

SPS-24/2,5

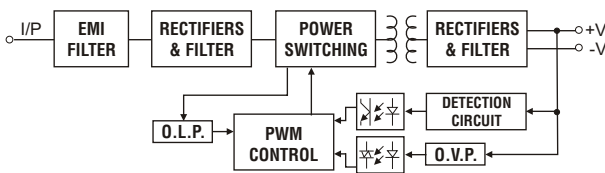
- ▣ single output, industrial DIN rail power supply
- ▣ universal AC input / full range
- ▣ protections: short circuit / overload / over voltage
- ▣ LED indicator for power on
- ▣ 100% full load burn-in test



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

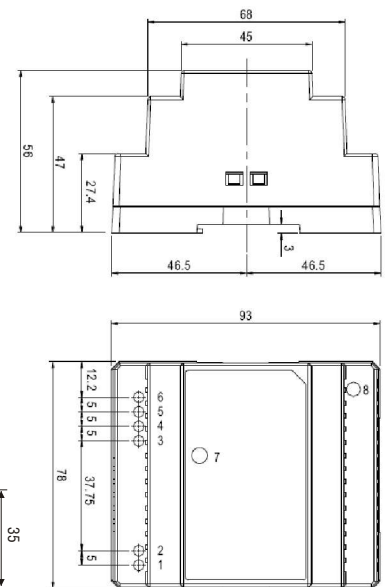
- cooling by free air convection,
- can be installed on DIN rail TS-35/7,5 or 15,
- UL 508 (industrial control equipment) approved,
- isolation class II.

Block diagram

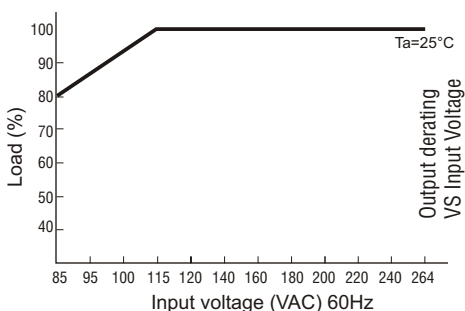
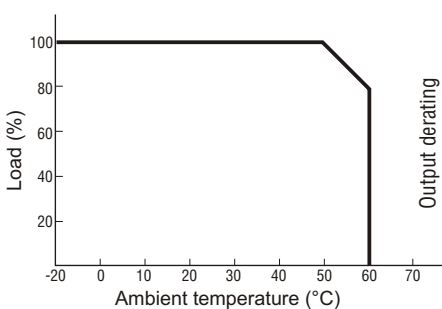


Pin assignment and dimensions

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

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, 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

Temperature coefficient: 0,03%/°C (0 ~ 50°C)

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

Weight: 0,3 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