

Product data sheet

Specifications



single phase power supply,
100...240V input, 24V DC output,
252W, 10,5A

ABL2REM24100K

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

Main

Range of Product	Easy Modicon ABL2
Product or Component Type	Power supply
Power supply type	Regulated switch mode
Rated power in W	252 W
Main Input Voltage	100...120 V AC single phase 200...240 V
Output voltage	24 V DC
Power supply output current	10.5 A
Operating position	Any position
Vibration resistance	4 gn (f= 10...500 Hz) conforming to IEC 61131-2
Name of test	Electromagnetic hypersensitivity (EHS) conforming to IEC 61000-6-2 level A

Complementary

Input voltage limits	90...132 V 180...264 V
Network Frequency	47...63 Hz
Inrush current	60 A at 100...120 V AC 60 A at 200...240 V AC
Cos phi	0.5
Efficiency	87 %
Power dissipation in W	37.6 W
Current consumption	2.5 A at 240 V
Input protection type	Integrated fuse (not interchangeable)
Output voltage limits	20.4...27.6 V
Line and load regulation	+/- 1 %
Holding time	>= 12 ms at 115 V
Output protection type	Against overload, protection technology: 1.1...1.5 x In Against short-circuits, protection technology: 1.1...1.5 x In Against overvoltage, protection technology: 28.8...33.6 V Thermal
Connections - terminals	For ground connection: screw type terminals, connection capacity: 1 x 4 mm² AWG 12
Marking	CE
Electromagnetic compatibility	Immunity to electromagnetic interference conforming to EN 55022 Class B

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Mounting Support	DIN rail with accessory DIN rail with accessory
Operating altitude	5000 m
Output coupling	Series
Overvoltage category	II
Meantime between failure [MTBF]	600000 h at 77 °F (25 °C)
Status LED	1 LED (Green) output voltage
Width	8.5 in (215 mm)
Height	4.5 in (115 mm)
Depth	1.2 in (30 mm)
Product Weight	1.65 lb(US) (0.75 kg)

Environment

Product Certifications	EAC IC RoHS KC RCM
IP degree of protection	IP20 conforming to IEC 62368-1
Ambient air temperature for operation	-22...158 °F (-30...70 °C) (with power derating of 2.5 % per °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Relative humidity	10...95 %
Overvoltage category	Class I conforming to IEC 62368-1
Pollution degree	2
Dielectric strength	2000 V between input and ground

Ordering and shipping details

Category	US1CP4B22153
Discount Schedule	CP4B
GTIN	3606481277473
Returnability	No
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.4 in (3.6 cm)
Package 1 Width	4.8 in (12.3 cm)
Package 1 Length	8.7 in (22.2 cm)
Package weight(Lbs)	30.0 oz (850.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	21
Package 2 Height	11.8 in (30.0 cm)
Package 2 Width	11.8 in (30.0 cm)

Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	41.9 lb(US) (19.0 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	252
Package 3 Height	35.4 in (90.0 cm)
Package 3 Width	23.6 in (60.0 cm)
Package 3 Length	31.5 in (80.0 cm)
Package 3 Weight	488.3 lb(US) (221.5 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
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

