

Lembar data produk

Spesifikasi



regulated SMPS - 1 or 2-phase -
100..240 V - 24 V - 20 A

ABL8RPM24200

Main

| | |
|-------------------------------------|---|
| Range of product | Modicon Power Supply |
| Product or component type | Power supply |
| Power supply type | Regulated switch mode |
| Nominal input voltage | 100...120 V AC single phase, terminal(s): N-L1 200...240 V AC phase to phase, terminal(s): L1-L2 |
| Rated power in W | 480 W |
| Output voltage | 24 V DC |
| Power supply output current | 20 A |
| Permissible temporary current boost | 1.5 x I _n (for 4 s) |
| Anti-harmonic filter | Low frequency harmonic currents |

Complementary

| | |
|---------------------------|--|
| Input voltage limits | 85...132 V AC 170...264 V AC |
| Inrush current | 30 A |
| Power factor | 0.68 at 240 V AC 0.69 at 120 V AC |
| Efficiency | 88 % |
| Output voltage adjustment | 24...28.8 V adjustable |
| Power dissipation in W | 57.6 W |
| Provided equipment | Power factor correction filter conforming to IEC 61000-3-2 |
| Output protection type | Against overload, protection technology: manual or automatic reset Against overvoltage, protection technology: 30...32 V, manual reset Against short-circuits, protection technology: manual or automatic reset Against undervoltage, protection technology: tripping if U < 21.6 V Thermal, protection technology: automatic reset |
| Connections - terminals | Removable screw terminal block: 2 x 2.5 mm ² , for diagnostic relay Screw type terminals: 3 x 0.5...3 x 4 mm ² , (AWG 22...AWG 12) for input connection Screw type terminals: 1 x 0.5...1 x 4 mm ² , (AWG 22...AWG 12) for input ground connection Screw type terminals: 4 x 0.5...4 x 4 mm ² , (AWG 22...AWG 12) for output connection |
| Status LED | 1 LED (green and red) output voltage 1 LED (green, red and orange) output current |
| Depth | 145 mm |
| Height | 125 mm |
| Width | 146 mm |
| Net weight | 1.6 kg |

| | |
|----------------------------|--|
| Output coupling | Series Parallel |
| Marking | CE |
| Mounting support | 35 x 7.5 mm symmetrical DIN rail 35 x 15 mm symmetrical DIN rail |
| Operating position | Vertical |
| Supply | SELV conforming to IEC 60950-1 SELV conforming to IEC 60204-1 SELV conforming to IEC 60364-4-41 |
| Dielectric strength | 2500 V with between input and ground 3000 V with between input and output 500 V with between output and ground |

Environment

| | |
|--|--|
| Standards | CSA C22.2 No 60950-1 UL 508 EN/IEC 62368-1 |
| Product certifications | CCSAus EAC KC RCM UL |
| Environmental characteristic | EMC conforming to IEC 61000-6-1 EMC conforming to IEC 61000-6-3 EMC conforming to EN 55024 EMC conforming to IEC 61000-6-4 EMC conforming to EN/IEC 61204-3 Safety conforming to IEC 60950-1 Safety conforming to EN/IEC 61204-3 |
| Operating altitude | 2000 m |
| IP degree of protection | IP20 conforming to IEC 60529 IP10 |
| Ambient air temperature for operation | 50...60 °C with derating factor mounting position A < 2000 m -25...50 °C without derating mounting position A < 2000 m |

Packing Units

| | |
|-------------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 16.084 cm |
| Package 1 Width | 17.706 cm |
| Package 1 Length | 17.786 cm |
| Package 1 Weight | 2.82 kg |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 6 |
| Package 2 Height | 30 cm |
| Package 2 Width | 40 cm |
| Package 2 Length | 60 cm |
| Package 2 Weight | 17.6 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 36 |
| Package 3 Height | 73.5 cm |

| | |
|------------------|-----------|
| Package 3 Width | 60.0 cm |
| Package 3 Length | 80.0 cm |
| Package 3 Weight | 101.52 kg |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 12 months |
|----------|-----------|

Keberlanjutan

Green Premium™ label adalah komitmen Schneider Electric untuk memberikan produk dengan performa lingkungan terbaik di kelasnya. Green Premium menjanjikan kepatuhan pada peraturan terbaru, transparansi pada dampak lingkungan, serta produk melingkar dan rendah CO₂.

Panduan untuk menilai keberlanjutan produk adalah laporan resmi yang menjelaskan standar label lingkungan global dan bagaimana menafsirkan deklarasi lingkungan.

[Pelajari lebih lanjut tentang Green Premium >](#)

[Panduan untuk menilai keberlanjutan produk >](#)



Transparansi RoHS/REACH

Kinerja kesejahteraan

Mercury Free

Rohs Exemption Information [Yes](#)

Pvc Free

Sertifikasi & Standar

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Pro-active compliance (Product out of EU RoHS legal scope)

China Rohs Regulation [China RoHS declaration](#)

Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile [End of Life Information](#)