

Country of Origin : China

Operating Temperature : 0 ÷ 40 [°C]

Dimension : 75 x 34 x 43 [mm]

Efficiency Level (ErP) : 

Approvals / Marks : 

GREEN MODE

RoHS

**Features:**

PWMIC electrical design.

Wide range Input (90 ~ 264) VAC / (47 ~ 63) Hz + S/T AC input cable 0.5m.

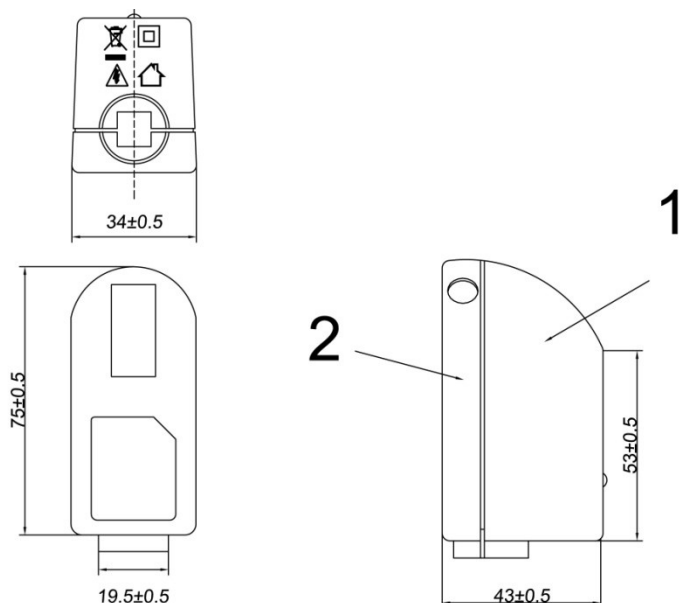
Over load, over voltage & short protection.

Output connector: standard: 2.1x5.5x11 or customer requirement.

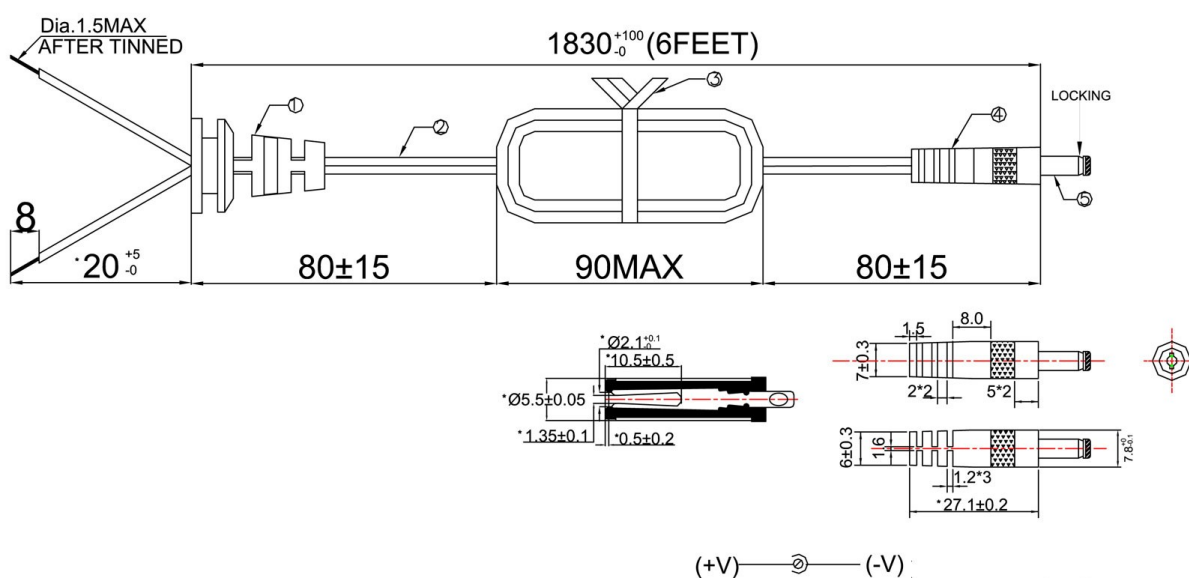
For I.T.E. use only + RoHS conform.