Use Longer

Lifetime extension	
Repair	No

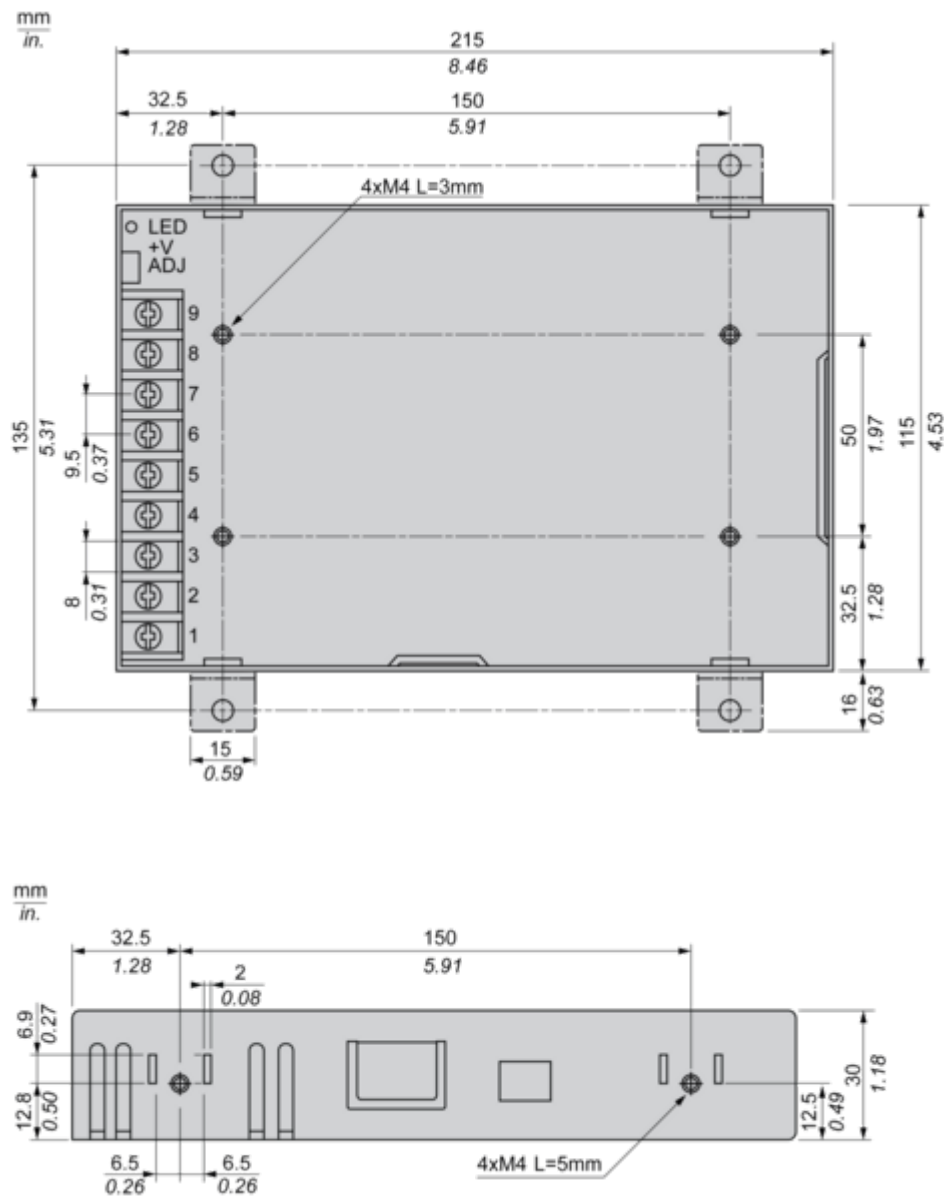
Use Again

Repack and remanufacture	
Take-back	No

Dimensions Drawings

Dimensions Drawings

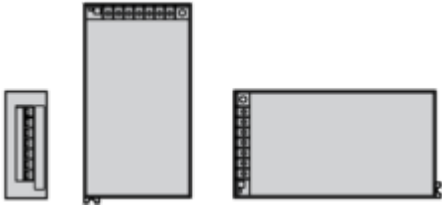
Mechanical Dimensions



Mounting and Clearance

Mounting and Clearance

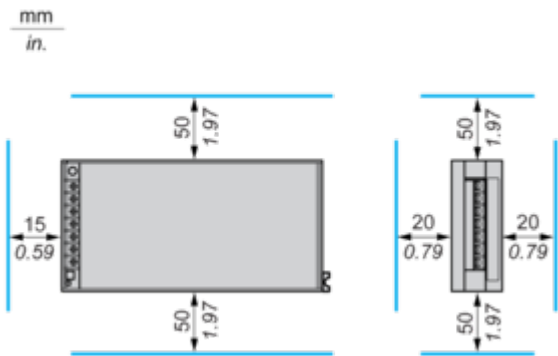
Vertical Mounting



Horizontal Mounting



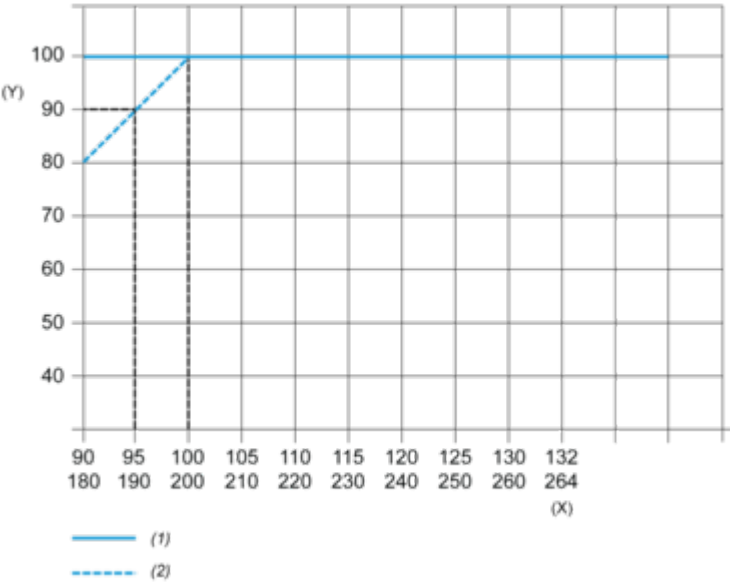
Clearance



Performance Curves

