



(!) Discontinued

regulated SMPS, single phase, 100..240 V input, 24 V output, 240 W

ABL1REM24100

! Discontinued on: Sep 4, 2023

! To be end-of-service on: Sep 3, 2025

Main

Range Of Product	Phaseo Dedicated	
Product Or Component Type	Power supply	
Power Supply Type	Regulated switch mode	
Rated Power In W	240 W	
Main Input Voltage	100120 V AC single phase 200240 V AC single phase 180370 V DC	
Output Voltage	24 V DC	
Power Supply Output Current	10 A	
Operating Position	Any position	
Vibration Resistance	2 gn (f= 9150 Hz) conforming to EN/IEC 61131-2 3.5 mm (f= 59 Hz) conforming to EN/IEC 61131-2	
Name Of Test	Conducted interference conforming to EN 61000-4-8 level 4 Electrostatic discharges conforming to EN/IEC 61000-4-2 level 3 Induced electromagnetic field conforming to EN/IEC 61000-4-6 level 3 Radiated electromagnetic field conforming to EN/IEC 61000-4-3 level 3 Rapid transient conforming to IEC 61000-4-4 level 3 Conducted/radiated emissions conforming to EN 55022 class B Conducted/radiated emissions conforming to EN/IEC 55011 Emission conforming to EN/IEC 61000-6-3 Primary outage conforming to IEC 61000-4-11 Surge conforming to EN/IEC 61000-4-5	

Complementary

Input Voltage Limits	170264 V 85132 V
Network Frequency	4763 Hz
Inrush Current	50 A at 115 V AC 100 A at 230 V AC
Cos Phi	0.65
Efficiency	80 %
Power Dissipation In W	60 W
Current Consumption	3 A at 240 V 6 A at 100 V
Input Protection Type	Integrated fuse (not interchangeable)
Output Voltage Limits	21.626.4 V
Line And Load Regulation	+/- 3 %

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Holding Time	>= 10 ms at 100 V	
	>= 40 ms at 240 V	
Output Protection Type	Against overload, protection technology: 1.11.5 x In Against overvoltage, protection technology: tripping if U > 1.25 x Un Against short-circuits, protection technology: automatic reset Thermal	
Connections - Terminals	For ground connection: screw type terminals, connection capacity: 1 x 4 mm² AWG 12 For input connection: screw type terminals, connection capacity: 2 x 4 mm² AWG 12 For output connection: screw type terminals, connection capacity: 4 x 4 mm² AWG 12	
Marking	CE	
Mounting Support	Reversible mounting bracket Panel	
Operating Altitude	2000 m	
Output Coupling	Series Parallel	
Overvoltage Category	II	
Meantime Between Failure [Mtbf]	100000 h at 40 °C	
Status Led	1 LED (green) output voltage	
Net Weight	0.88 kg	
Environment		
Product Certifications	CSA 22-2 No 60950-1 UL 508 KC EAC cCSAus RCM TUV 60950-1	
Environmental Characteristic	EMC conforming to EN 50081-1 EMC conforming to EN 50082-2 EMC conforming to EN 61000-6-3 EMC conforming to EN/IEC 61000-6-2 Safety conforming to EN/IEC 60950-1 Safety conforming to SELV	
Ip Degree Of Protection	IP20 conforming to EN/IEC 60950	
Ambient Air Temperature For Operation	045 °C (without derating) 4560 °C (with derating factor)	
Ambient Air Temperature For Storage	-2585 °C	
Relative Humidity	2090 %	
Overvoltage Category	Class I conforming to VDE 0106-1	
Pollution Degree	2	
Dielectric Strength	1500 V between input and ground 3000 V between input and output 500 V between output and ground	
Packing Units		
Unit Type Of Package 1	PCE	
Number Of Units In Package 1	1	
Package 1 Height	8.5 cm	
Package 1 Width	12 cm	
Package 1 Length	23.5 cm	

Package 1 Weight 1.057 kg

Contractual warranty

Warranty 18 months



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	

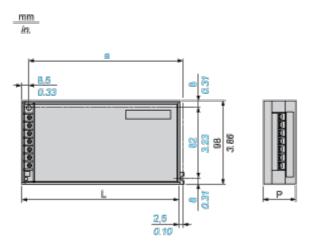
Certifications & Standards

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



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а	L	Р
194	200	65

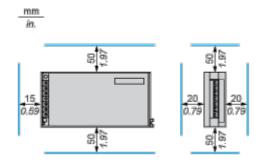
Dimensions in in.

а	L P	
7.64	7.87	2.56

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Mounting and Clearance

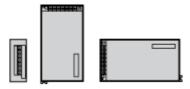
Clearance



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Mounting Way

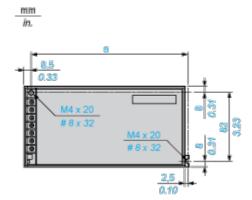
Mounting on Vertical Plane



Mounting on Horizontal Plane



Direct Mounting by 2 M4 x 20 Screws



Dimensions in mm

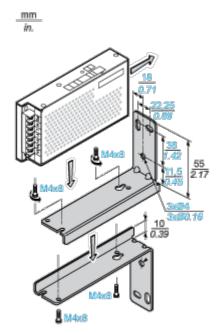
а
194

Dimensions in in

а	
7.64	

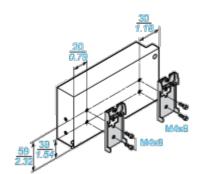
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Mounting on the Back on ABL 1A01 Reversible Bracket by Three 4 mm Diameter Screws



Mounting on ABL 1A02 Clip-on Mounting on 35 mm Rail





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Mounting by the Back



Dimensions in mm

b	С
28	48

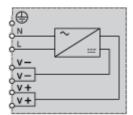
Dimensions in in.

b	С
1.10	1.89

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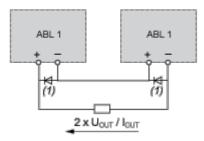
Connections and Schema

Internal Wiring Diagram

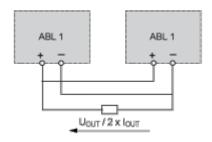


Series or Parallel Connection

Series Connection



Parallel Connection



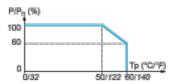
(1) 15 A/100 V Shottky diode

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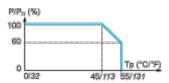
Performance Curves

Derating Curves

Mounting on Vertical Plane



Mounting on Horizontal Plane



Load Limits Curve

