

Product data sheet

Specifications



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

ABL8FEQ24060

! To be discontinued on: 01 June 2023

! To be end-of-service on: 01 June 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	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 mm ² AWG 14...AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 2.5...1 x 4 mm ² AWG 14...AWG 11 For output connection: screw type terminals, connection capacity: 4 x 2.5...4 x 4 mm ² AWG 14...AWG 11

Depth	153.0 mm
Height	152.0 mm
Width	123 mm
Net weight	4.91 kg
Compatibility code	ABL8F

Environment

IP degree of protection	IP20 conforming to EN/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 EN/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

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

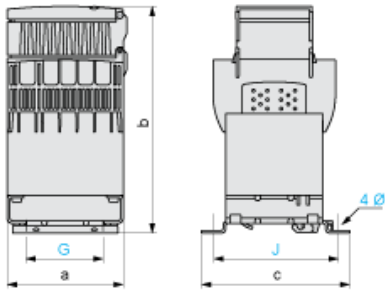
PVC free	Yes
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California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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Contractual warranty

Warranty	18 months
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Dimensions



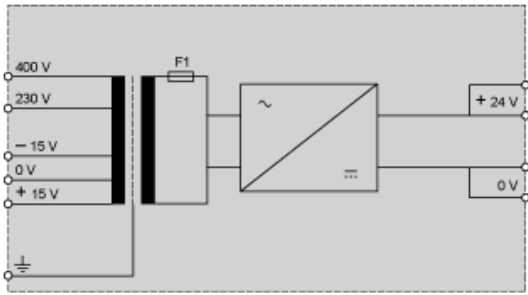
Dimensions in mm

a	b	c	G	J	Ø
123	153	153	82	136	6.5

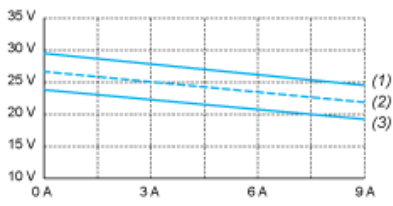
Dimensions in in.

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

Internal Wiring Diagram



Load Limits Curve



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

Recommended replacement(s)

ABL8FEQ24060 is replaced by:

1x



Regulated Switch Power Supply, 1 or 2-phase, 100..500V, 24V, 10 A
ABL8RPS24100
