



single phase power supply, 100...240V input, 24V DC output, 36W, 1,5A

ABL2REM24015K

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Range of product	Easy Modicon ABL2
Product or component type	Power supply
Power supply type	Regulated switch mode
Rated power in W	36 W
Main Input Voltage	100240 V AC single phase
Output voltage	24 V DC
Power supply output current	1.5 A
Operating position	Any position
Vibration resistance	4 gn (f= 10500 Hz) conforming to IEC 61131-2
Name of test	Electromagnetic hypersensitivity (EHS) conforming to IEC 61000-6-2 level A

Complementary	
Input voltage limits	85264 V
Network frequency	4763 Hz
Inrush current	45 A at 100240 V AC
Cos phi	0.45
Efficiency	87 %
Power dissipation in W	5.4 W
Current consumption	0.4 A at 240 V
Input protection type	Integrated fuse (not interchangeable)
Output voltage limits	20.427.6 V
Line and load regulation	+/- 1 %
Holding time	>= 12 ms at 115 V
Output protection type	Against overload, protection technology: 1.11.5 x ln Against short-circuits, protection technology: 1.11.5 x ln Against overvoltage, protection technology: 28.833.6 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

Panel mounting with accessory

Duty   Coupling   Series		
	Operating altitude	5000 m
Martine between failure   S00000 h at 25 °C	Output coupling	Series
Status LED 1 LED (green) output voltage  Wridth 99 mm  Helight 82 mm  Deepth 30 mm  Net weight 0.23 kg  Environment  Product certifications  EAC  CO  RCM RCM RCM RCM RCM RCM RCM RCM RCM RC	Overvoltage category	П
Width 99 mm  Height 52 mm  Depth 30 mm  Not weight 0.23 kg  Environment  Product certifications EAC Roll Roll Roll Roll Roll Roll Roll Rol	Meantime between failure [MTBF]	600000 h at 25 °C
Height 30 mm  Net weight 0.23 kg  Environment  Product certifications  EAC  IC  ROHS  RCM  Ambient air temperature for storage  Relative humidity 1095 %  Class I conforming to IEC 62368-1  Pollution degree 2  Dielectric strength 2000 V between input and ground  PECE  Number of Units in Package 1 PCE  Number of Units in Package 1 1  Package 1 Height 3.744 cm  Package 1 Height 3.744 cm  Package 1 Height 231.0 g  Unit Type of Package 2 503  Number of Units in Package 3 503  Number of Units in Package 4 503  Number of Units in Package 5 503  Number of Units in Package 6 503  Number of Units in Package 1 503  Number of Units in Package 2 503  Number of Units in Package 3 503  Number of Units in Package 4 503  Number of Units in Package 5 503  Number of Units in Package 8 503  Number of Units in Package 9 503  Num	Status LED	1 LED (green) output voltage
Depth 30 mm  Net weight 0.23 kg  Environment  Product certifications  EAC Rohs Rohs Rock RCM  P degree of protection  IP20 conforming to IEC 82388-1  Ambient air temperature for storage  4085 °C  Class I conforming to IEC 82388-1  Pollution degree 2  Dielectric strength  2000 V between Input and ground  Packing Units  Unit Type of Package 1  Package 1 Height 3.744 cm  Package 1 Height 10.549 cm  Package 1 Height 231.0 g  Unit Type of Package 2  Number of Units in Package 2  Number of Units in Package 2  So3  Number of Units in Package 3  Number of Units in Package 4  So3  So4  So5  So5  So5  So5  So5  So5  So5	Width	99 mm
Environment  Environment  EAC IO ROHS RCS RCS RCS RCS RCS RCS RCS RCS RCS RC	Height	82 mm
Environment  Product certifications  EAC ROB	Depth	30 mm
Product certifications  EAC ROMS ROMS ROMS ROMS ROMS ROMS ROMS ROMS	Net weight	0.23 kg
IC RoHS KC RCM  P degree of protection  IP20 conforming to IEC 62368-1  Ambient air temperature for operation  -3070 °C (with power derating of 2.5 % per °C)  -4085 °C  Relative humidity  1095 % 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  Package 1 PCE  Number of Units in Package 1  10.549 cm  Package 1 Height  3.744 cm  Package 1 Height  10.549 cm  Package 1 Wight  231.0 g  Variety of Package 2  So3  Number of Units in Package 3  So3  Number of Units in Package 4  So3  Number of Units in Package 5  So3  Number of Units in Package 6  So3  Number of Units in Package 7  So3  Number of Units in Package 8  So3  Number of Units in Package 9  So3  Number of Units in Package 1  So3  So4  So5  So5  So5  So5  So5  So5  So5	Environment	
KC RCM  P degree of protection  IP20 conforming to IEC 62368-1  Ambient air temperature for operation  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -3070 °C (with power derating of 2.5 % per °C)  -30	Product certifications	
P degree of protection  IP20 conforming to IEC 62388-1  Ambient air temperature for operation  Ambient air temperature for operation operation  Ambient air temperature for operation operation  Ambient air temperature for  Andient air temperature for  Apackage 1 Perature for operation  Andient air temperature for  Andient air temperature for		RoHS
Ambient air temperature for operation  -3070 °C (with power derating of 2.5 % per °C)  Ambient air temperature for storage  -4085 °C  -4085 °C  Relative humidity  -1095 %  Class I conforming to IEC 62368-1  -2010 Pollution degree  2  -2010 Pollution degree  2  -2010 Pollution degree  -2010 Pollution degre		RCM
Ambient air temperature for storage  4085 °C  Relative humidity  1095 %  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  Package 1 Height  3.744 cm  Package 1 Height  3.744 cm  Package 1 Height  3.749 cm  Package 1 Length  10.549 cm  Package 1 Weight  231.0 g  Unit Type of Package 2  S03  Number of Units in Package 2  S03  Number of Units in Package 2  S03  Number of Units in Package 2  Package 2 Height  30.0 cm  Package 2 Height  40.0 cm  Package 2 Weight  15.19 kg  Offer Sustainability  REACh Regulation  REACh Declaration  REACh free of SVHC  Yes  EU ROHS Directive  Pro-active compliance (Product out of EU RoHS legal scope)	IP degree of protection	IP20 conforming to IEC 62368-1
Relative humidity 1095 % 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 3.744 cm  Package 1 Width 8.79 cm  Package 1 Weight 231.0 g  Unit Type of Package 2 So3  Number of Units in Package 2 So3  Package 2 Height 30.0 cm  Package 2 Height 30.0 cm  Package 2 Weight 40.0 cm  Package 2 Weight 15.19 kg  Offer Sustainability  REACh Regulation REACh Declaration  REACh free of SVHC Yes  EU ROHS Directive Pro-active compiliance (Product out of EU ROHS legal scope)	Ambient air temperature for operation	-3070 °C (with power derating of 2.5 % per °C)
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Package 1 Length 10.549 cm  Package 1 Weight 231.0 g  Unit Type of Package 2 S03  Number of Units in Package 2 63  Package 2 Height 30.0 cm  Package 2 Width 30.0 cm  Package 2 Length 40.0 cm  Package 2 Weight 15.19 kg  Offer Sustainability  REACh Regulation REACh Declaration  REACh free of SVHC Yes  EU ROHS Directive Pro-active compliance (Product out of EU RoHS legal scope)	Package 1 Height	3.744 cm
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REACh Regulation  REACh Declaration  Yes  EU RoHS Directive  Pro-active compliance (Product out of EU RoHS legal scope)	Package 2 Weight	15.19 kg
REACh free of SVHC  Yes  EU RoHS Directive  Pro-active compliance (Product out of EU RoHS legal scope)	Offer Sustainability	
EU RoHS Directive Pro-active compliance (Product out of EU RoHS legal scope)	REACh Regulation	REACh Declaration
	REACh free of SVHC	Yes
	EU RoHS Directive	

