

Product datasheet

Specifications



Switching mode power supply in 100-240 VAC, out 24VDC, 100 W 4,5A

ABL2REM24045H

❗ Discontinued on: 30 December 2020

❗ End-of-service on: 30 June 2022

❗ Discontinued

Main

Range of product	Easy Modicon ABL2
Product or component type	Power supply
Power supply type	Regulated switch mode
Rated power in W	100 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	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
Network frequency	47...63 Hz
Inrush current	50 A at 100...240 V AC
Cos phi	0.45
Efficiency	83 %
Power dissipation in W	11.1 W
Current consumption	1.1 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	>= 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: 1.1...1.5 x In
Connections - terminals	For ground connection: screw type terminals, connection capacity: 1 x 4 mm² 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	97 mm
Height	164 mm
Depth	38 mm
Net weight	0.58 kg

Environment

Product certifications	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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.504 cm
Package 1 Width	10.401 cm
Package 1 Length	17.205 cm
Package 1 Weight	551 g

Offer Sustainability

REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes

Recommended replacement(s)

ABL2REM24045H is replaced by:

1x



single phase power supply, 100...240V input, 24V DC output, 108W, 4,5A
ABL2REM24045K
