



## SPS-24/10,0

- industrial 240W power supply
- DIN rail mounting
- class II, double isolation (no Earth connection is required)
- universal AC input voltage range
- full power from -30°C to +50°C
- efficiency < 90% @ 230V AC
- can be installed in compact cabinets
- convection cooling

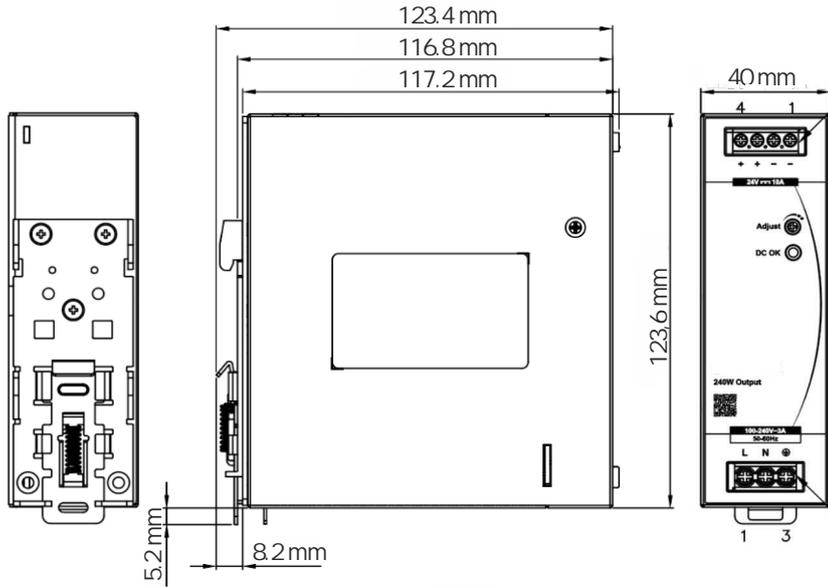
The SPS-24/10,0 is part of the DIN rail power supply series designed for cost sensitive users who need to fulfill essential features needed for many general industrial applications, without compromising on quality and reliability. The convection-cooled series will operate full power from -30°C to +50°C at 230V AC. The product is certified according to safety standards IEC/EN/UL 62368-1. Electromagnetic radiated and conducted emissions are compliant to heavy industrial EN 61000-6-4 Class B Emission standard and EN 61000-6-2 Immunity standard. The product complies with environmental protection requirements as per RoHS Directive.

### TECHNICAL DATA

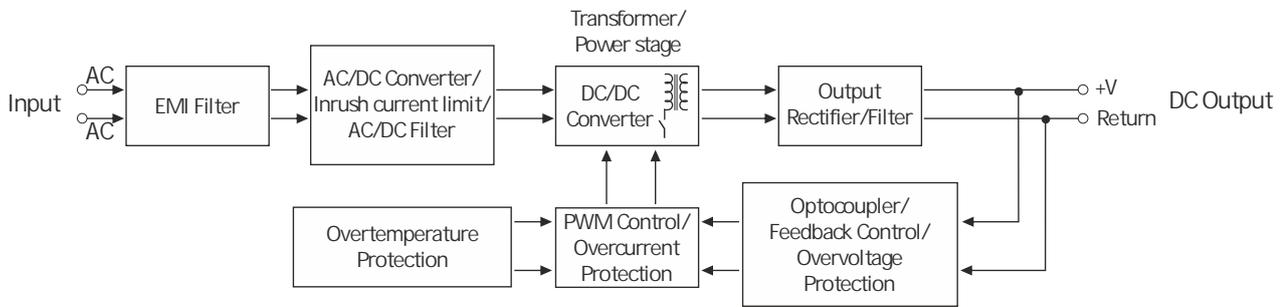
Input ratings	nominal input voltage: 100 ÷ 240V AC (90 ÷ 264V AC) nominal input frequency: 50 ÷ 60 Hz (47 ÷ 63 Hz) input current: < 2.50A @ 115V AC, < 1.30A @ 230V AC efficiency at 100% load: typ. 90% @ 230V AC (100% load); 88% @ 115V AC (@ 25%, 50%, 75%, 100% load) max inrush current (cold start): < 40A @ 230V AC leakage current: < 0.75mA @ 240V AC
Output ratings	nominal output voltage: 24V DC factory set point tolerance: 24V DC ± 1% output current: 10.0A output power: 240W line regulation: < 0.5% @ 115V AC & 230V AC load regulation: < 0.5% rise time: < 30 ms @ 115V AC & 230V AC start-up time: < 500 ms @ 115V AC & 230V AC hold-up time: > 20 ms @ 115V AC & 230V AC (100% load) dynamic response: ± 10% @ 115V AC & 230V AC input, 10 ÷ 100% load
Galvanic isolation	3.0 kV AC (input to output)
Overvoltage	< 33.6 V, over voltage category II
Overload	> 105 ÷ 150% 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: -30°C ÷ 70°C, storage temperature: -40°C ÷ 85°C, humidity: 20 ÷ 90%, non-condensing
Degree of protection	IP 20
Case cover	SGCC / Aluminum
Dimensions (L x W x D)	123.6 x 40 x 116.8 mm
Weight	620 g



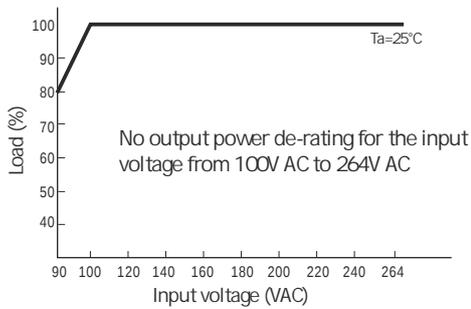
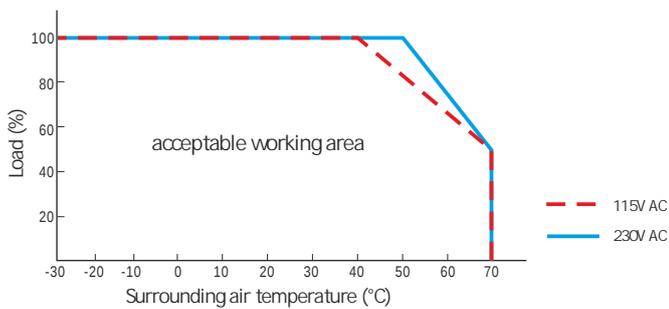
**DIMENSIONS**



**BLOCK DIAGRAM**



**OUTPUT LOAD DE-RATING VS SURROUNDING AIR TEMPERATURE**



**ORDERING**

SPS-24/10,0

