

# Product data sheet

Specifications



## rectified and filtered power supply - 3-phase - 400 V AC - 24 V - 10 A

ABL8TEQ24100

⚠ To be discontinued on: Dec 20, 2024

⚠ To be end-of-service on: Dec 20, 2025

⚠ 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	240 W
Nominal Input Voltage	400 V AC three phase, terminal(s): L1, L2, L3
Output Voltage	24 V DC
Power Supply Output Current	10 A
Anti-Harmonic Filter	Low frequency harmonic currents
Product Certifications	EAC UL 508 KC cULus

### Complementary

Network Frequency Limits	47...63 Hz
Input Voltage Limits	360...440 V
Power Factor	0.872 at 400 V
Efficiency	73 %
Power Dissipation In W	64 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, 12 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 output connection: screw type terminals, connection capacity: 4 x 4 mm² AWG 11 For input connection: screw type terminals, connection capacity: 9 x 2.5...9 x 4 mm² AWG 14...AWG 11
Depth	187.0 mm
Height	77.0 mm
Width	185 mm
Net Weight	4.65 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	37.000 cm
Package 1 Width	32.500 cm
Package 1 Length	17.000 cm
Package 1 Weight	6.054 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	12
Package 2 Height	105.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	81.148 kg

## Contractual warranty

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](#)

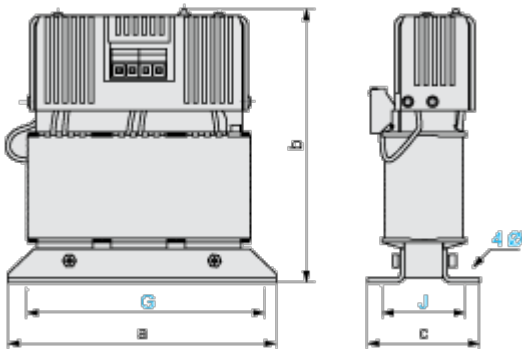
✓ Pvc Free

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Dimensions Drawings

Dimensions



Dimensions in mm

a	b	c	G	J	Ø
185	190	78	165	58	6.5

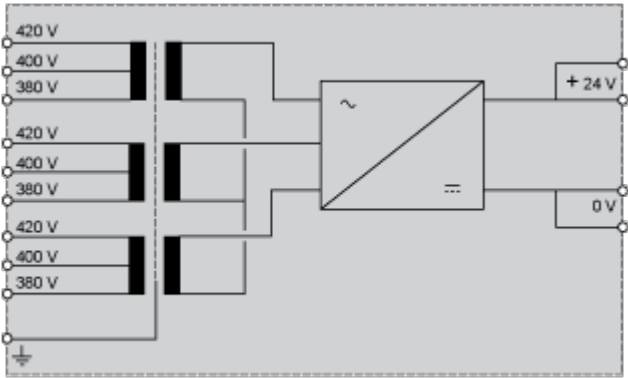
Dimensions in in.

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

Connections and Schema

Internal Wiring Diagram

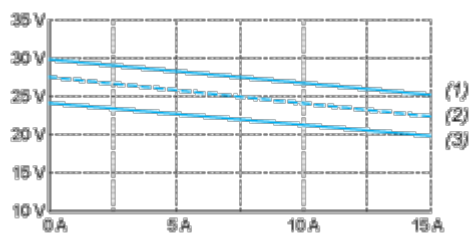
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Performance Curves

Load Limits Curve

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