

# Product datasheet

Specifications



single phase power supply,  
100...240V input, 24V DC output,  
351W, 14,6A

ABL2REM24150K

## Main

Range of product	Easy Modicon ABL2
product or component type	Power supply
Power supply type	Regulated switch mode
Rated power in W	351 W
Main Input Voltage	100...120 V AC single phase 200...240 V
Output voltage	24 V DC
Power supply output current	14.6 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	52.4 W
Current consumption	3.3 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 mm <sup>2</sup> AWG 12
marking	CE
Electromagnetic compatibility	Immunity to electromagnetic interference conforming to EN 55022 class B

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 25 °C
Status LED	1 LED (green) output voltage
Width	215 mm
Height	115 mm
Depth	30 mm
net weight	0.79 kg

## Environment

Product certifications	EAC IC RoHS KC RCM
IP degree of protection	IP20 conforming to IEC 62368-1
Ambient air temperature for operation	-30...70 °C (with power derating of 2.5 % per °C)
Ambient air temperature for storage	-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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.600 cm
Package 1 Width	12.500 cm
Package 1 Length	22.300 cm
Package 1 Weight	875.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	16
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	14.420 kg
Unit Type of Package 3	P06
Number of Units in Package 3	128
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm

---

<b>Package 3 Length</b>	80.000 cm
-------------------------	-----------

---

<b>Package 3 Weight</b>	123.360 kg
-------------------------	------------

## 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 >](#)

## Well-being performance

 Reach Free Of Svhc

---

 Rohs Exemption Information [Yes](#)

---

**Reach Regulation** [REACH Declaration](#)

---

**Eu Rohs Directive** Pro-active compliance (Product out of EU RoHS legal scope)

---

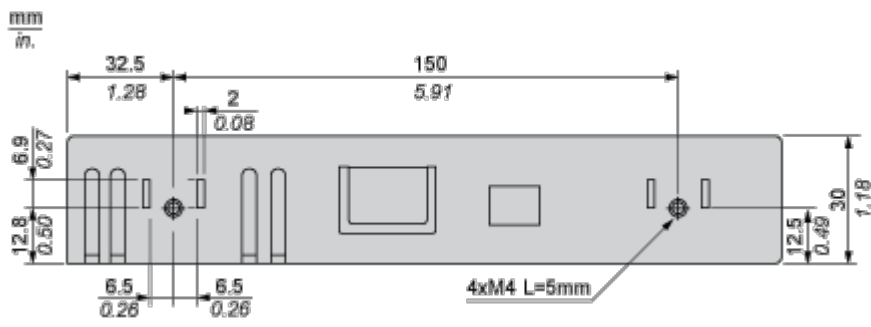
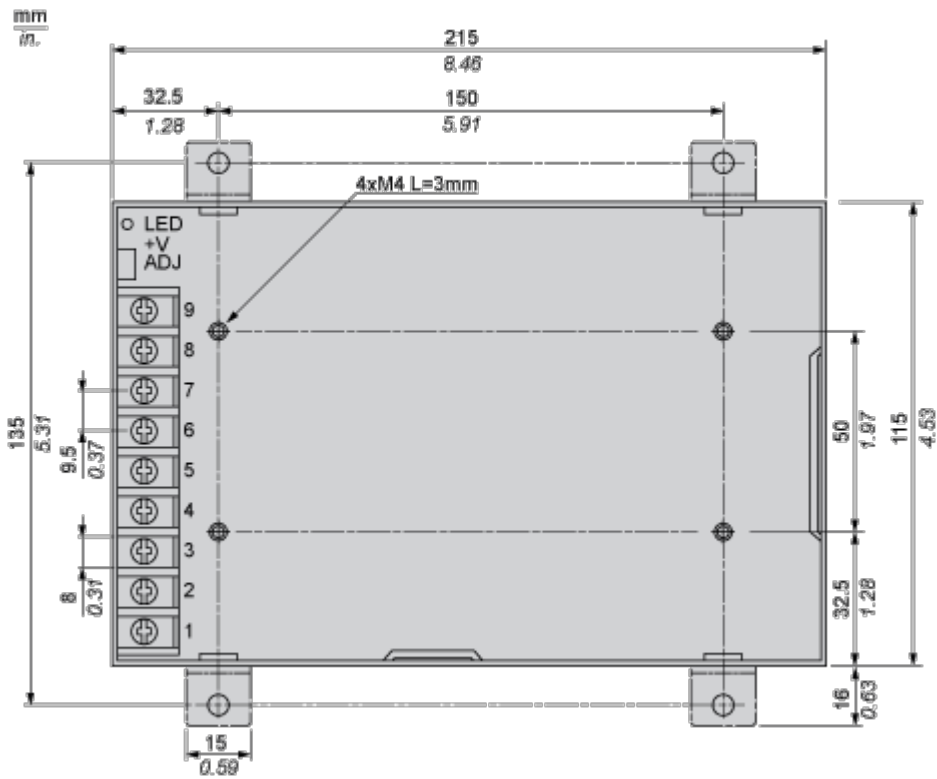
**China Rohs Regulation** [China RoHS declaration](#)

