

Product datasheet

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 IEC 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 ² AWG 20...AWG 14
Marking	CE
Electromagnetic compatibility	Immunity to electromagnetic interference conforming to EN 55022 class B
Mounting support	Panel mounted
Operating altitude	< 5000 m
Overvoltage category	II

Meantime between failure [MTBF]	600000 h at 25 °C
Status LED	1 LED (green) power ON
Width	99 mm
Height	82 mm
Depth	30 mm
Product weight	0.2574 kg

Environment

Product certifications	CE KC RCM
IP degree of protection	IP20 conforming to IEC 62368-1
Ambient air temperature for operation	-30...70 °C (with current 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	3000 V between primary and secondary

Packing Units

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

Contractual warranty

Warranty (in months)	18
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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

Yes

EU RoHS Directive

[Compliant By Exemption](#)

REACH Regulation

[Reference contains Substances of Very High Concern above the threshold](#)

Use Longer

Lifetime extension

Repair

No

Use Again

Repack and remanufacture

Take-back

No