Product data sheet
Characteristics

ABL8RPM24200
Regulated switch power supply, modicon power supply, 1 or 2 phase, 100 to 240V, 24V, 20A



Main

Range of product	Modicon Power Supply
Product or component type	Power supply
Power supply type	Regulated switch mode
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 In (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 limits	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 mm², for diagnostic relay Screw type terminals: 3 x 0.5...3 x 4 mm², (22 AWG...12 AWG) for input connection Screw type terminals: 1 x 0.5...1 x 4 mm², (22 AWG...12 AWG) for input ground connection Screw type terminals: 4 x 0.5...4 x 4 mm², (22 AWG...12 AWG) 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[RETURN]EAC[RETURN]KC[RETURN]RCM[RETURN]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	20.000 Cm
Package 1 Width	18.500 Cm
Package 1 Length	19.500 Cm
Package 1 Weight	2.811 Kg
Unit Type of Package 2	P06
Number of Units in Package 2	36
Package 2 Height	75.000 Cm
Package 2 Width	60.000 Cm
Package 2 Length	80.000 Cm
Package 2 Weight	114.956 Kg

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
Environmental Disclosure	Product Environmental Profile
Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
SCIP Number	C433dc09-2f7b-4231-a331-94ae03569bc6
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status :	End of commerc. announced