

SPX-24/1

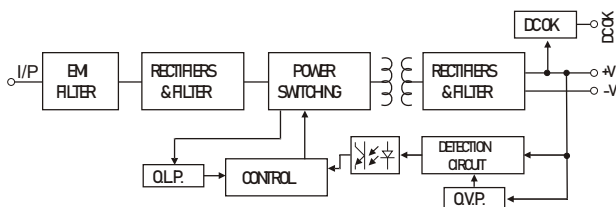
- ultra-narrow , industrial DIN rail power supply
- universal AC input / full range
- protections: short circuit / overload / over voltage
- LED indicator for power on
- 100% full load burn-in test



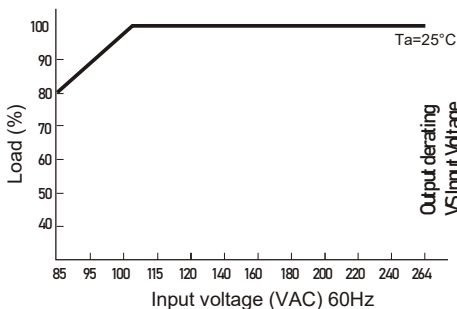
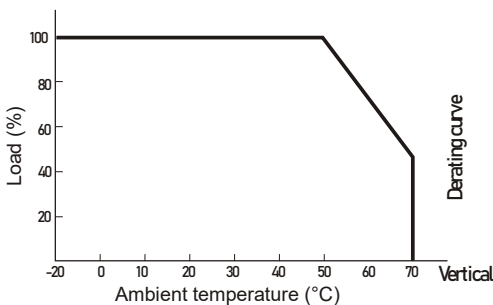
Din Rail power supplies are a fanless design for installation on TS35/7,5 or TS35/15 industrial rails available as a slim line 30 Watt unit. Known uses include general industrial applications including factory automation, electro-mechanical industry, data communications, IT, power distribution boxes, control panels, building automation and household appliance control.

- cooling by free air convection,
- can be installed on DIN rail TS-35/7,5 or 15,
- no load power consumption <0,75 W
- NEC class 2 / LPS compliant,
- built in DC OK active signal

Block diagram



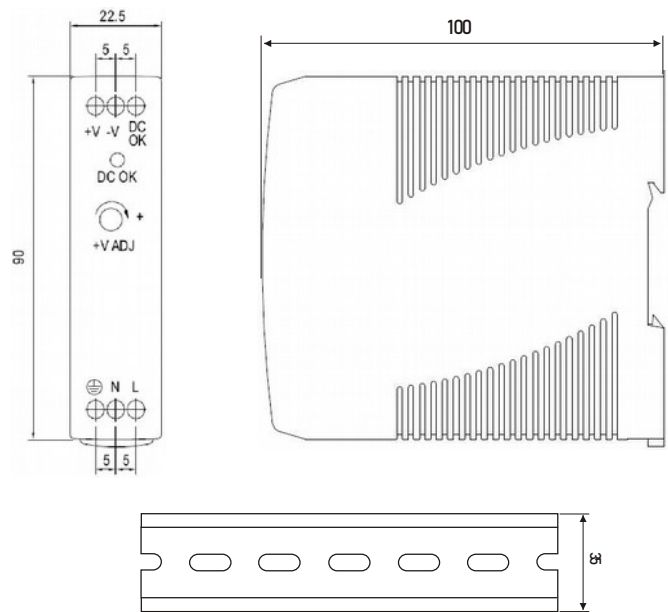
Output derating



Ordering

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Dimensions



Technical data

Output:

- DC voltage: 24 V
- Rated current: 1 A
- Current range: 0 - 1 A
- Rated power: 24 W
- Ripple & noise (max.): 150mVp-p
- Voltage adj. Range: 21,6 - 26,4 V
- Voltage tolerance: $\pm 1\%$
- Line/load regulation: $\pm 1\%/\pm 1\%$
- Setup, rise time: 500ms, 30ms/230VAC; 1000ms, 30ms/115VAC at full load
- Hold time (typ.): 50ms/230VAC; 20ms/115VAC at full load

Input:

- Voltage range: 85 - 264 VAC; 120 - 370 VDC
- Frequency range: 47 - 63 Hz
- Efficiency (typ.): 84%
- AC current (typ.): 0,55A/115VAC; 0,35A/230VAC
- Inrush current (typ.): COLD START 20A/115VAC; 40A/230VAC

Overload protection: 105 - 160% rated output power; protection type: constant current limiting, recovers automatically after fault condition is removed

Over voltage protection: 27,6 - 32,4 V; protection type: shut down o/p voltage, repower on to recover

- DC OK active signal: max. 18 - 27V / 20 mA
- Working temperature: -20°C - +70°C (Refer to output load derating curve)
- Working humidity: 20 - 90% RH non-condensing
- Storage temperature: -40°C - +85°C
- Storage humidity: 10 - 95% RH
- Temperature coefficient: 0,03%/°C (0 - 50°C)
- Vibration: 10 - 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
- Weight: 0,19 kg
- Dimensions (W x H x D): 22,5 x 90 x 100 mm
- Safety standards: UL60950-1, TUV EN60950-1 Approved, Design refer to EN50178
- EMC: EN55022 class B, EN61000-3-2,3, EN61000-6-2, EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61204-3