China RoHS declaration

China RoHS Regulation

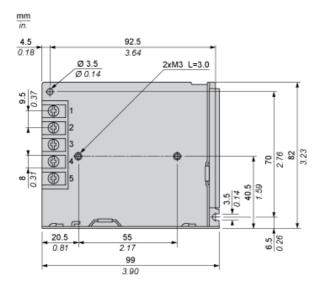
## **Product datasheet**

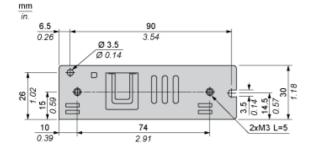
# ABL2REM24015K

**Dimensions Drawings** 

### **Dimensions Drawings**

#### **Mechanical Dimensions**





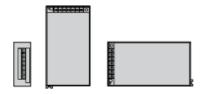
## **Product datasheet**

# ABL2REM24015K

Mounting and Clearance

### **Mounting and Clearance**

### **Vertical Mounting**

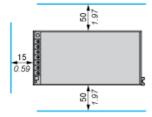


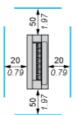
#### **Horizontal Mounting**



#### Clearance







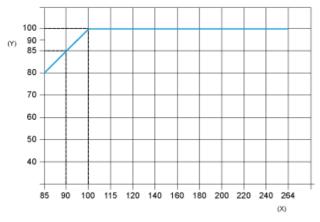
## **Product datasheet**

# ABL2REM24015K

**Performance Curves** 

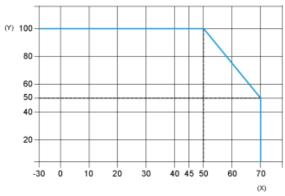
#### **Performance Curves**

#### **Static Characteristics**



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

#### **Derating Curve**



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

### Recommended replacement(s)