

# Product datasheet

Specifications



## Switching mode power supply in 100...120/200,,,240 VAC, out 24VDC,250 W 10,5A

ABL2REM24100H

⚠ Discontinued on: 23 January 2021

⚠ To be discontinued

### Main

Range of product	Easy Modicon ABL2
Product or component type	Power supply
Power supply type	Regulated switch mode
Rated power in W	250 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	2 gn (f= 10...500 Hz) conforming to EN/IEC 61131-2
Name of test	Conducted interference conforming to EN 61000-6-4 level A

### Complementary

Input voltage limits	85...264 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	83 %
Power dissipation in W	30.9 W
Current consumption	2.5 A at 240 V
Input protection type	Integrated fuse (not interchangeable)
Output voltage limits	21.6...26.4 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: 1.1...1.5 x In Thermal, protection technology: 1.1...1.5 x In
Connections - terminals	For ground connection: screw type terminals, connection capacity: 1 x 4 mm <sup>2</sup> AWG 12

Marking	CE
Mounting support	DIN rail with accessory Panel mounting with accessory
Operating altitude	2000 m
Output coupling	Series
Overvoltage category	II
Meantime between failure [MTBF]	350000 h at 25 °C
Status LED	1 LED (green) output voltage
Width	115 mm
Height	215 mm
Depth	50 mm
Net weight	0.97 kg

## Environment

Product certifications	EAC EAC IC
Environmental characteristic	EMC conforming to EN 55022 class B
IP degree of protection	IP20 conforming to EN/IEC 60950
Ambient air temperature for operation	-20...70 °C (with rated power derating 5 W per °C)
Ambient air temperature for storage	-20...85 °C
Relative humidity	20...90 %  Class I conforming to VDE 0106-1
Pollution degree	2
Dielectric strength	2000 V between input and ground

## 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>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	Yes

## Recommended replacement(s)

ABL2REM24100H is replaced by:

1x



single phase power supply, 100...240V input, 24V DC output, 252W, 10,5A  
ABL2REM24100K