Specification:

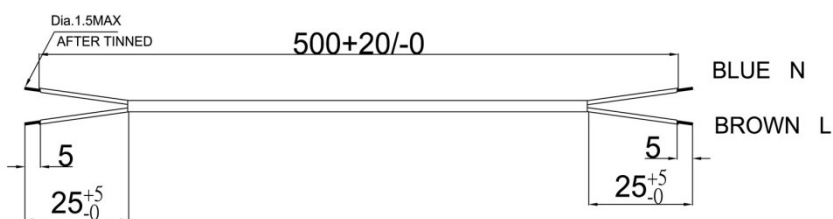
			OUTPUT									
	Model		Voltage DC [V]	Loading [A]	Tol. [%]	OCP [A]	OVP [V]	Efficiency [%]	Max. Power [W]	Ripple & Noise [mV] p-p	Connector UL approved [mm]	
ErP V.	SYS1308-2412-special		12	0.05~2	±5	3.0~8.0	16max	>82	24	120	2.1x5.5x11	
INPUT	Voltage		(90 ~ 264) VAC									
	Frequency		(47 ~ 63) Hz									
	Current		1A rms @ 230VAC At AC low line input and DC output full load									
	Surge Current max.		40A/60Amax. At power supply cold start, ambient temperature 25°C@115VAC / 230VAC nominal AC input.									
	Leakage current		<0.25 mA @ 240Vac input									
	Power Consumption		Max. 0.3W @ AC nominal Input and Output min. load									
	Hold-up Time		10ms @ AC nominal Input and Output full load									
	Input AC cable		Standard length: 0.5m; Material: H03VVH2-F 2*0.75mm ² (UL approval); Double insulation									
PROTECTION	Over load	OCP	Fold back									
	Over Voltage	OVP	Voltage limiting									
	Short Circuit		The power supply will self-protect any output to ground, And auto recovery when abnormal circuit faults remove. An output short circuit is defined as any output impedance of less than 0.1 ohms.									
	Input Protection		1A Fuse The power supply shall be protected against power line surges and any abnormal condition.									
	Protection class		II.									
	No Load Operation		Yes, The power supply is provided with no load operation to prevent the power supply and system from damage.									
OTHERS	Dielectric Strength		HI-POT B I/P-O/P (FG): 3KVAC 10mA @ 1 minute									
	Output transient response (dv , tmax)		0.3v dv max	At AC nominal input loading from 50% load to max load or peak load.								
	Power output limit		16ms t max	Dynamic rise time 10uS max , duty 40mS max , Dynamic load step is slew rate of 0.5A/uS								
			Peak27W									
	Turn on delay		7000ms max. @ AC low line Input & Output full load									
	DC output regulation		U=12V, Loading: min 0A – max 2.7A peak, total regulation: 5%, 15s max. at AC nominal input & output 2.7A									
	MTBF Qualification		> 50K hours									
	DC cable & connector		Standard length of the cable 1.8m (18AWGX2C) & It depends on customer requirements and upon specifications									
	Efficiency (Normal)		>82% min. @ 240VAC input & Full load									
	PLD (power line disturbance)		Line power surge: The power supply shall meet its specification with a rise in AC voltage to 120% of maximum rated line voltage (288 voltage for 100-240 VAC operation)for a maximum of 20ms at 50Hz and 16ms at 60Hz. The surge is to be applied five times with an internal of one minute between surges. Line Voltage SAG: The power supply shall continue to meet its specifications with a line voltage drop (and subsequent return to minimum rated voltage) to 68 VAC with a total power sag cycle time of 20 ms (rise and fall time shell equal 10 ms each).									
	Cooling		By natural air									
ENVIRONMENT	Temperature		Operating: (0 ~ 40)°C Storage: (-20 ~ 85)°C Temperature coefficient: <±5%/°C									
	Humidity		Operating: (8 ~ 90)% RH Storage: (5 ~ 95)% RH non condensing									
SAFETY			CE									
EMC	EMI		EN55022 class B, Fcc part 15 Sub part B class B. EN61000-3-2,3									
	EMS		IEC61000-4-2,5,8(2001) / IEC61000-4-3(2002) / IEC61000-4-6(2002)+A1(2003) / IEC61000-4-4,11(2004) EN55024(1998)+A1(2001)+A2(2003)									
WEIGHT	1pc		N.W.: 168g / pc G.W.: 188g / pc									
PACKING	Box		0.48 x 0.26 x 0.44 [m]									
			56pcs / 1box									
			G.W.: 11.9 kg / box									

Mechanical case specification:**Cable specification:**

A) DC- output: STP-1#18AWG*2C (2.1*5.5*11)



B) AC-input :



- 1.CORD MATERIAL:H03VVH2-F 2*0.75mm².(UL APPROVAL).
- 2.OUT JACKET:PVC.COLOR:BLACK.
- 3.RoHS CABLE
- 4.Double Insulation