

Modicon Power Supply

Regulated power supply for industrial use, rail mounting

Functional modules for Modicon ABL8RP/WP Universal Power Supply

Functionality		Supplying 5 Vdc to 15 Vdc auxiliary voltage		Continuity of service after a failure of power supply equipment		Continuity of service: Solutions to microbreaks and power outages		Solution for discriminating protection of the application	
									
Input Voltage		24 Vdc				24 Vdc			
Output voltage		5...6.5 Vdc	7...15 Vdc	24 Vdc		24 Vdc		24 Vdc	
Certifications and standards (1)		- CE marking - EAC - CSA - RCM - UL		- CE marking - EAC - CSA - RCM - UL		- CE marking - EAC - CSA - RCM - UL		- CE marking - EAC - CSA - RCM - UL	
Functional module type		Converter module		Redundancy module		Battery control modules		Buffer module	
Output current	2 A	ABL8DCC12020							
	6 A	ABL8DCC05060							
	10 A								
	20 A								
	40 A			ABL8RED24400					
Battery capacity	3.2 Ah								
	7 Ah								
	12 Ah								
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(1) Consult detail on conformity to standards for each reference in the product data sheet, click on [product reference](#) to open it.

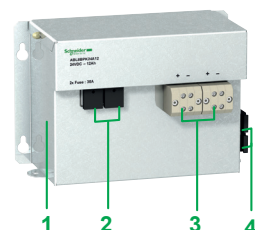
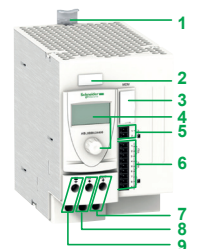
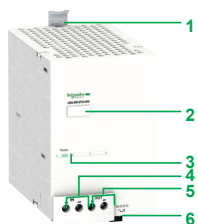
Note: Phaseo Functional modules shown in this document are identified as Modicon as they will undergo a future brand change.

All other product documentation will reference Phaseo until the brand change occurs.

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ABL8BUF24400



ABL8BBU24200



ABL8BBU24400



ABL8BPK24A03, ABL8BPK24A07,
ABL8BPK24A12

Continuity of service: Voltage holding in the event of a power outage

Description

Buffer module

- 1 Spring clip for 35 mm (1.37 in) rail
- 2 Clip-on marker label
- 3 LED indicator (green): module ready (maximum load)
- 4 10 mm² enclosed screw terminals for connection of the 24 Vdc input voltage
- 5 10 mm² enclosed screw terminals for connection of the 24 Vdc output voltage
- 6 Removable screw terminal block for connection of the diagnostic contact: module ready (maximum load)

Battery control modules

- 1 Spring clip for 35 mm (1.37 in) rail
- 2 Clip-on marker label
- 3 Memory card slot for backup and duplication of the configuration parameters
- 4 Display and configuration parameter browse/selection button
- 5 Removable screw connector for connection of the battery voltage inhibit input (terminal block supplied) (This contact must always be volt-free).
- 6 Removable screw connector for connection of the diagnostic contacts: power supply presence, battery presence (terminal block supplied)
- 7 10 mm² enclosed screw terminals for connection of the 24 Vdc output voltage
- 8 10 mm² enclosed screw terminals for connection of the power supply 24 Vdc input voltage
- 9 10 mm² enclosed screw terminals for connection of the battery voltage 24 Vdc input voltage

Battery modules

- 1 A metal box that can be fixed on a vertical or horizontal panel
- 2 Fuse carrier (one or two depending on the model), which, in addition to protect the output, can be used to disable the battery module (fuse supplied but not fitted)
- 3 10 mm² enclosed screw terminals for connection of the Battery module 24 Vdc output voltage (depending on the model, allows two Battery modules to be connected in parallel)
- 4 Fuse storage attachment

References

Functional module for Solutions to microbreaks and power outages

Designation	Use	Output current	Reference	Weight kg/lb
Buffer module	Holding time: 100 ms at 40 A, 2 s at 1 A	40 A	ABL8BUF24400	1.200/ 2.646

Battery control modules	Holding time: 9 min at 40 A to 2 hrs at 1 A (depending on use with a battery control module-battery unit and load) (1)	20 A	ABL8BBU24200	0.500/ 1.102
		40 A	ABL8BBU24400	0.700/ 1.543

Designation	Use	Capacity	Reference	Weight kg/lb
Battery modules	Holding time: 9 min at 40 A to 2 hrs at 1 A (depending on use with a battery control module-battery unit and load) (1)	3.2 Ah (2)	ABL8BPK24A03	3.500/ 7.716
		7 Ah (2)	ABL8BPK24A07	6.500/ 14.330
		12 Ah (2)	ABL8BPK24A12	12.000/ 26.455

Separate and replacement parts

Designation	For use with	Composition	Unit reference	Weight kg/lb
Fuse set	ABL8BPK24A03, ABL8BPK24A07, and ABL8BPK24A12 Battery modules	4 x 20 A and 6 x 30 A	ABL8FUS02	—
Legend holder	All functional modules except ABL8PRP24100	Order in multiples of 100	LAD90	0.001/ 0.002
EEPROM memory cartridge for backup and duplication of parameters	ABL8BBU24200 and ABL8BBU24400 Battery control modules	—	SR2MEM02	0.010/ 0.022

(1) Compatibility table for battery check module-battery unit with holding time depending on the load, see page 19.

(2) Supplied with 20 or 30 A fuse depending on the model.