



EN 62368-1

Features:

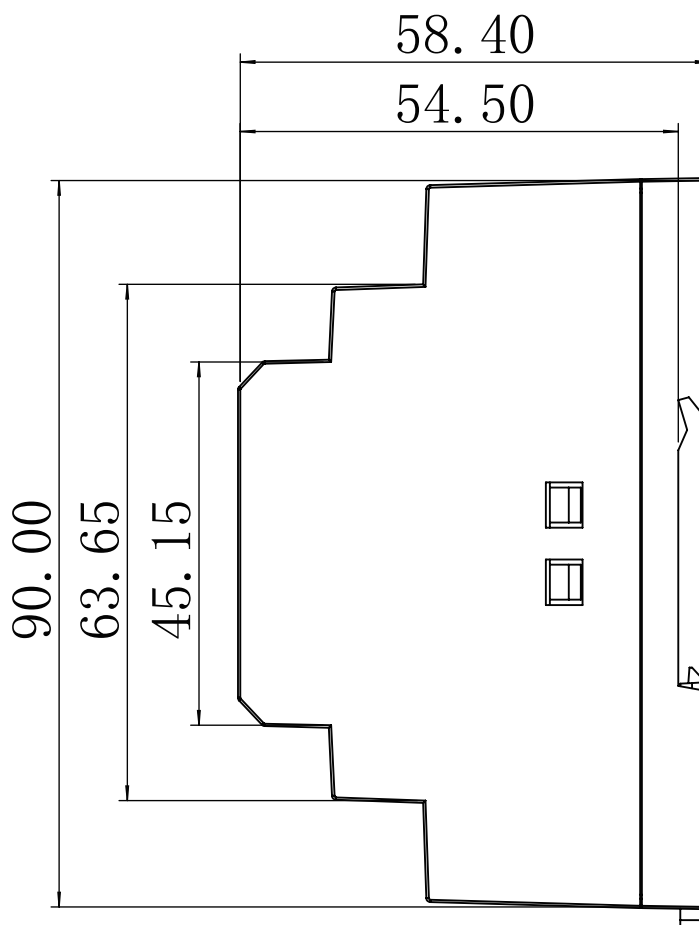
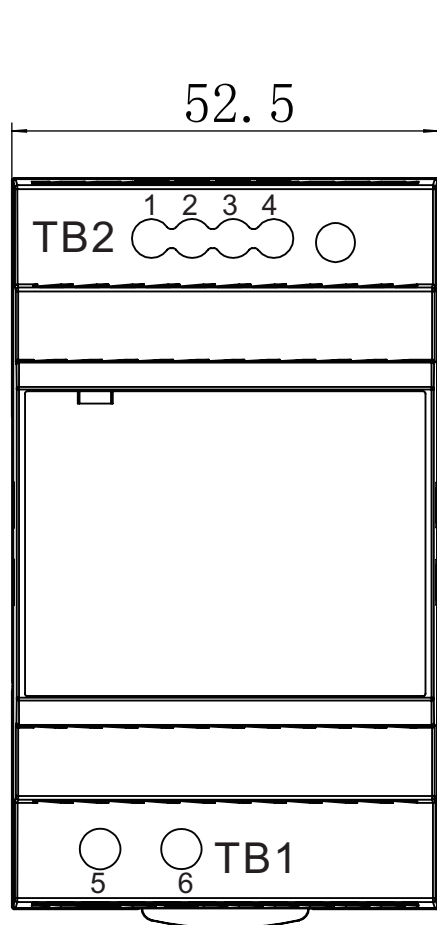
- Universal AC input 85~264VAC
- Protections: Short circuit / Overload / Over voltage
- Can be installed on DIN rail TS-35/7.5 or 15
- The body width is only 52.5mm
- No load consumption<0.5W
- Isolation class II
- LED indicator for power on
- High reliability
- 3 years warranty
- Compliance to IEC/EN/UL 62368-1

