Specification





# regulated SMPS - single phase -100..240 V input - 24 V output - 60 W

ABL1REM24025

! Discontinued on: 11 Nov 2020

! End-of-service on: 2 Jul 2021

① Discontinued

EAN Code: 3389110638202

### Main

Range Of Product	Phaseo Dedicated	
Product Or Component Type	Power supply	
Power Supply Type	Regulated switch mode	
Rated Power In W	60 W	
Main Input Voltage	100240 V AC single phase 120370 V DC	
Output Voltage	24 V DC	
Power Supply Output Current	2.5 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	85264 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	15 W
Current Consumption	1 A at 240 V 2 A at 100 V
Input Protection Type	Integrated fuse (not interchangeable)
Output Voltage Limits	21.626.4 V
Line And Load Regulation	+/- 3 %

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: 2 x 4 mm² AWG 12
Marking	CE
Mounting Support	Reversible mounting bracket Panel
Operating Altitude	2000 m
Output Coupling	Parallel Series
Overvoltage Category	II
Meantime Between Failure [Mtbf]	100000 h at 40 °C
Status Led	1 LED (green) output voltage
Net Weight	0.44 kg
Environment	
Product Certifications	TUV 60950-1 UL 508 cCSAus RCM KC CSA 22-2 No 60950-1 EAC
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	5.5 cm
Package 1 Width	12 cm
Package 1 Length	23.5 cm

Package 1 Weight

## **Contractual warranty**

Warranty 18 months

552 g

22 May 2024



**Green Premium**<sup>TM</sup> **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-CO<sub>2</sub> 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	
<b>⊘</b>	Rohs Exemption Information	Yes
<b>⊘</b>	Pvc Free	

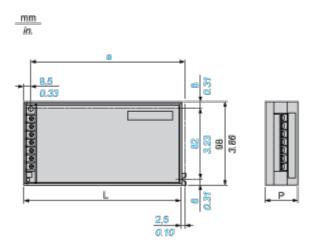
#### **Certifications & Standards**

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	

## **ABL1REM24025**

### **Dimensions Drawings**

### **Dimensions**



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а	L	Р
144	150	38

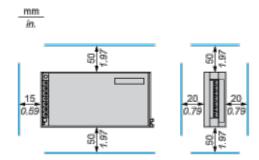
#### Dimensions in in.

а	L P	
5.67	5.91	1.50

## **ABL1REM24025**

Mounting and Clearance

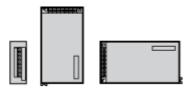
### Clearance



## ABL1REM24025

#### **Mounting Way**

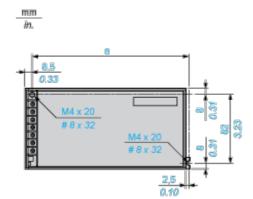
#### **Mounting on Vertical Plane**



#### **Mounting on Horizontal Plane**



### Direct Mounting by 2 M4 x 20 Screws



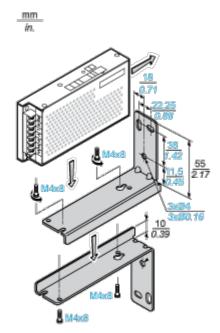
#### Dimensions in mm

а	
144	

#### Dimensions in in

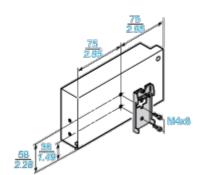
а	
5.67	

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





## ABL1REM24025

### Mounting by the Back



#### Dimensions in mm

b	С
38	58

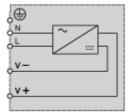
### Dimensions in in.

b	С
1.50	2.28

## **ABL1REM24025**

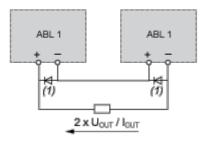
Connections and Schema

### **Internal Wiring Diagram**

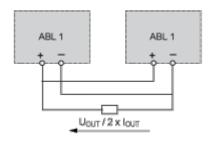


#### **Series or Parallel Connection**

#### **Series Connection**



#### **Parallel Connection**



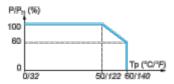
(1) 8 A/100 V Shottky diode

### **ABL1REM24025**

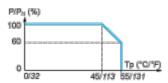
#### Performance Curves

#### **Derating Curves**

### **Mounting on Vertical Plane**



#### **Mounting on Horizontal Plane**



### **Load Limits Curve**

