LED driver in corrente costante - Constant current LED drivers

SE-12-100-400-G1T

T-PWM™
Dimming technology

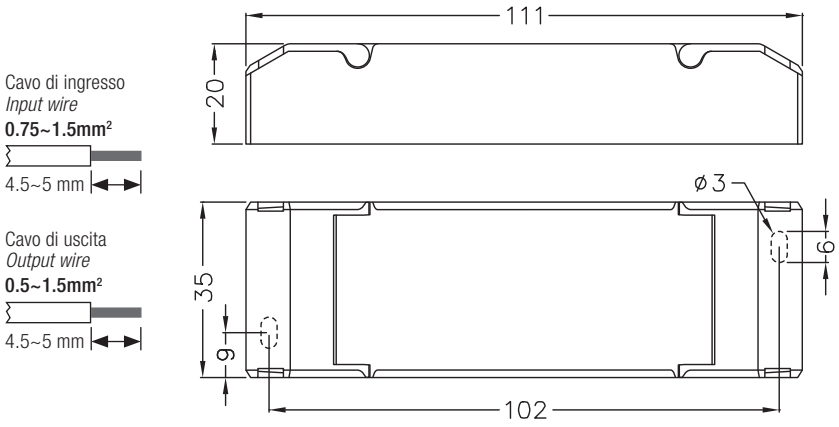
Flicker-free
IEEE 1789

Dimmable:
0.01-100%

Dati tecnici / *Technical data*

Input voltage Vac	Output power range W	Output voltage Vdc	Output current mA	Dimension mm (LxWxH)
220-240 (50/60)Hz	0.9~12	9-42	100-400	111x35x20

Disegno tecnico / *Technical drawing*



Selezione corrente di uscita tramite DIP switch
Output current selection via DIP switch

SE-12-100-400-G1T	DIP Switch	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	ON OFF
	Output Current	100mA	150mA	200mA	250mA	300mA	350mA	400mA	
	Output Voltage	9-42V	9-42V	9-42V	9-42V	9-40V	9-34V	9-30V	
	Output Power	0.9-4.2W	1.35-6.3W	1.8-8.4W	2.25-10.5W	2.7-12W	3.15-11.9W	3.6-12W	

Scegliere il valore di corrente quando il driver è spento
Please choose the current value when the driver is power off

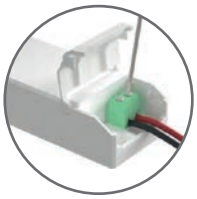
RoHS SELV Class 2

Output	Output Voltage	9-42Vdc		
	Max Output Voltage	≤50V		
	Output Current	100-400mA		
	Load Power Range	0.9W-12W		
	Strobe Level	No visible flicker/High frequency exemption level		
	Dimming Range	0~100%, down to 0.01%		
	LF Current Ripple(<120Hz)	<3%		
	Current Accuracy	±5%		
	Ripple & Noise	≤2V		
	PWM Frequency	3600Hz		
Input	Dimming Interface	Triac leading edge/ELV trailing edge		
	Input Voltage Range	220-240Vac		
	Frequency	50/60Hz		
	Input Current	≤0.09A/230Vac		
	Power Factor	PF>0.9/230Vac (Foll load)		
	THD	THD<10%/230Vac (Foll load)		
	Efficiency	>78%@300mA		
	Inrush Current (typ.)	Cold start10A@230Vac (Test twidth=200 us tested under50% Ipeak)		
	Anti Surge	L-N: 1kV		
	Leakage Current	<0.5mA/230Vac		
Environment	Working Temperature	ta: -20 ~ 45°C tc: 90°C		
	Working Humidity	20 ~ 95%RH, non-condensing		
	Storage Temperature, Humidity	-40 ~ 80°C, 10 ~ 95%RH		
	Temperature Coefficient	±0.03%/°C (-20°C ~ 45°C)		
	Vibration	10-500HZ, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively.		
Protection	Overload Protection	Shut down the output and recover automatically once it exceeds 1.02-1.35 times of the rated power.		
	Overheat Protection	Intelligently adjust or turn off the current output if the PCB temperature ≥110°C. When the PCB temperature <90°C, automatically recover normal output.		
	Short Circuit Protection	When short circuit occurs, shut down the output and recover automatically.		
Safety & EMC	Withstand Voltage	I/P-O/P:3750Vac		
	Insulation Resistance	I/P-O/P:500VdC/25°C/70%RH≥100MΩ		
	Safety Standards	CCC	China	GB19510.1, GB19510.14
		TUV	Germany	EN61347-1, EN61347-2-13, EN62493
		CE	European Union	EN61347-1, EN61347-2-13, EN62384
		KC	Korea	KC61347-1, KC61347-2-13
		RCM	Australia	AS61347-1, AS61347-2-13
		ENEC	Europe	EN61347-1, EN61347-2-13, EN62384
		CB	CB member states	IEC61347-1, IEC61347-2-13
		EAC	Russia	IEC61347-1, IEC61347-2-13
	EMC Emission	CCC	China	GB/T17743, GB17625.1
		CE	European Union	EN55015, EN61000-3-2, EN61000-3-3, EN61547
		KC	Korea	KN15, KN61547
		RCM	Australia	EN55015, EN61000-3-2, EN61000-3-3, EN61547
		EAC	Russia	IEC62493, IEC61547, EH55015
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11, EN61547		
	Strobe Test Standard	IEEE 1789		
Others	Dimensions	111×35×20mm(L×W×H)		
	Packing	122×36×22mm(L×W×H)		
	Weight(G.W.)	77.5g±10g		

Schema di applicazione custodia protettiva
Protective Housing Application Diagram

Utilizzare uno strumento per sollevare la custodia protettiva sul pannello laterale
Use a tool to pry up the protective housing on the side panel

Sollevare la custodia di protezione nella posizione della piastra laterale con un utensile
Pry up the protective housing in the side plate position with a tool



Collegare i cavi elettrici con un cacciavite come mostra lo schema elettrico
Connect to electrical wires with a screwdriver as wiring diagram shows

Premere la piastra di tensione per fissare i fili elettrici
Press down the tension plate to fix the the electrical wires

Chiudere la custodia protettiva
Close the protective housing