

Single output industrial DIN rail power supply

- Universal AC input / Full range,
- Protections: Short circuit / Over load / Over voltage,
- 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,
- LED indicator for power on,
- 100% full load burn-in test.

SPS-24/1,5



SPS-24/2,5



SPS-24/5



Technical data

		SPS-24/1,5	SPS-24/2,5	SPS-24/5
OUTPUT	DC VOLTAGE	24 V	24 V	24 V
	RATED CURRENT	1,5 A	2,5 A	5 A
	CURRENT RANGE	0 ~ 1,5 A	0 ~ 2,5 A	0 ~ 5 A
	RATED POWER	36 W	60 W	120 W
	RIPPLE & NOISE (max.)	150mVp-p	150mVp-p	80mVp-p
	VOLTAGE ADJ. RANGE	21,6 ~ 26,4 V	21,6 ~ 26,4 V	24 ~ 28 V
	VOLTAGE TOLERANCE	± 1%	± 1%	± 1%
	LINE/LOAD REGULATION	± 1%/± 1%	± 1%/± 1%	± 0,5%/± 1%
	SETUP, RISE TIME	100ms, 30ms/230VAC 100ms, 30ms/115VAC at full load	100ms, 30ms/230VAC 200ms, 30ms/115VAC at full load	500ms, 70ms/230VAC 500ms, 70ms/115VAC at full load
HOLD TIME (Typ.)	100ms/230VAC 21ms/115VAC at full load	100ms/230VAC 23ms/115VAC at full load	36ms/230VAC 32ms/115VAC at full load	
INPUT	VOLTAGE RANGE	85 ~ 264 VAC; 120 ~ 370 VDC	88 ~ 264VAC; 124 ~ 370VDC	88 ~ 132VAC/176 ~ 264VAC by switch 248 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63 Hz	47 ~ 63 Hz	47 ~ 63 Hz
	EFFICIENCY (Typ.)	83%	84%	84%
	AC CURRENT (Typ.)	0,88A/115VAC; 0,48A/230VAC	1,2A/115VAC; 0,8A/230VAC	2,6A/115VAC; 1,6A/230VAC
INRUSH CURRENT (Typ.)	COLD START 15A/115VAC 30A/230VAC	COLD START 18A/115VAC 36A/230VAC	COLD START 20A/115VAC 40A/230VAC	
PROTECTION	OVER LOAD	105 ~ 160% rated output power		105 ~ 150% rated output power
	OVER VOLTAGE	27,6 ~ 32,4 V	27,6 ~ 32,4 V	29 ~ 33 V
	OVER TEMPERATURE	no protection	no protection	90°C ±5°C (TSW1)
ENVIRONMENT	WORKING TEMP., HUMIDITY	-20°C ~ +60°C (Refer to output load derating curve); 20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40°C ~ +85°C, 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		
OTHERS	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 Approved, Design refer to EN50178		
	EMC	EN55022 klasa B, EN61000-3-2,3, EN61000-6-2, EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61204-3		
	WEIGHT	0,27 kg	0,3 kg	0,79 kg
	DIMENSIONS (W x H x D)	78 x 93 x 56 mm	78 x 93 x 56 mm	65,5 x 125 x 100 mm
	NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temp. 2. Ripple & noise are measured at 20MHz of bandwidth using a 12" twisted pair-wire terminated parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.		