



SPS-24/3,1

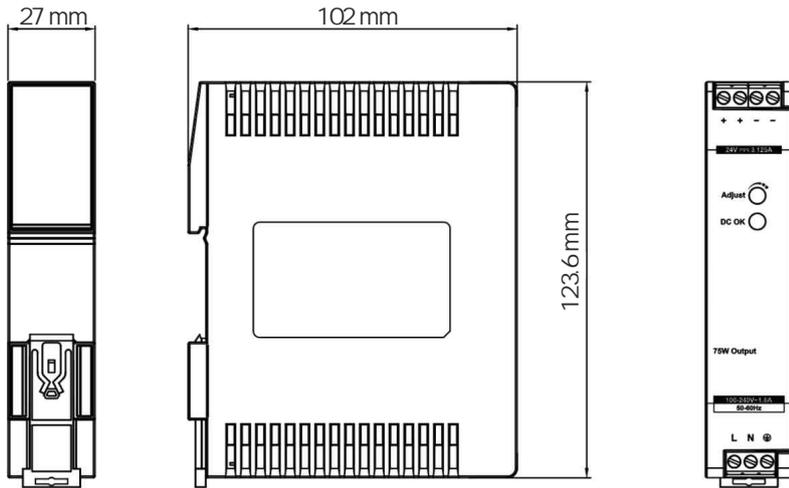
- industrial 75W power supply
- DIN rail mounting
- class II, double isolation (no Earth connection is required)
- universal AC input voltage range
- full power from -10°C to +50°C
- efficiency > 89.0% @ 115VAC & 230VAC
- can be installed in compact cabinets
- convection cooling

The SPS-24/3,1 is part of the DIN rail power supply series, designed for price sensitive users who require basic yet reliable power output for general industrial applications. The convection-cooled series operates between -20°C to +70°C, providing 100% output power from -10°C to +50°C at 230V AC. The overcurrent protection is designed to operate in constant current mode, which makes the power supplies suitable for inductive and capacitive load applications. The product is certified according to safety standards IEC 60950-1 & IEC/EN/UL 62368-1. Electromagnetic radiated and conducted emissions are certified according to EN 55032, Class B; and, the product is RoHS compliant for environmental protection.

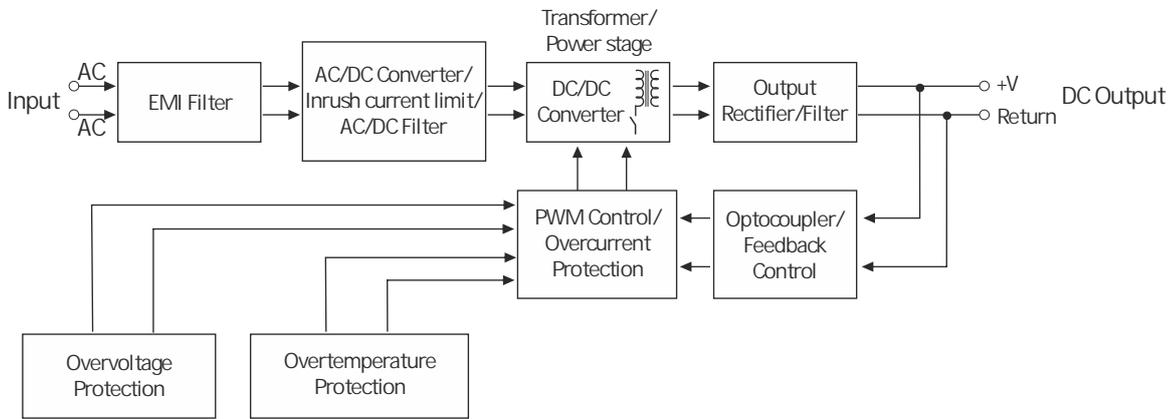
TECHNICAL DATA

Input ratings	nominal input voltage: 100 ÷ 240V AC (85 ÷ 264V AC); 125 ÷ 375V DC nominal input frequency: 50 ÷ 60 Hz (47 ÷ 63 Hz) input current: < 1.40A @ 115V AC, < 0.90A @ 230V AC efficiency at 100% load: > 89.0% @ 115V AC & 230V AC max inrush current (cold start): < 50A @ 230V AC leakage current: < 1.00mA @ 240V AC
Output ratings	nominal output voltage: 24V DC factory set point tolerance: 24V DC ± 2% output current: 3.125A output power: 75W line regulation: < 0.5% (@ 85 ÷ 264V AC input, 100% load) load regulation: < 1.0% (0 ÷ 100% load) rise time: < 30 ms @ nominal input (100% load) start-up time: < 1200 ms typ. @ 115V AC (100% load); 1000 ms typ. @ 230V AC (100% load) hold-up time: > 16 ms @ 115V AC, > 60 ms @ 230V AC (100% load) dynamic response: ± 10% @ 115V AC & 230V AC input, 0 ÷ 50%, 50 ÷ 100% load
Galvanic isolation	3.0 kV AC (input to output)
Overvoltage	< 33.6 V, over voltage category II
Overload	> 105 ÷ 133% of rated load current, class II protection against shock
Noise	< 25 dBA (1 meter from power supply)
Mounting	standard TS35 DIN rail in accordance with EN 60715
Environment	operating temperature: -20°C ÷ 70°C, storage temperature: -40°C ÷ 85°C, humidity: 5 ÷ 95%, non-condensing
Degree of protection	IP 20
Case cover	plastic
Dimensions (L x W x D)	123.6 x 27 x 102 mm
Weight	220g

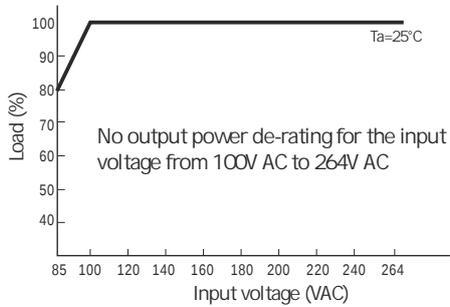
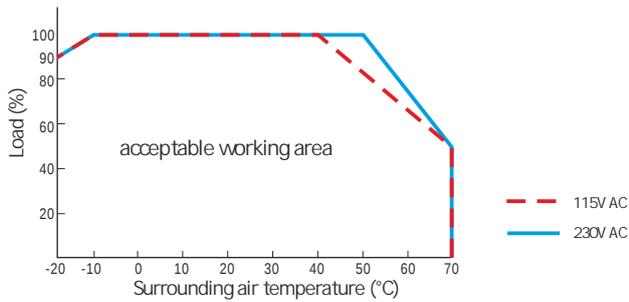
DIMENSIONS



BLOCK DIAGRAM



OUTPUT LOAD DE-RATING VS SURROUNDING AIR TEMPERATURE



ORDERING

SPS-24/3,1

