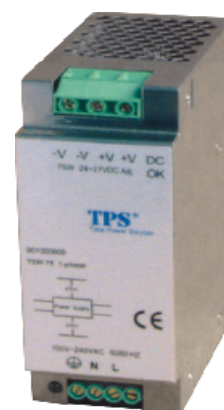


## 75W Single 1 Phase Industrial DIN RAIL Power Supply

### Features:

- Universal AC input/Full range
- Protection: Short circuit/Over load/Over voltage/Over temperature
- Cooling by free air convection
- Constant Current limited with charge function
- Can be installed on DIN rail TS-35/7.5 or 15
- compliant to UL 508(industrial control equipment)
- LED indicator for power on
- 100% full load burn-in test
- 3 years warranty



### Specification:

MODEL		DIN RAIL 75W
INPUT	VOLTAGE RANGE	AC85 – 264V 1 $\phi$ or DC120 – 370V
	AC CURRENT	2A/3,3A/3,5A at 115VAC ; 1.2A/2A/2,8A at 230VAC
	FREQUENCY RANGE	47 – 63Hz
	EFFICIENCY	80%~88%
	INRUSH CURRENT	30A <sub>typ</sub> /115VAC 60A <sub>typ</sub> /230VAC(At cold state)
	LEAKAGE CURRENT	1mA max/240VAC
OUTPUT	DC VOLTAGE	12VDC; 24VDC, 48VDC
	RATED CURRENT	6,3A; 3.2A; 1,6A
	CURRENT RANGE	0 ~ 3.2A
	RATED POWER	75W
	RIPPLE NOISE	80~150 mVp-p
	VOLTAGE ADJ RANGE	See tab.
	VOLTAGE TOLERANCE	+/-1.0%
	LINE REGULATION	+/-0.5%
	LOAD REGULATION	+/-0.5%
	SETUP, RISE, HOLD TIME	1000ms, 60ms, 50ms/230VAC ; 1800ms, 60ms, 10ms/115VAC at full load
PROTECTION	OVER LOAD	105 ~ 150% rated output power Protection type: Constant current limiting, recovers automatically after fault condition is removed
	OVER VOLTAGE	29 ~ 36V
	OVER TEMPERATURE	100 $^{\circ}$ C+/-5 $^{\circ}$ C (PTC) Detect inside of transformer Protection type: Shut down o/p voltage, recovers automatically after temperature goes down
ENVIRONMENT	WORKING TEMPERATURE	-10 ~ +60 $^{\circ}$ C ( Refer to output load derating curve)
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +85 $^{\circ}$ C, 10 ~ 95% RH
	TEMP. COEFFICIENT	+/-0.03% (0 ~ 50 $^{\circ}$ C)
SAFETY AND EMC	VIBRATION	10 ~ 500Hz, 2G 10min/1cycle, 60min. each along X, Y, Z axes
	SAFETY STANDARDS	Compliance to UL508, TUV EN60950-1
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG 100M Ohms/500VDC
	EMI CONDUCTION & RADIATION	Compliance to EN55011(CISPR11), EN55022(CISPR22) Class B
	HARMONIC CURRENT	Compliance to EN61000-3-2,3
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-2(EN50082-2) Heavy industry level, criteria A
	MTBF	200Khrs min. MIL-HDBK-217F (25 $^{\circ}$ C)
	PACKING	53 * 125.2 * 100.5mm (W * H * D) 0.55Kg; 40pcs/22kg/1.9CUFT
NOTE	<ol style="list-style-type: none"> <li>1. All Parameters NOT specially mentioned are measured at 230VAC input, rated load and 25<math>^{\circ}</math>C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance: includes set up tolerance, line regulation and load regulation.</li> <li>4. The power supply is considered a component which will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</li> </ol>	

Ordering Information:

Model Name	Output Voltage	Minimal Load	Maximal load	Peak Load	Ripple/Noise	Eff.
TPS075-DR1S01	11~15VDC	0	6,2A	7,5A	80mV	83%
TPS075-DR1S02	19~28VDC	0	3,2A	4,2A	100mV	87%
TPS074-DR1S03	46~52VDC	0	1,6A	2,3A	150mV	89%

Drawing:

TPS075-DR1S series

