# **Product datasheet**

Specification





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

ABL8TEQ24600

- Discontinued on: Sep 4, 2023
- ! To be end-of-service on: Sep 3, 2025

#### ! Discontinued

#### Main

mann					
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	t 60 A				
Anti-Harmonic Filter	Low frequency harmonic currents				
Product Certifications	KC				
	UL 508				
	EAC				
	cULus				
	00100				

#### Complementary

Network Frequency Limits	4763 Hz
Input Voltage Limits	360440 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 2.51 x 4 mm² AWG 14AWG 11 For input connection: screw type terminals, connection capacity: 9 x 2.59 x 4 mm²
	AWG 14AWG 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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

# **Environment**

Ip Degree Of Protection	IP20 conforming to EN/IEC 60529				
Ambient Air Temperature For Operation	-2055 °C				
Ambient Air Temperature For Storage	-4080 °C				
Relative Humidity	095 % 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



**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass 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	
<b>⊘</b>	Rohs Exemption Information	Yes
<b>②</b>	Pvc Free	

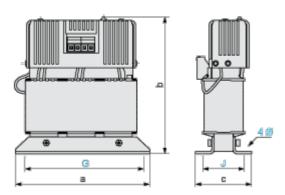
#### **Certifications & Standards**

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		

# **ABL8TEQ24600**

#### **Dimensions Drawings**

#### **Dimensions**



#### Dimensions in mm

а	b	С	G	J	Ø
310	310	154	260	130	11

#### Dimensions in in.

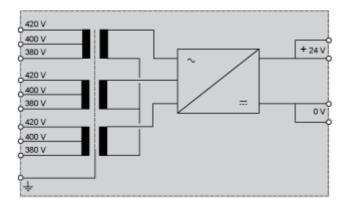
а	b	С	G	J	Ø
12.20	12.20	6.06	10.24	5.12	0.43

# Product datasheet

# **ABL8TEQ24600**

#### Connections and Schema

#### **Internal Wiring Diagram**

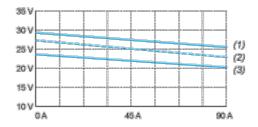


# **Product datasheet**

# **ABL8TEQ24600**

#### Performance Curves

#### **Load Limits Curve**



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