

Datasheet

RS Pro 960W 1 Output, 0 → 40A DIN Rail Power Supply SDR-960, 24V dc to 28V dc RS Stock No: 122-2226



Product Details

RS Pro 960 W DIN rail power supply SDR-960 has an output voltage of 24 V dc to 28 V dc and an output current of 40 A. It is ideal for use in industrial control systems, semiconductor fabrication equipment, factory automation and electro-mechanical apparatus. DIN Rail power supply meets UL 508, TUV EN 60950-1 and EN 61000-6-2 standards.

Features and Benefits

- Short circuit/overload/over voltage/over temperature protections
- Can be installed on DIN rail TS-35/7.5 or 15
- Cooling by free air convection
- 100% full load burn-in test
- High efficiency 90% (SDR-75) 94% (SDR-960) and low-power dissipation
- 150% (SDR-75) 130% (SDR-960) peak load capability
- Built-in active PFC function compliance to EN61000-3-2
- Built-in constant current limiting circuit

Specifications:

AC or DC Input Voltage	ac
AC or DC Output Voltage	dc
Allowed Circuit Configurations	Parallel
Application	Industrial Control Systems, Semiconductor Fabrication Equipment, Factory Automation, Electro- Mechanical Apparatus
Depth	150 mm
Dimensions	125.2 x 110 x 150 mm
Efficiency	0.94
Holdup Time	14 ms @ 230 V ac
Input Electrical Phase	Single Phase
Input Frequency Range	47 to 63 Hz
Input Voltage	180 to 264 V ac
Length	125.2 mm
Line Regulation	±0.5%
Load Regulation	±1%
Maximum Input Current	6 A @ 230 V ac
Maximum Input Voltage	264 V ac
Maximum Output Voltage	28 V dc
Maximum Temperature	+70°C
Minimum Input Voltage	180 V ac
Minimum Output Voltage	24 V dc
Minimum Temperature	-30°C
Mounting Type	DIN Rail
MTBF	69.8 kh
Number of Outputs	1
Output Current	0 to 40 A
Output Voltage Adjustment Range	24 to 28 V



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Output Voltage	24 V dc
Power Rating	960 W
Power Signal Conversion Type	AC-DC
Protection Features	Over Temperature Protection, Over Voltage Protection, Overload Protection, Short Circuit Protection
Ripple And Noise	180 mV Pk-Pk
Special Features	Cooling by Free Air Convection, Low-Power Dissipation, 110 mm Slim Design, Built-In Active PFC Function, Built-In Constant Current Limiting Circuit, 130% Peak Load Capacity, 100% Full Load Burn-In Test, Installed on DIN Rail TS-35/7.5 or 15, 3-Years Warranty
Standards Met	UL 508, TUV EN 60950-1, EN 61000-6-2, EN 61000-3-2, RoHS Compliant
Weight	2.47 kg
Width	110 mm