

Product datasheet

Specifications



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

ABL2REM24100K

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 mm ² 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	0.75 kg

Environment

Product certifications	EAC IC RoHS KC RCM
IP degree of protection	IP20 conforming to IEC 62368-1
Ambient air temperature for operation	-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	3.6 cm
Package 1 Width	12.3 cm
Package 1 Length	22.2 cm
Package 1 Weight	850.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	21
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	19.0 kg
Unit Type of Package 3	P06
Number of Units in Package 3	252
Package 3 Height	90.0 cm
Package 3 Width	60.0 cm

Package 3 Length	80.0 cm
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Package 3 Weight	221.5 kg
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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-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 >](#)

Well-being performance

 Reach Free Of Svhc

 Rohs Exemption Information [Yes](#)

Reach Regulation [REACH Declaration](#)

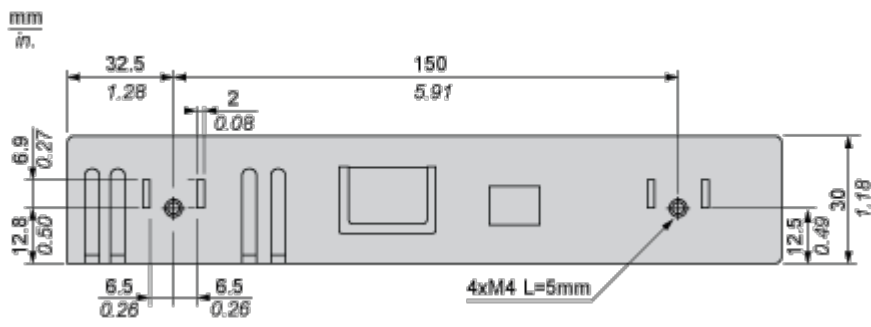
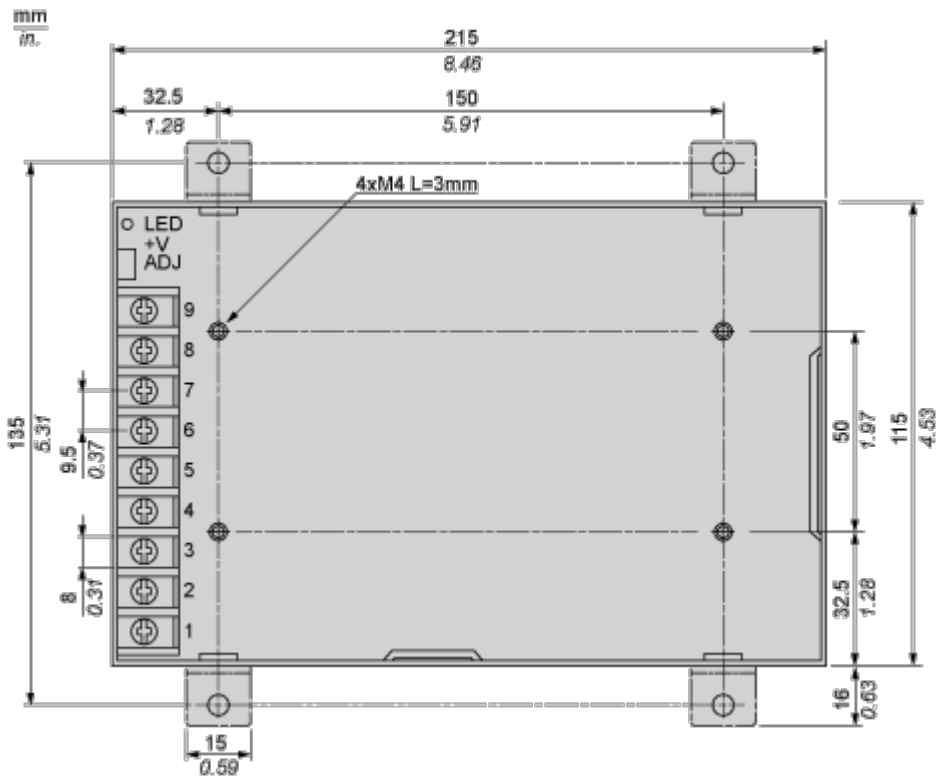
Eu Rohs Directive Pro-active compliance (Product out of EU RoHS legal scope)

