Product datasheet

Specifications



rectified and filtered power supply - 1 or 2-phase - 400 V AC - 24 V - 6 A

ABL8FEQ24060

Discontinued on: 31 Dec 2025

To be end-of-service on: 31 Dec 2026

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	144 W
Nominal input voltage	230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2
Output voltage	24 V DC
Power supply output current	6 A
Anti-harmonic filter	Low frequency harmonic currents
Product certifications	KC UL 508 EAC cULus

Complementary

Network frequency limits	47…63 Hz
Input voltage limits	207...253 V 360...440 V
Power Factor	0.781 at 230 V 0.86 at 400 V
Efficiency	75 %
Power dissipation in W	36 W
Output coupling	Series Parallel
Output protection type	Against overload and short-circuits, protection technology: internal fuse, 6.3 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 2.5...5 x 4 mm² 14 AWG...11 AWG For input ground connection: screw type terminals, connection capacity: 1 x 2.5...1 x 4 mm² 14 AWG...11 AWG For output connection: screw type terminals, connection capacity: 4 x 2.5...4 x 4 mm² 14 AWG...11 AWG
Depth	153.0 mm

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

Height	152.0 mm
Width	123 mm
Net weight	4.91 kg
Compatibility code	ABL8F

Environment

IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-20…60 °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 IEC 61000-3-2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	27.500 cm
Package 1 Width	26.500 cm
Package 1 Length	15.100 cm
Package 1 Weight	5.474 kg
Unit Type of Package 2	P06
Number of Units in Package 2	24
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	138.916 kg

Contractual warranty

Warranty (in months)	18

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.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	93c35204-c30d-4a1c-be25-b7657ea12b91
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
PVC free	Yes

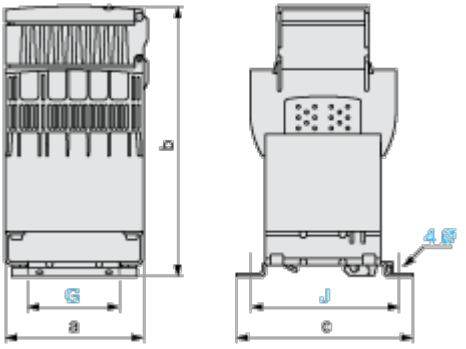
Use Again

Repack and remanufacture

End of life manual availability	End of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Dimensions



Dimensions in mm

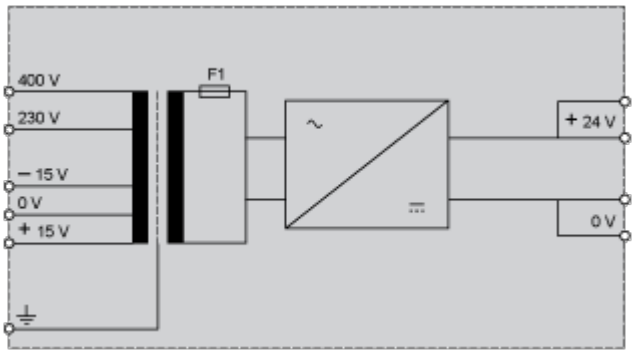
a	b	c	G	J	Ø
123	153	153	82	136	6.5

Dimensions in in.

a	b	c	G	J	Ø
4.84	6.02	6.02	3.23	5.35	0.25

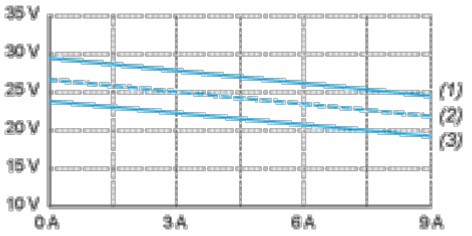
Connections and Schema

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

