

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 mm² AWG 12 |
| Marking | CE |
| Electromagnetic Compatibility | Immunity to electromagnetic interference conforming to EN 55022 class B |

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 [Mtbtf] | 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 |
| Package 3 Weight | 221.5 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-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 |

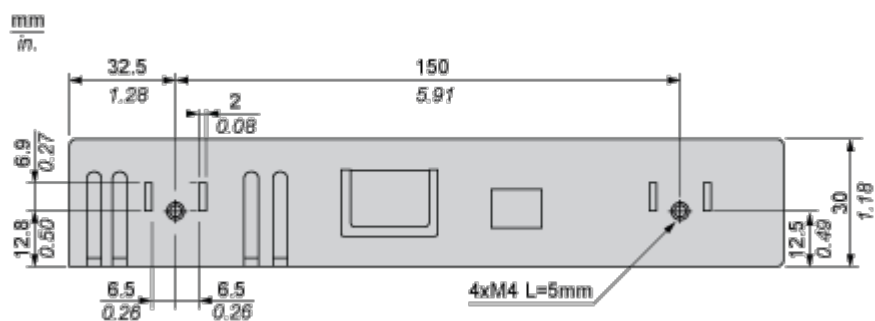
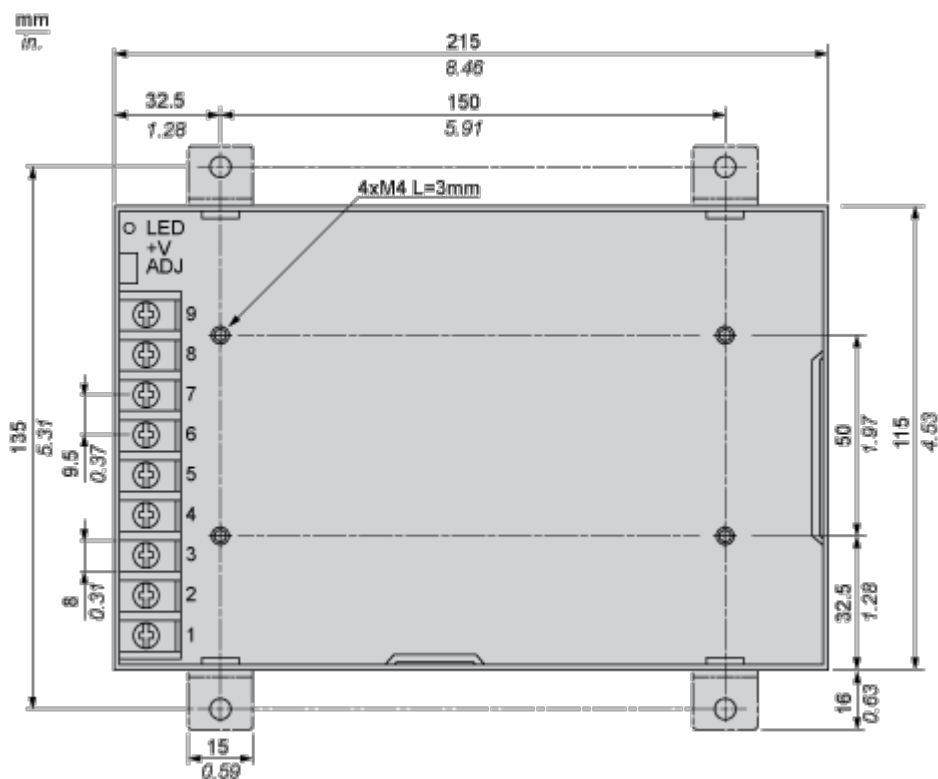
Product datasheet

ABL2REM24100K

Dimensions Drawings

Dimensions Drawings

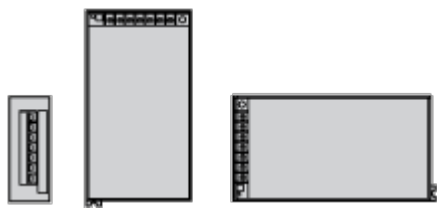
Mechanical Dimensions



Mounting and Clearance

Mounting and Clearance

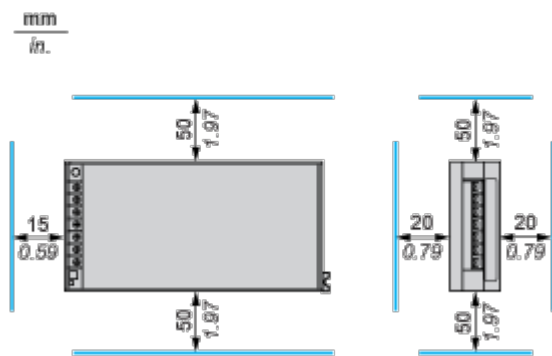
Vertical Mounting



Horizontal Mounting



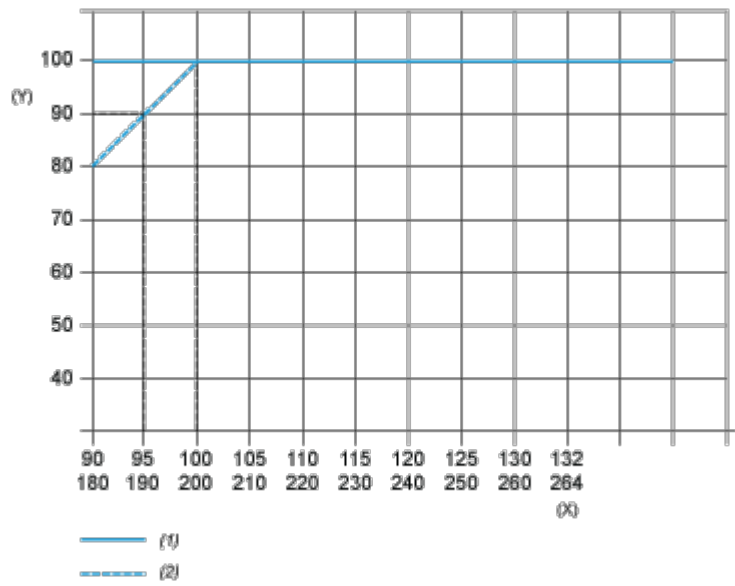
Clearance



Performance Curves

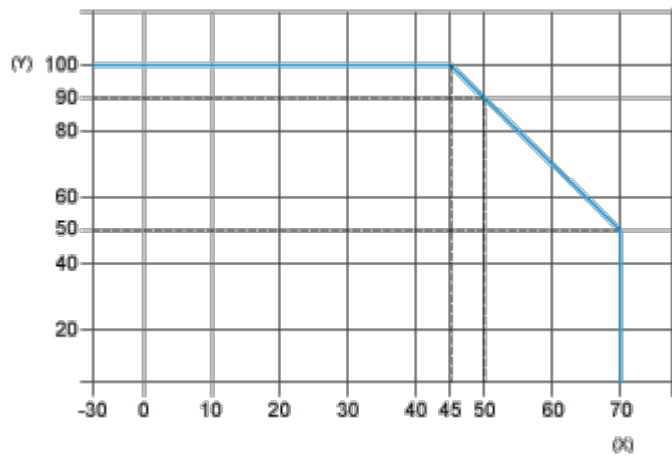
Performance Curves

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)