

# Product datasheet

Specifications



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

ABL2REM24045K

## 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 mm² 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

## 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 %  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

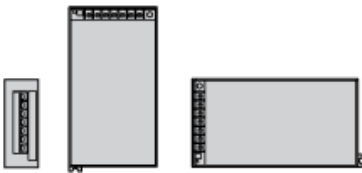
Offer Sustainability

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) <a href="#">EU RoHS Declaration</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>

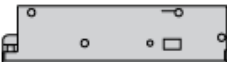


Mounting and Clearance

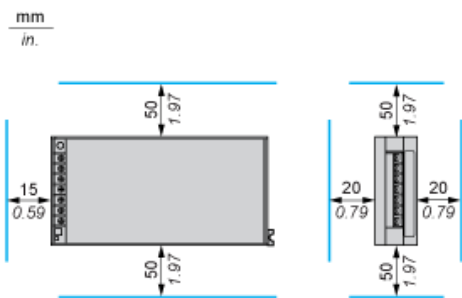
Vertical Mounting



Horizontal Mounting

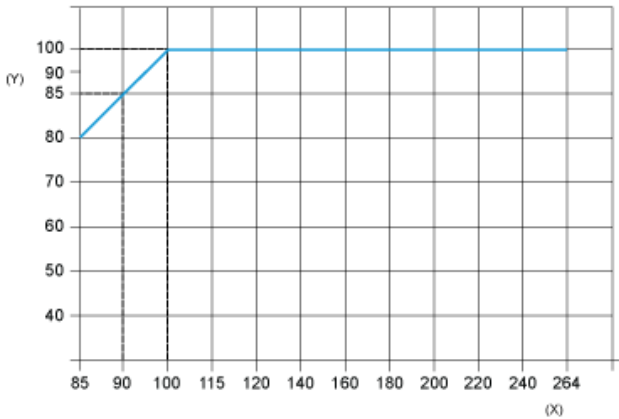


Clearance



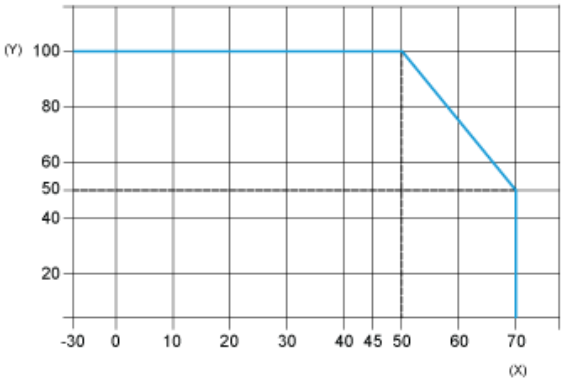
Performance Curves

Static Characteristics



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

Derating Curve



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

Recommended replacement(s)