

Product datasheet

Specifications



rectified and filtered power supply - 3-phase - 400 V AC - 24 V - 40 A

ABL8TEQ24400

⚠ To be discontinued on: Dec 31, 2025 AD

⚠ To be end-of-service on: Dec 31, 2026 AD

⚠ To be discontinued

Main

Range of product	Modicon Rectified
Product or component type	Power supply
Power supply type	Rectified and filtered
Rated power in W	960 W
Nominal input voltage	400 V AC three phase, terminal(s): L1, L2, L3
Output voltage	24 V DC
Power supply output current	40 A
Anti-harmonic filter	Low frequency harmonic currents
Product certifications	KC cULus UL 508 EAC

Complementary

Network frequency limits	47...63 Hz
Input voltage limits	360...440 V
Power Factor	0.857 at 400 V
Efficiency	78 %
Power dissipation in W	211 W
Output coupling	Parallel Series
Output protection type	Against overvoltage, protection technology: 2 J peak limiter Against overload and short-circuits, protection technology: external fuse, 50 A
Hold-up time	5 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	132.0 mm
width	302.0 mm
Net weight	17.30 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	25.000 cm
Package 1 Width	42.500 cm
Package 1 Length	40.500 cm
Package 1 Weight	20.428 kg
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	90.212 kg

Contractual warranty

Warranty	18 months
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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

Packaging made with recycled cardboard	No
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Packaging without single use plastic	No
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EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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SCIP Number	93c35204-c30d-4a1c-be25-b7657ea12b91
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REACH Regulation	REACH Declaration
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China RoHS Regulation	China RoHS declaration
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PVC free	Yes
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Use Again

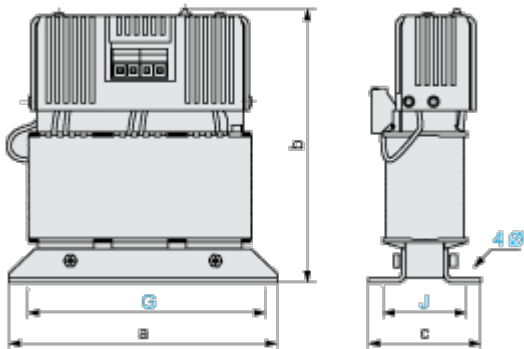
Repack and remanufacture

Circularity Profile	End of Life Information
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Take-back	No
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Dimensions Drawings

Dimensions



Dimensions in mm

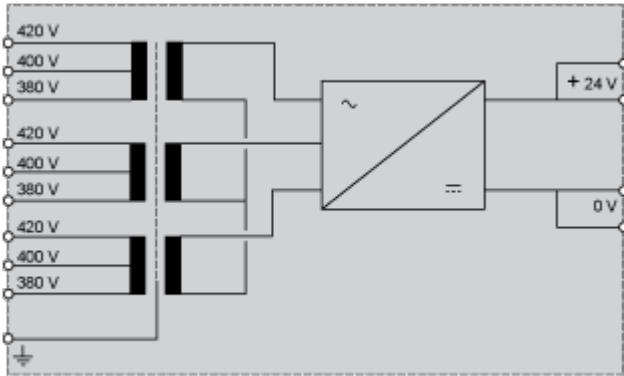
a	b	c	G	J	Ø
310	310	140	260	95	11

Dimensions in in.

a	b	c	G	J	Ø
12.20	12.20	5.51	10.24	3.74	0.43

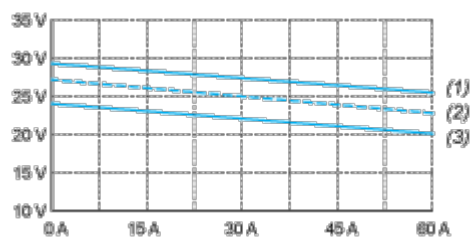
Connections and Schema

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

