

## SPS-24/2,5

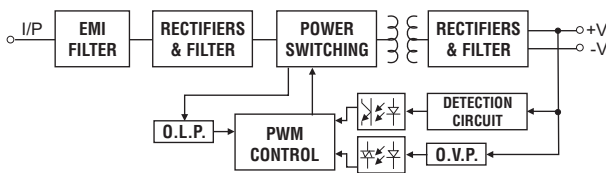
- single output, industrial DIN rail power supply
- universal AC input / full range
- protections: short circuit / over load / over voltage
- LED indicator for power on
- 100% full load burn-in test
- 2 years warranty



Din Rail power supplies are a fanless design for installation on TS35/7,5 or TS35/15 industrial rails available as a slim line 60 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.

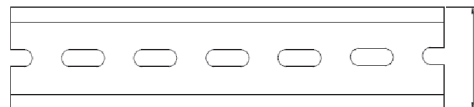
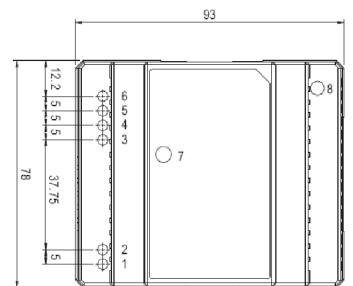
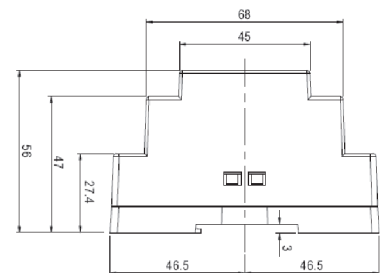
- cooling by free air convection,
- can be installed on DIN rail TS-35/7,5 or 15,
- UL 508 (industrial control equipment) approved,
- isolation class II.

### Block diagram

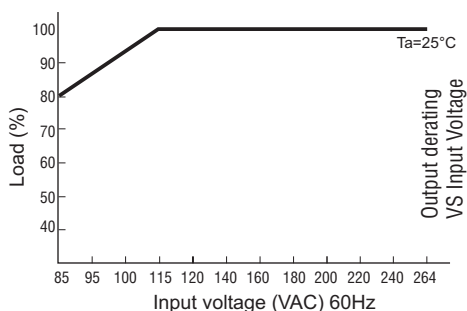
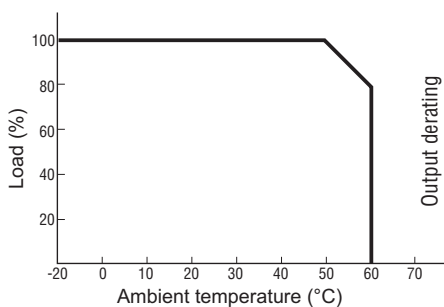


### Pin assignment and dimensions

Pin No.	Assignment
1	AC/N
2	AC/L
3,4	+V
5,6	-V
7	LED
8	V ADJ.



### Output derating



### Ordering

SPS-24/2,5

### Technical data

#### Output:

DC voltage: 24 V  
 Rated current: 2,5 A  
 Current range: 0 ~ 2,5 A  
 Rated power: 60 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: 100ms, 30ms/230VAC; 200ms, 30ms/115VAC at full load  
 Hold time (typ.): 100ms/230VAC; 23ms/115VAC at full load

#### Input:

Voltage range: 88 ~ 264 VAC; 124 ~ 370 VDC  
 Frequency range: 47 ~ 63 Hz  
 Efficiency (typ.): 84%  
 AC current (typ.): 1,2A/115VAC; 0,8A/230VAC  
 Inrush current (typ.): COLD START 18A/115VAC; 36A/230VAC

**Over load 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, re-power on to recover

**Working temperature:** -20°C ~ +60°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

**Temp. Coefficient:** 0,03%/°C (0 ~ 50°C)

**Vibration:** 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes

**Weight:** 0,3 kg

**Dimensions (W x H x D):** 78 x 93 x 56 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