

# Product datasheet

Specifications



## rectified and filtered power supply - 3-phase - 400 V AC - 24 V - 20 A

ABL8TEQ24200

! Discontinued on: 5 Apr 2023

! To be end-of-service on: 1 June 2025

! Discontinued

### Main

Range Of Product	Modicon Rectified
Product Or Component Type	Power supply
Power Supply Type	Rectified and filtered
Rated Power In W	480 W
Nominal Input Voltage	400 V AC three phase, terminal(s): L1, L2, L3
Output Voltage	24 V DC
Power Supply Output Current	20 A
Anti-Harmonic Filter	Low frequency harmonic currents
Product Certifications	EAC KC UL 508 cULus

### Complementary

Network Frequency Limits	47...63 Hz
Input Voltage Limits	360...440 V
Power Factor	0.81 at 400 V
Efficiency	78 %
Power Dissipation In W	105 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, 25 A
Hold-Up Time	6 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 mm <sup>2</sup> AWG 14...AWG 11 For input connection: screw type terminals, connection capacity: 9 x 2.5...9 x 4 mm <sup>2</sup> AWG 14...AWG 11 For output connection: screw type terminals, connection capacity: 4 x 10...4 x 16 mm <sup>2</sup> AWG 8...AWG 6
Depth	213.0 mm
Height	102.0 mm
Width	220 mm
Net Weight	9.79 kg

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Compatibility Code	ABL8T
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## Environment

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Ip Degree Of Protection	IP20 conforming to EN/IEC 60529
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Ambient Air Temperature For Operation	-20...55 °C
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Ambient Air Temperature For Storage	-40...80 °C
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Relative Humidity	0...95 % without condensation or dripping water
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Operating Altitude	3000 m
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Safety Class	Class I conforming to VDE 0106-1
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Dielectric Strength	2000 V between input and ground 4600 V between input and output 500 V between output and ground
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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
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## Packing Units

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Unit Type Of Package 1	PCE
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Number Of Units In Package 1	1
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Package 1 Height	16.400 cm
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Package 1 Width	32.600 cm
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Package 1 Length	36.800 cm
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Package 1 Weight	10.988 kg
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Unit Type Of Package 2	P06
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Number Of Units In Package 2	12
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Package 2 Height	105.000 cm
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Package 2 Width	60.000 cm
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Package 2 Length	80.000 cm
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Package 2 Weight	140.000 kg
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## Contractual warranty

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Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Mercury Free

Rohs Exemption Information Yes

Pvc Free

## Certifications & Standards

Reach Regulation [REACH Declaration](#)

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

China Rohs Regulation [China RoHS declaration](#)

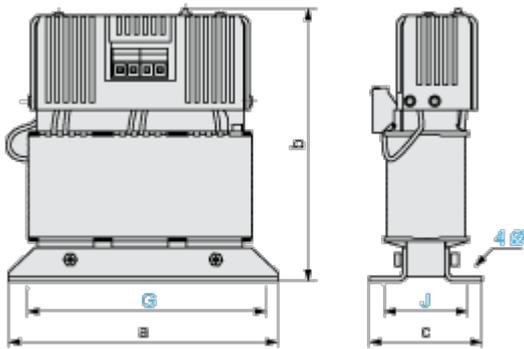
Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile [End of Life Information](#)

Dimensions Drawings

Dimensions

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Dimensions in mm

a	b	c	G	J	Ø
220	215	104	200	80	8

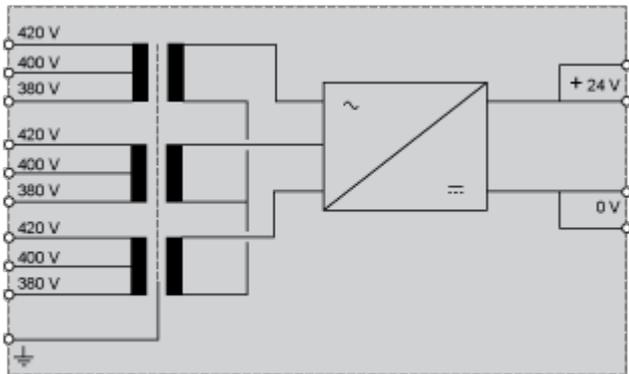
Dimensions in in.

a	b	c	G	J	Ø
8.66	8.46	4.09	7.87	3.15	0.31

Connections and Schema

Internal Wiring Diagram

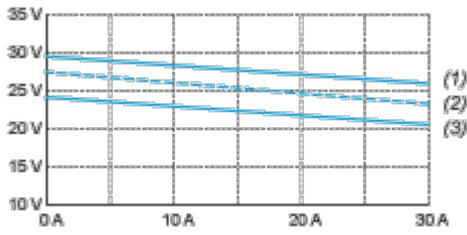
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Performance Curves

Load Limits Curve

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