

# Product data sheet

Specifications



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

ABL1REM24025

⚠ Discontinued on: Feb 17, 2021

⚠ Discontinued

Product availability: Non-Stock - Not normally stocked in distribution facility

## Main

Range Of Product	Phaseo Dedicated
Product Or Component Type	Power supply
Power Supply Type	Regulated switch mode
Kw Rating	60 W
Main Input Voltage	100...240 V AC single phase 120...370 V DC
Output Voltage	24 V DC
Power Supply Output Current	2.5 A
Operating Position	Any position
Vibration Resistance	2 gn 9...150 Hz)EN/IEC 61131-2 3.5 mm 5...9 Hz)EN/IEC 61131-2
Name Of Test	Conducted interference EN 61000-4-8 level 4 Electrostatic discharges EN/IEC 61000-4-2 level 3 Induced electromagnetic field EN/IEC 61000-4-6 level 3 Radiated electromagnetic field EN/IEC 61000-4-3 level 3 Rapid transient IEC 61000-4-4 level 3 Conducted/radiated emissions EN 55022 Class B Conducted/radiated emissions EN/IEC 55011 Emission EN/IEC 61000-6-3 Primary outage IEC 61000-4-11 Surge EN/IEC 61000-4-5

## Complementary

Input Voltage Limits	85...264 V
Network Frequency	47...63 Hz
Inrush Current	50 A 115 V AC 100 A 230 V AC
Cos Phi	0.65
Efficiency	80 %
Power Dissipation In W	15 W
Current Consumption	1 A 240 V 2 A 100 V
Input Protection Type	Integrated fuse (not interchangeable)
Output Voltage Limits	21.6...26.4 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.

<b>Holding Time</b>	>= 10 ms 100 V >= 40 ms 240 V
<b>Output Protection Type</b>	Against overload 1.1...1.5 x In Against overvoltage tripping if U > 1.25 x Un Against short-circuits automatic reset Thermal
<b>Connections - Terminals</b>	Ground connection screw type terminals 1 x 4 mm <sup>2</sup> AWG 12 Input connection screw type terminals 2 x 4 mm <sup>2</sup> AWG 12 Output connection screw type terminals 2 x 4 mm <sup>2</sup> AWG 12
<b>Marking</b>	CE
<b>Mounting Support</b>	Reversible mounting bracket Panel
<b>Operating Altitude</b>	6561.68 ft (2000 m)
<b>Output Coupling</b>	Parallel Series
<b>Overvoltage Category</b>	II
<b>Meantime Between Failure [Mtbf]</b>	100000 h 104 °F (40 °C)
<b>Status Led</b>	1 LED (Green) output voltage
<b>Net Weight</b>	0.97 lb(US) (0.44 kg)

## Environment

<b>Product Certifications</b>	TUV 60950-1 UL 508 cCSAus RCM KC CSA 22-2 No 60950-1 EAC
<b>Environmental Characteristic</b>	EMC EN 50081-1 EMC EN 50082-2 EMC EN 61000-6-3 EMC EN/IEC 61000-6-2 Safety EN/IEC 60950-1 Safety SELV
<b>Ip Degree Of Protection</b>	IP20 conforming to EN/IEC 60950
<b>Ambient Air Temperature For Operation</b>	32...113 °F (0...45 °C) without derating 113...140 °F (45...60 °C) with derating factor)
<b>Ambient Air Temperature For Storage</b>	-13...185 °F (-25...85 °C)
<b>Relative Humidity</b>	20...90 %
<b>Overvoltage Category</b>	Class I VDE 0106-1
<b>Pollution Degree</b>	2
<b>Dielectric Strength</b>	1500 V between input and ground 3000 V between input and output 500 V between output and ground

## Ordering and shipping details

<b>Category</b>	US1CP1222524
<b>Discount Schedule</b>	CP12
<b>Gtin</b>	3389110638202
<b>Returnability</b>	No
<b>Country Of Origin</b>	US

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.5 cm)
Package 1 Width	4.72 in (12 cm)
Package 1 Length	9.25 in (23.5 cm)
Package 1 Weight	19.47 oz (552 g)

## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class 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

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

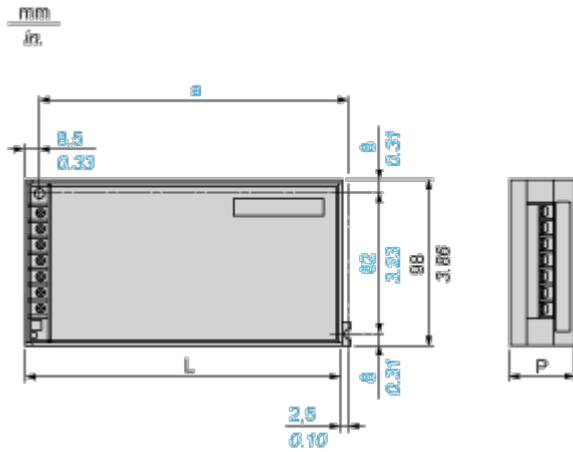
[End of Life Information](#)

