Product datasheet

Specifications





(!) To be discontinued

rectified and filtered power supply - 1 or 2-phase - 400 V AC - 24 V - 4

Local distributor code: 389706559

Α

ABL8FEQ24040

(!) To be discontinued on: 30 May 2024

(!) To be end-of-service on: 30 May 2025

EAN Code: 3389119401326

Main

Modicon Rectified
Power supply
Rectified and filtered
96 W
230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2
24 V DC
4 A
Low frequency harmonic currents
cULus KC UL 508 EAC

Complementary

Network Frequency Limits	4763 Hz
Input Voltage Limits	360440 V
	207253 V
Power Factor	0.689 at 230 V
	0.867 at 400 V
Efficiency	75 %
Power Dissipation In W	24 W
Output Coupling	Series
	Parallel
Output Protection Type	Against overload and short-circuits, protection technology: internal fuse, 4 A, 5 x 20
	mm, T curve
	Against overvoltage, protection technology: 2 J peak limiter
Hold-Up Time	14 ms
Status Led	1 LED (green) output voltage
	1 LED (orange) input voltage
Residual Ripple	<= 1200 MV

Connections - Terminals	For input connection: screw type terminals, connection capacity: 5 x 2.55 x 4 mm ² AWG 14AWG 11				
	For input ground connection: screw type terminals, connection capacity: 1 x 2.51 x 4 mm² AWG 14AWG 11				
	For output connection: screw type terminals, connection capacity: 4 x 2.54 x 4 mm² AWG 14AWG 11				
Depth	164.0 mm				
Height	108 mm				
Width	87 mm				
Net Weight	2.98 kg				
Compatibility Code	ABL8F				

Environment

Ip Degree Of Protection	IP20 conforming to EN/IEC 60529			
Ambient Air Temperature For Operation	-2060 °C			
Ambient Air Temperature For Storage	-4080 °C			
Relative Humidity	095 % without condensation or dripping water			
Operating Altitude	3000 m			
Vibration Resistance	0.05 mm (f= 4757 Hz) conforming to IEC 60068-1 0.7 gn (f= 13.947 Hz) conforming to IEC 60068-1 1 gn (f= 57150 Hz) conforming to IEC 60068-1 1 mm (f= 313.9 Hz) conforming to IEC 60068-1			
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	25.500 cm
Package 1 Width	18.500 cm
Package 1 Length	11.500 cm
Package 1 Weight	3.220 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	30
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	109.600 kg

Contractual warranty

Warranty

2

18 months

Sustainability Screen Premium

Green PremiumTM 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-CO₂ 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

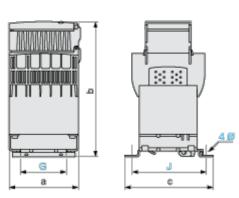
Certifications & Standards

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		

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Dimensions Drawings

Dimensions



Dimensions in mm

а	b	с	G	J	Ø	
87	165	108	60	96	5.5	

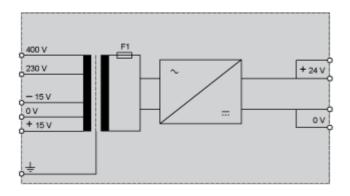
Dimensions in in.

а	b	с	G	J	Ø
3.42	6.50	4.25	2.36	3.78	0.22

Product datasheet

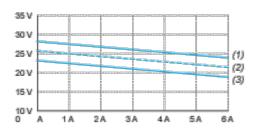
Connections and Schema

Internal Wiring Diagram



Performance Curves

Load Limits Curve



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