---

Dimensions Drawings

Dimensions Drawings

Mechanical Dimensions

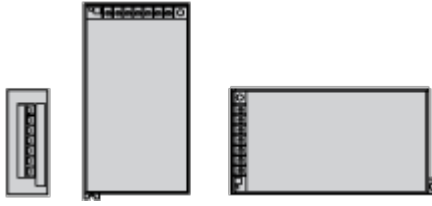


Mounting and Clearance

Mounting and Clearance

---

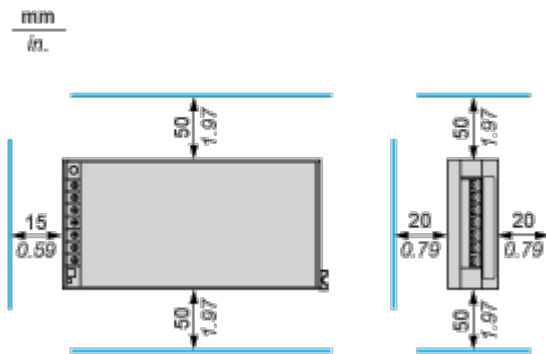
Vertical Mounting



Horizontal Mounting



Clearance

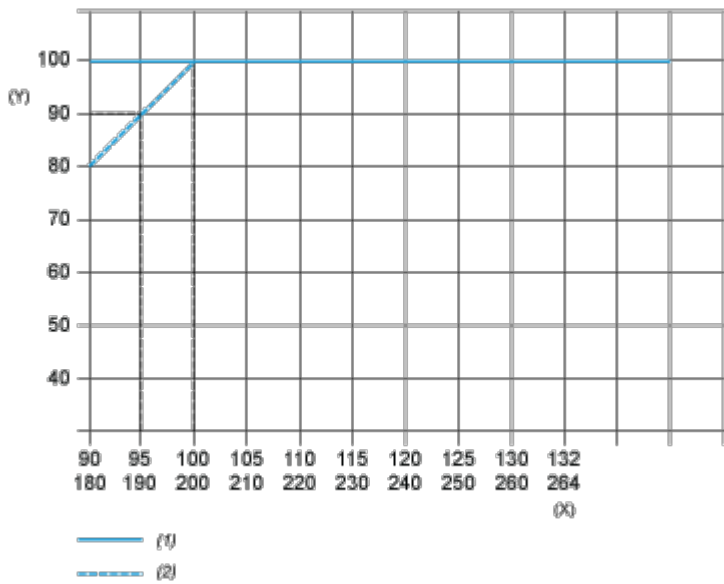


Performance Curves

Performance Curves

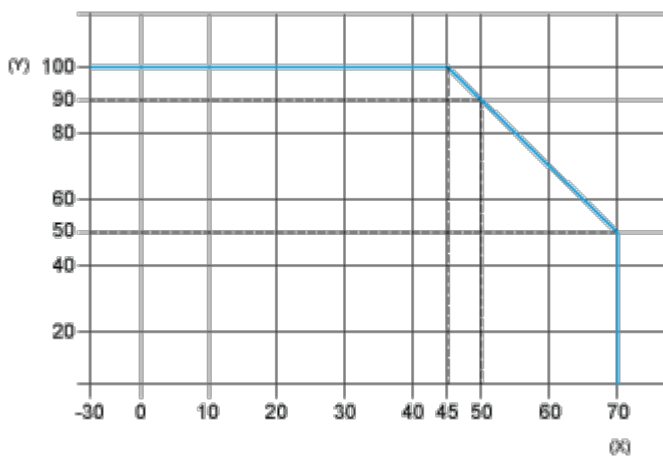
---

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)