China Rohs Regulation [China RoHS declaration](#)

Dimensions Drawings

Dimensions Drawings

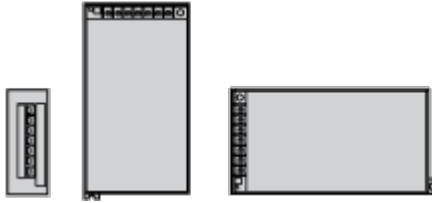
Mechanical Dimensions



Mounting and Clearance

Mounting and Clearance

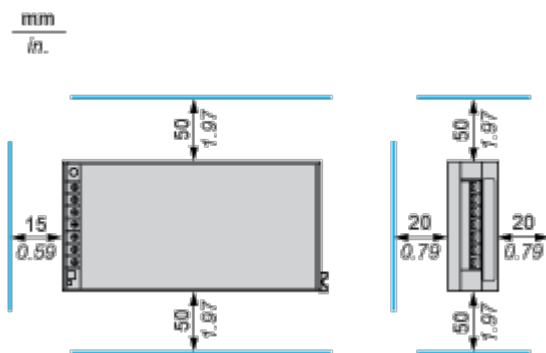
Vertical Mounting



Horizontal Mounting



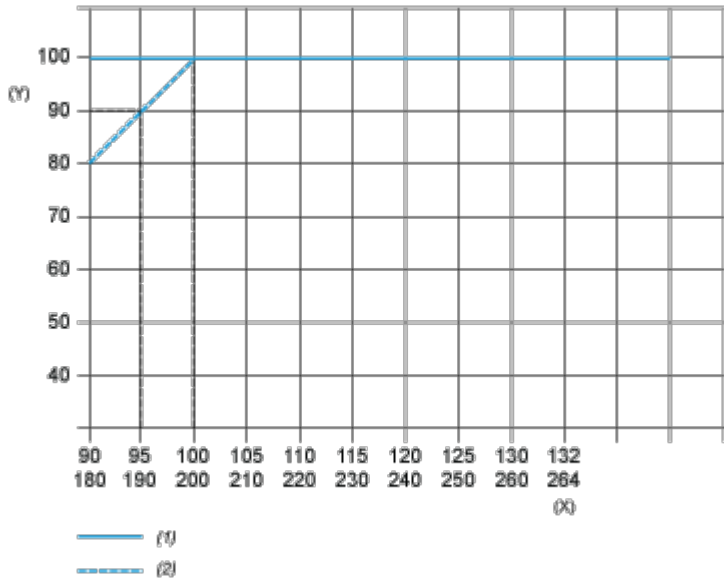
Clearance



Performance Curves

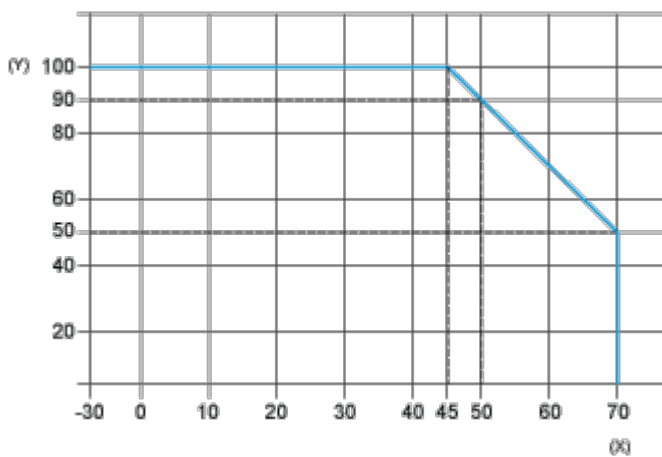
Performance Curves

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)