

## Product data sheet

### Characteristics

# ABL2REM24045K

single phase power supply, 100...240V input,  
24V DC output, 108W, 4,5A



### Main

Range of product	Easy Modicon ABL2
Product or component type	Power supply
Power supply type	Regulated switch mode
Rated power in W	108 W
Main Input Voltage	100...240 V AC single phase
Output voltage	24 V DC
Power supply output current	4.5 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	85...264 V
Network frequency	47...63 Hz
Inrush current	50 A at 100...240 V AC
Cos phi	0.45
Efficiency	89 %
Power dissipation in W	13.3 W
Current consumption	1.1 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	>= 10 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
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	129 mm
Height	97 mm
Depth	30 mm
Net weight	0.35 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.



## 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

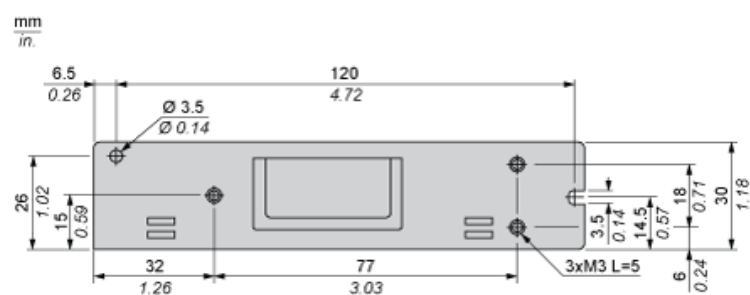
## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.6 cm
Package 1 Width	10.4 cm
Package 1 Length	13.8 cm
Package 1 Weight	400.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	42
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	16.869 kg
Unit Type of Package 3	P06
Number of Units in Package 3	504
Package 3 Height	90.0 cm
Package 3 Width	80.0 cm
Package 3 Length	60.0 cm
Package 3 Weight	210.928 kg

## Offer Sustainability

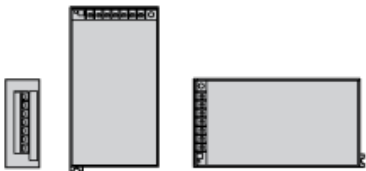
REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 Yes

## Mechanical Dimensions



Mounting and Clearance

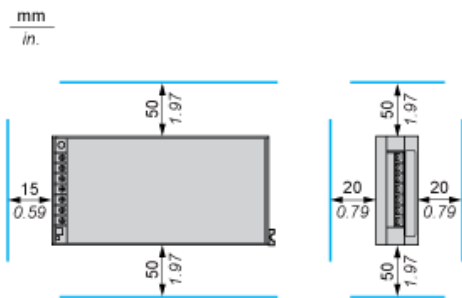
Vertical Mounting



Horizontal Mounting

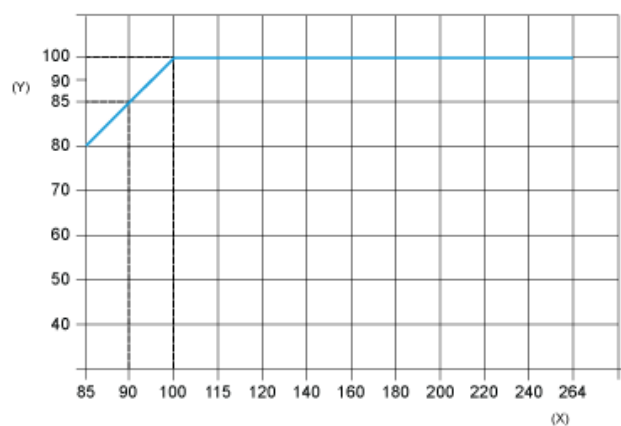


Clearance



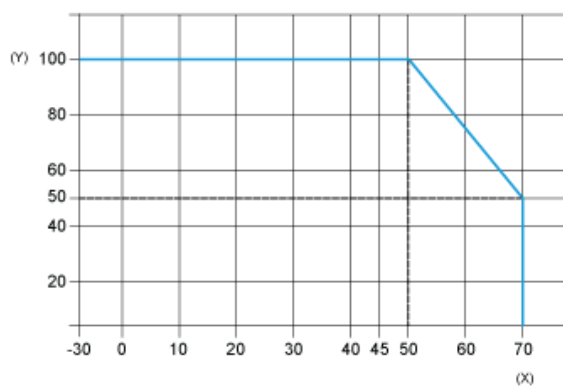
## Performance Curves

### Static Characteristics



- (y) Load %  
(x) Input voltage (VAC) 50/60 Hz

### Derating Curve



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