

## Product data sheet

### Characteristics

# ABL2REM24100K

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



### 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 <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	0.75 kg



## Environment

Product certifications	EAC[RETURN]IC[RETURN]RoHS[RETURN]KC[RETURN]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

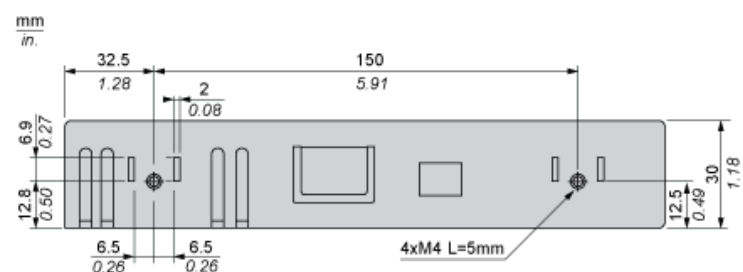
## Packing Units

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

## Offer Sustainability

REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 Yes

## Mechanical Dimensions

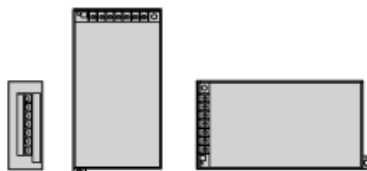


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## Mounting and Clearance

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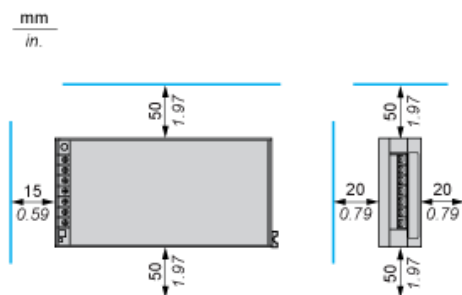
### Vertical Mounting



### Horizontal Mounting

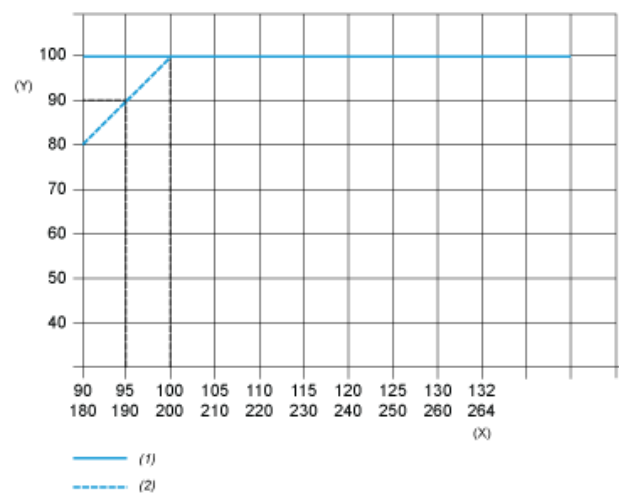


### Clearance



## Performance Curves

### Static Characteristics



### Derating Curve