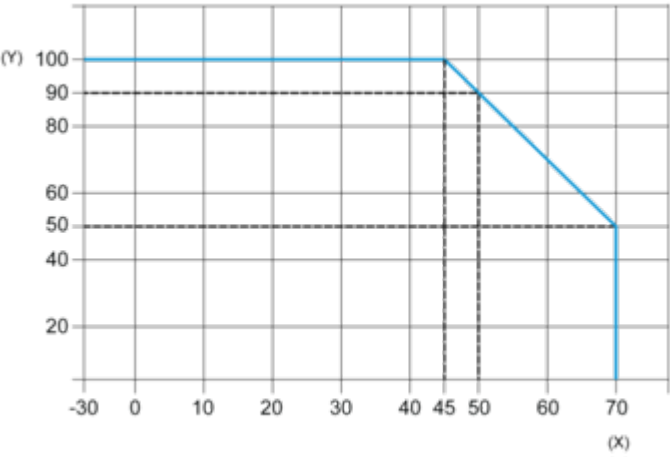
Performance Curves

Static Characteristics



- (1) 180 - 264 VAC
- (2) 90 - 132 VAC
- (y) Load %
- (x) Input voltage (VAC) 50/60 Hz

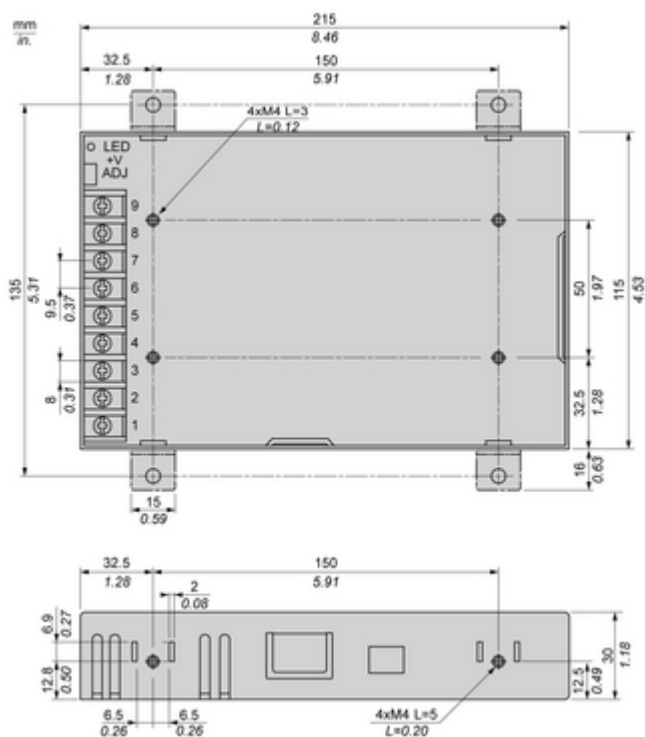
Derating Curve



- (y) Load %
- (x) Ambient temperature (°C)

Technical Illustration

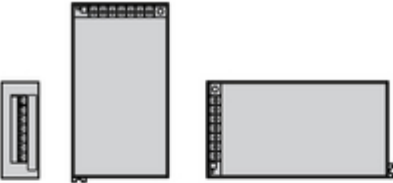
Dimensions



Technical illustration

Product Installation

Vertical Mounting



Horizontal Mounting



Clearance