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](http://www.P65Warnings.ca.gov)

Dimensions Drawings

Dimensions



Dimensions in mm

a	L	P
144	150	38

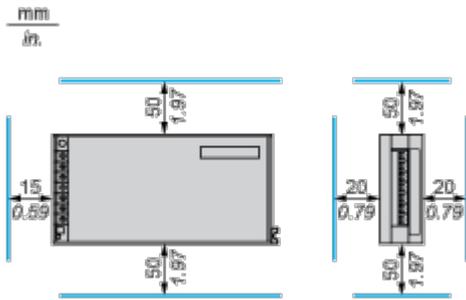
Dimensions in in.

a	L	P
5.67	5.91	1.50

Mounting and Clearance

Clearance

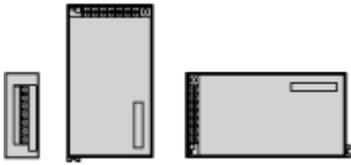
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Mounting Way

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Mounting on Vertical Plane

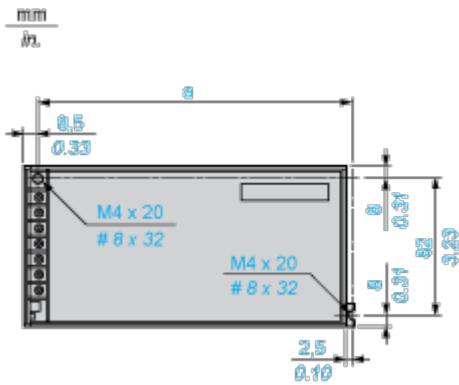


Mounting on Horizontal Plane



Direct Mounting by 2 M4 x 20 Screws

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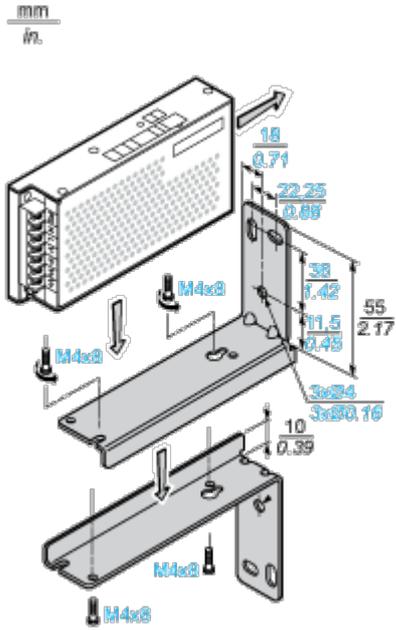
Dimensions in mm

a
144

Dimensions in in

a
5.67

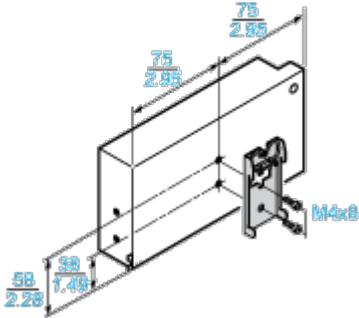
Mounting on the Back on ABL 1A01 Reversible Bracket by Three 4 mm Diameter Screws



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

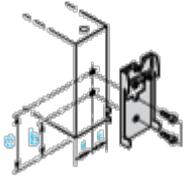
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mm  
in.



**Mounting by the Back**

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Dimensions in mm

b	c
38	58

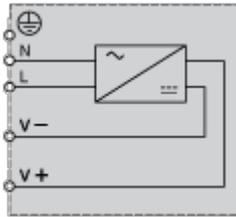
Dimensions in in.

b	c
1.50	2.28

Connections and Schema

Internal Wiring Diagram

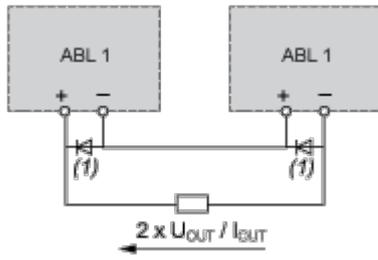
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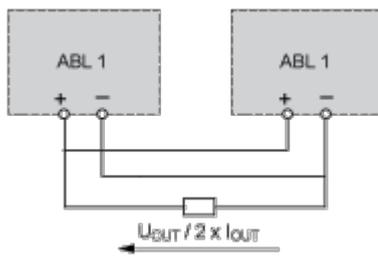
Series or Parallel Connection

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Series Connection



Parallel Connection



(1) 8 A/100 V Shottky diode

Performance Curves

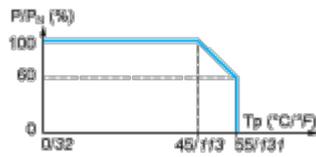
Derating Curves

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Mounting on Vertical Plane



Mounting on Horizontal Plane



Load Limits Curve

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