

# Product data sheet

Specifications



single phase power supply,  
100...240V input, 24V DC output,  
53W, 2,2A, overload

ABL2REM24020KQ

## Main

Range of product	Easy Modicon ABL2
Product or component type	Power supply
Power supply type	Regulated switch mode
Rated power in W	53 W
Main Input Voltage	100...240 V AC 1 phase
Output voltage	24 V DC
Power supply output current	2.2 A
Operating position	Horizontal and vertical by combination of X and Z axis
Vibration resistance	4 gn (f= 10...500 Hz) 4 gn
Name of test	Electromagnetic hypersensitivity (EHS) conforming to EN 61000-6-2 level A

## Complementary

Input voltage limits	85...264 V
Network frequency	47...63 Hz
Inrush current	45 A at 100...240 V AC
Cos phi	0.45
Efficiency	87 %
Power dissipation in W	7.9 W
Input protection type	Integrated fuse (not interchangeable)
Output voltage limits	20.4...27.6 V
Line and load regulation	< 1 %
Residual ripple	< 150 mV
Holding time	>= 12 ms at 115 V
Output protection type	Against overload and short-circuits, protection technology: 1.1...1.5 x In
Connections - terminals	For voltage output: screw connection, connection capacity: 0.5...2.5 mm <sup>2</sup> AWG 20...AWG 14
Marking	CE
Electromagnetic compatibility	Immunity to electromagnetic interference conforming to EN 55022 class B
Mounting support	Panel mounted

<b>Operating altitude</b>	< 5000 m
<b>Overvoltage category</b>	II
<b>Meantime between failure [MTBF]</b>	600000 h at 25 °C
<b>Status LED</b>	1 LED (green) power ON
<b>Width</b>	99 mm
<b>Height</b>	82 mm
<b>Depth</b>	30 mm
<b>Net weight</b>	0.2574 kg

## Environment

<b>Product certifications</b>	CE KC RCM
<b>IP degree of protection</b>	IP20 conforming to IEC 62368-1
<b>Ambient air temperature for operation</b>	-30...70 °C (with current derating of 2.5 % per °C)
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Relative humidity</b>	10...95 %  Class I conforming to IEC 62368-1
<b>Pollution degree</b>	2
<b>Dielectric strength</b>	3000 V between primary and secondary

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	3.0 cm
<b>Package 1 Width</b>	9.9 cm
<b>Package 1 Length</b>	8.2 cm
<b>Package 1 Weight</b>	257.4 g

## Recommended replacement(s)