5...9 x 4 mm² AWG 14...AWG 11 For output connection: screw type terminals, connection capacity: 4 x 16 mm² AWG 6
Depth	305.0 mm
Height	153.0 mm
width	300.0 mm
Net weight	26.71 kg
Compatibility code	ABL8T

Disclaimer: 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

Environment

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
Operating altitude	3000 m
Safety 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
Other 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 Height	59.0 cm
Package 1 Width	80.0 cm
Package 1 Length	60.0 cm
Package 1 Weight	29.554 kg
Unit Type of Package 2	S06
Number of Units in Package 2	1
Package 2 Height	75.0 cm
Package 2 Width	60.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	42.554 kg

Contractual warranty

Warranty	18 months
----------	-----------

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

How this information helps you >

Environmental footprint

Environmental Disclosure

[Product Environmental Profile](#)

Use Better

Materials and Substances

EU RoHS Directive

Pro-active compliance
(Product out of EU RoHS legal scope)

SCIP Number

93c35204-c30d-4a1c-be25-b7657ea12b91

China RoHS Regulation

[China RoHS declaration](#)

PVC free

Yes

Use Again

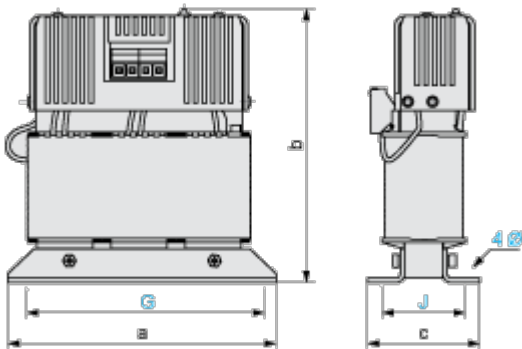
Repack and remanufacture

Circularity Profile

[End of Life Information](#)

Dimensions Drawings

Dimensions



Dimensions in mm

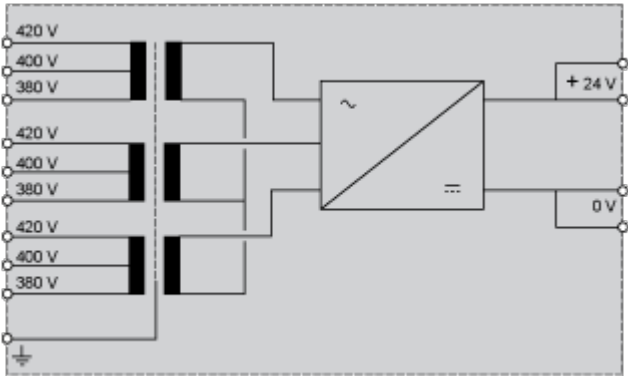
a	b	c	G	J	Ø
310	310	154	260	130	11

Dimensions in in.

a	b	c	G	J	Ø
12.20	12.20	6.06	10.24	5.12	0.43

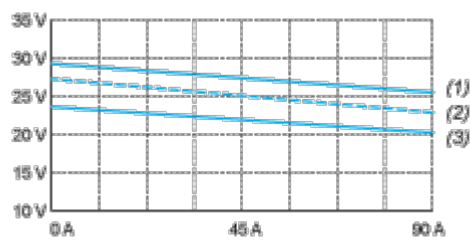
Connections and Schema

Internal Wiring Diagram



Performance Curves

Load Limits Curve



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

Image of product / Alternate images

Alternative

