Product datasheet

Specifications



Single phase power supply, 100...240V input, 24V DC output, 351W, 14,6A

ABL2REM24150K

Main

Range of product	Modicon ABL2
Product or component type	Power supply
Power supply type	Regulated switch mode
Rated power in W	351 W
Main Input Voltage	100...120 V AC single phase 200...240 V
Output voltage	24 V DC
Power supply output current	14.6 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	52.4 W
Current consumption	3.3 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 mm² 12 AWG
Marking	CE
Electromagnetic compatibility	Immunity to electromagnetic interference conforming to EN 55022 class B

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Disclaimer: 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

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	0.79 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 %
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	1.001 cm
Package 1 Width	1.001 cm
Package 1 Length	1.001 cm
Package 1 Weight	0.907 g
Unit Type of Package 2	CAR
Number of Units in Package 2	16
Package 2 Height	29.997 cm
Package 2 Width	29.997 cm
Package 2 Length	40.005 cm
Package 2 Weight	14.420 kg
Unit Type of Package 3	PAL
Number of Units in Package 3	128
Package 3 Height	75.006 cm
Package 3 Width	59.995 cm

Package 3 Length	80.010 cm
Package 3 Weight	123.359 kg

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**

Use Again

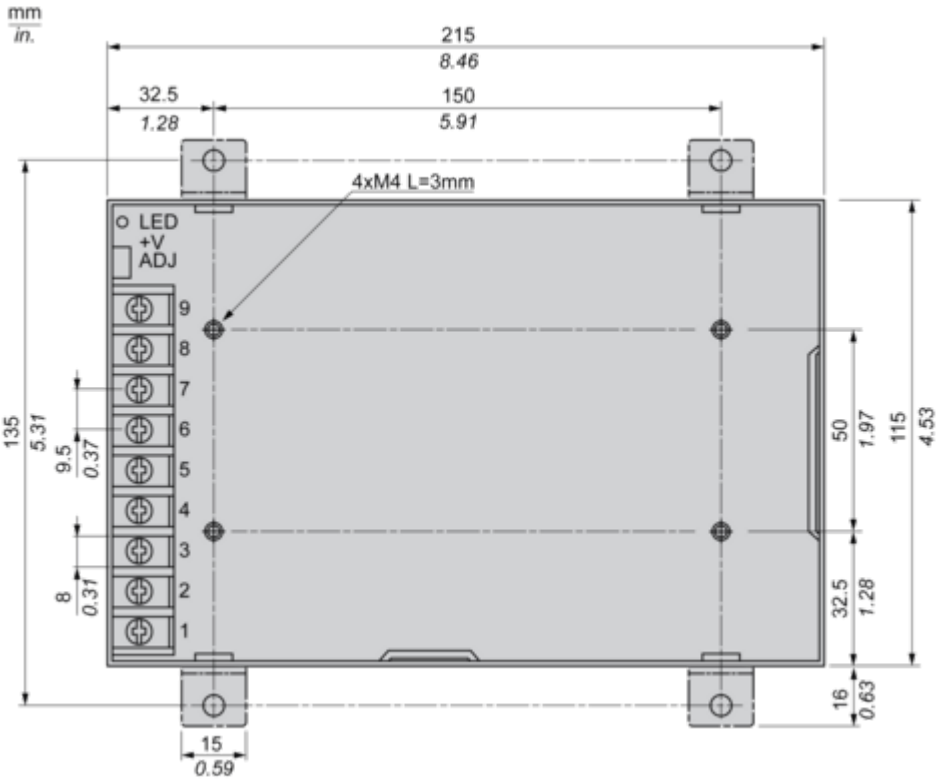
Repack and remanufacture

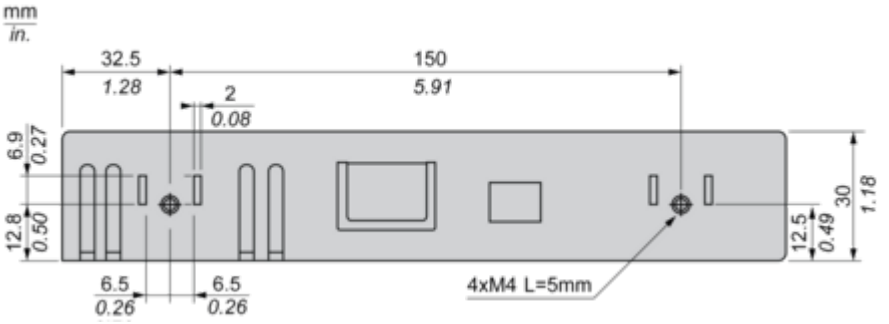
Take-back	**No**

Dimensions Drawings

Dimensions Drawings

Mechanical Dimensions

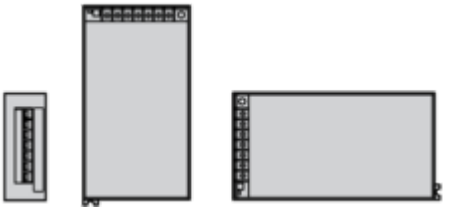




Mounting and Clearance

Mounting and Clearance

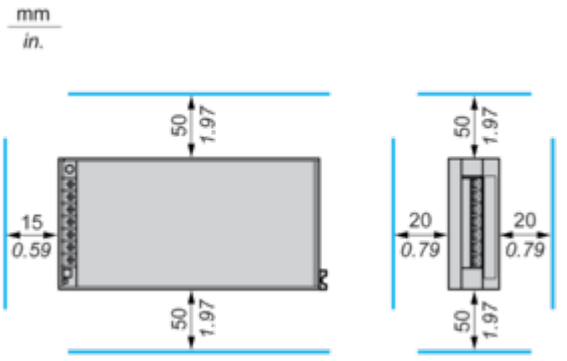
Vertical Mounting



Horizontal Mounting



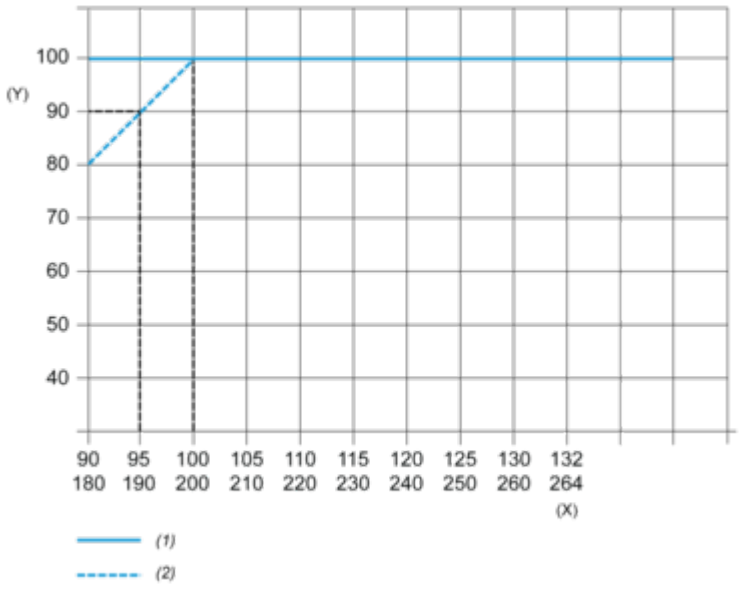
Clearance



Performance Curves

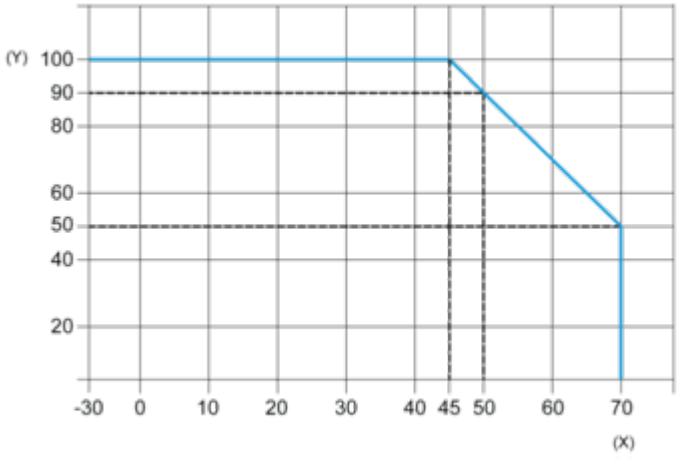
Performance Curves

Static Characteristics



(1) 180 - 264 VAC
(2) 90 - 132 VAC
(y) Load %
(x) Input voltage (VAC) 50/60 Hz

Derating Curve



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