

# SPX-24/1

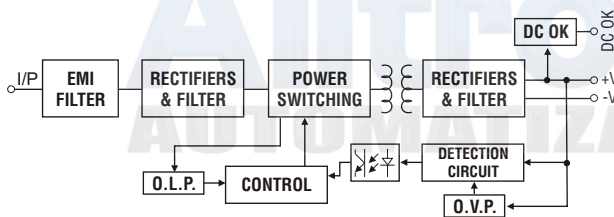
- ultra-narrow, industrial DIN rail power supply
- universal AC input / full range
- protections: short circuit / overload / over voltage
- LED indicator for power on
- 100% full load burn-in test



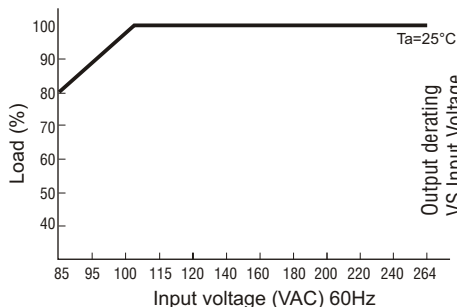
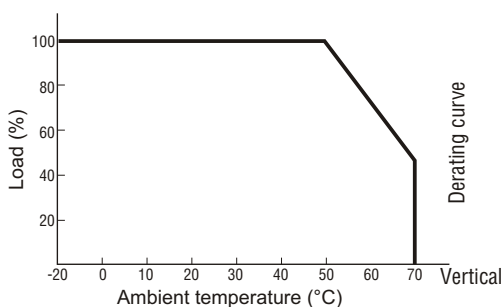
Din Rail power supplies are a fanless design for installation on TS35/7,5 or TS35/15 industrial rails available as a slim line 30 Watt unit. Known uses include general industrial applications including factory automation, electro-mechanical industry, data communications, IT, power distribution boxes,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

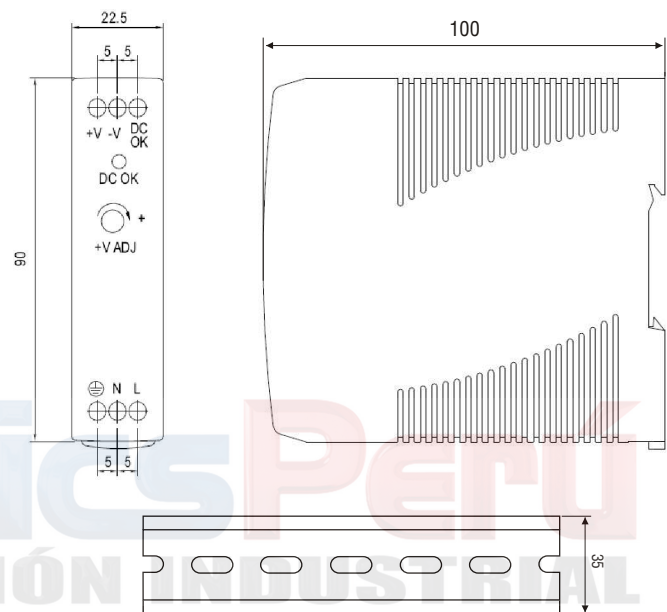


## Output derating



## Ordering

## 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