

Modicon Power Supply
Regulated power supply for industrial use, rail mounting

Input Voltage	100...240 Vac															
Nominal output power	10 W	12 W	15 W	18 W	25 W	30 W	50 W	60 W								
																
Connection to world-wide line supplies	United States: 120 V (in phase-to-neutral) / 240 V (in phase-to-phase)								Single-phase (N-L1) or 2-phase (L1-L2) connection							
	Europe: 230 V (in phase-to-neutral) / 400 V (in phase-to-phase)								Single-phase (N-L1) connection							
	United States: 277 V (in phase-to-neutral) / 480 V (in phase-to-phase)								-							
Protection against overloads and short-circuits	Yes, with automatic restart after the source of overload/short-circuit has been corrected															
Diagnostic relay	-															
Certifications (1)	- CE marking - CB Scheme - cULus Listed - cURus Recognized - RCM - EAC															
Power supply type	Modicon ABLM Modular power supply															
Output voltage5V				ABLM1A05036												
12V		ABLM1A12010			ABLM1A12021		ABLM1A12042									
24V	ABLM1A24004		ABLM1A24006			ABLM1A24012		ABLM1A24025								
48V																
Output rating	NEC Class 2, Limited Power Source															
Compatibility with fonctionnal modules	-															
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(1) Consult detail on certification for each reference in the product data sheet, click on [product reference](#) to open it.

100...240 Vac, 140...340 Vdc (2)						100...120 Vac and 200...500 Vac			100...120 Vac, 200...240 Vac	380...500 Vac	
50 W	75 W	91.2 W	120 W	240 W	480 W	75 W	120 W	240 W	480 W	480 W	960 W
											
Single-phase (N-L1) or 2-phase (L1-L2) connection						Single-phase (N-L1) or 2-phase (L1-L2) connection			—		
Single-phase (N-L1) connection						Single-phase (N-L1) or 2-phase (L1-L2) connection			3-phase (L1-L2-L3) connection		
—						Single-phase (N-L1) or 2-phase (L1-L2) connection			3-phase (L1-L2-L3) connection		
Yes, with automatic restart after the source of overload/short-circuit has been corrected						Yes with 2 possible modes: - automatic restart after the source of overload/short-circuit has been corrected - manual restart, the input voltage must be interrupted after the source of overload/short-circuit has been corrected					
— - CE marking - CB Scheme - cULus Listed - cURus Recognized - RCM - EAC						Yes, depending on model - CE marking - CB Scheme - cULus Listed - CSA - RCM - EAC					
Modicon ABLS Optimized power supply						Modicon ABL8RP/WP Universal power supply					
	ABLS1A12062		ABLS1A12100								
ABLS1A24021	ABLS1A24031	ABLS1A24038	ABLS1A24050	ABLS1A24100	ABLS1A24200	ABL8RPS24030	ABL8RPS24050	ABL8RPS24100	ABL8RPM24200	ABL8WPS24200	ABL8WPS24400
			ABLS1A48025								
NEC Class 2, Limited Power Source (except ABLS1A12062)			—	—	—	—	—	—	—	—	—
—						Yes, with: - Converter module for supplying 5 Vdc to 15 Vdc auxiliary voltage - Redundancy module for continuity of service after an outage of power supplies equipment - Battery control modules, Buffer module and Battery module for continuity of service: solutions to microbreaks and power outages - Protection module: solution for discriminating protection of the application, See page 16					
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(2) Except ABLS1A24021 and ABLS1A24038.

Note: Phaseo Universal power supplies 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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Modicon ABL8RP/WP Universal Power Supply



ABL8RPS24030



ABL8RPS24050



ABL8RPS24100



ABL8RPM24200



ABL8WPS24200



ABL8WPS24400

Modicon ABL8RP/WP Universal power supply

References

Input voltage	Secondary	Nominal power	Nominal current	Reset	Reference	Weight kg/lb
	Output voltage					
Single-phase (N-L1) or 2-phase (L1-L2) connection						
100...120 Vac/ 200...500 Vac -15%,+10% 50/60 Hz	24 Vdc	72 W	3 A	Auto/man	ABL8RPS24030	0.300/ 0.661
		120 W	5 A	Auto/man	ABL8RPS24050	0.700/ 1.543
		240 W	10 A	Auto/man	ABL8RPS24100	1.000/ 2.205
100...120 Vac/ 200...240 Vac -15%,+10% 50/60 Hz	24 Vdc	480 W	20 A	Auto/man	ABL8RPM24200	1.600/ 3.527
3-phase connection (L1-L2-L3)						
380...500 Vac ± 10% 50/60 Hz	24 Vdc	480 W	20 A	Auto/man	ABL8WPS24200	1.600/ 3.527
		960 W	40 A	Auto/man	ABL8WPS24400	2.700/ 5.952

Functional modules available for use with ABL8RP/WP Universal power supply

- Converter module for supplying 5 Vdc to 15 Vdc auxiliary voltage
 - Redundancy module for continuity of service if the power supply equipment is not available
 - Battery control modules, Buffer module and Battery module for continuity of service: solutions to microbreaks and power outages
 - Protection module: solution for discriminating protection of the application
- See [page 16](#).