Specification

MODEL		SIP75-5	SIP75-12	SIP75-15	SIP75-24	SIP-75-36	SIP-75-48
INPUT	VOLTAGE RANGE	85~264VAC 120~370VDC (Refer to "Static characteristics")					
	FREQUENCY RANGE	47~63Hz					
	EFFICIENCY(Typ.)	85%	88%	88%	90%	90%	91%
	AC CURRENT(Typ.)	1.7A/115VAC 0.9A/230VAC					
	INRUSH CURRENT(Typ.)	30A/115VAC 60A/230VAC (cold start)					
OUTPUT	DC VOLTAGE	5V	12V	15V	24V	36V	48V
	RATED CURRENT	8A	5A	4A	3.14A	2.08A	1.57A
	CURRENT RANGE	0~8A	0~5A	0~4A	0~3.14A	0~2.08A	0~1.57A
	RATED POWER	40W	60W	60W	75.36W	74.88W	75.36W
	RIPPLE&NOISE (max.)	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p
	VOLTAGE ADJ.RANGE	5~5.5V	10.8~13.8V	13.5~18V	21.6~28.8V	32.4~43.2V	43.2~57.6V
	VOLTAGE TOLERANCE	±2%	±1%	±1%	±1%	±1%	±1%
	LINE REGULATION	±1%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±2%	±1%	±1%	±1%	±1%	±1%
	SETUP, RISE TIME	500ms,50ms/230VAC 500ms,50ms/115VAC					
	HOLD UP TIME(Typ.)	30ms/230VAC 7ms/115VAC					
PROTECTION	OVER LOAD	105%~160% rated output power					
		Protection type: hiccup mode, recovers automatically after fault condition removed					
	OVER VOLTAGE	5.75~6.75V	15~18V	20~25V	30~36V	45~50V	60~66V
ENVIRONMENT	WORKING TEMP.,HUMIDITY	-30~+70°C (Refer to "Derating curve") , 20~90%RH non-condensing					
	STORAGE TEMP.,HUMIDITY	-40~+85°C, 10~95%RH					
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)					
	VIBRATION	10~500Hz, 2G 10min./1 cycle, each along X、Y、Z axes					

Safety and electromagnetic compatibility	Safety standards	Refer to UL62368-1,TUV EN62368-1,CCC GB4943.1		
	Withstand voltage and isolation resistance	I/P-O/P: 4KVac ; 100MΩ / 500Vdc / 25℃ / 70%RH		
	Electromagnetic compatibility emission	Parameter	Standard	Test Level / Note
		Conducted emission	BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22 ,GB9254.1	Class B
		Radiated emission	BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22 ,GB9254.1	Class B
		Harmonic current	BS EN/EN61000-3-2,GB17625.1	Class A
		Voltage flicker	BS EN/EN61000-3-3	----
	Electromagnetic compatibility immunity	BS EN/EN55035		
		Parameter	Standard	Test Level /Note
		ESD	BS EN/EN61000-4-2	Level 4, 8KV air, Level 2, 4KV contact, criteria A
		RF field susceptibility	BS EN/EN61000-4-3	Level 3, criteria A
		EFT bursts	BS EN/EN61000-4-4	Level 3, criteria A
		Surge susceptibility	BS EN/EN61000-4-5	Level 4, 2KV/L-N criteria A
		Conducted susceptibility	BS EN/EN61000-4-6	Level 3, criteria A
		Magnetic field immunity	BS EN/EN61000-4-8	Level 4, criteria A
		Voltage dips and interruptions	BS EN/EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods , >95% interruptions 250 periods
OTHERS	MTBF	≥1000Khrs MIL-HDBK-217F(25℃)		
	DIMENSION	52.5*90*54.5mm(W*H*D)		
	PACKING	0.19Kg; 60pcs/ 12.4Kg/ 1.1CUFT		
NOTE	<div>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.</div> <div>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12” twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.</div> <div>3. Tolerance: includes set up tolerance, line regulation and load regulation.</div> <div>4. Line regulation is measured from low line to high line at rated load.</div> <div>5. Load regulation is measured from 0% to 100% rated load</div> <div>6. Length of set up time is measured at cold first start, Turning ON/OFF the power supply very quickly may lead to increase of the set up time.</div> <div>7. The ambient temperature derating of 5℃/1000m is needed for operating altitude great than 2000m(6500ft).</div> <div>8. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives.</div> <div>9. Installation clearances:40mm on top,20mm on the bottom,5mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat source, 15mm clearance is recommended.</div>			

Mechanical specification



NOTE:
Unit: mm
ADJ: Output adjustable resistor
TOL: ± 1.00

ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15
Terminal Pin No. Assignment

TB1		TB2	
Pin No.	Assignment	Pin No.	Assignment
5	AC/L	1,2	DC output -V
6	AC/N	3,4	DC output +V

Block diagram

