



Constant Voltage Driver

Model: FV12W24CG



Model	Input Current	Input Power	PF	Output Power Range	Output Voltage	Output Current	Efficiency
FV12W24CG	≤0.1A	≤15.5W	≥0.92	0-12W	24V	0-500mA	≥80%

* Test result @220V, 50Hz, Full Load.




1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Voltage
	Dimming Type	N/A
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	176-264VAC
	Frequency	50/60Hz
	Input Current	≤0.1A (220VAC, full load)
	Input Power	≤15.5W (220VAC, full load)
	Power Factor	≥0.92 (220VAC, full load)
	THD	≤15% (220VAC, full load)
	No-load Power Consumption	≤0.5W @240VAC
	Inrush Current	≤21A/280us (240VAC, full load)
	Connected quantity of 16A Breaker	80pcs/type B ;120pcs/type C @ 230Vac
Output	Output Voltage	24VDC+/-3%
	No Load Voltage	24.8VDC Max.
	Output Current	0 -500mA
	Output Power	0-12W
	Efficiency	≥80% (220VAC, full load)
	Voltage Ripple	1.5% (220VAC, full load (Vmax-Vmin) / (Vmax+Vmin)
	Current Accuracy	N/A
	Start up Time	≤0.5S (220VAC, full load)
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery

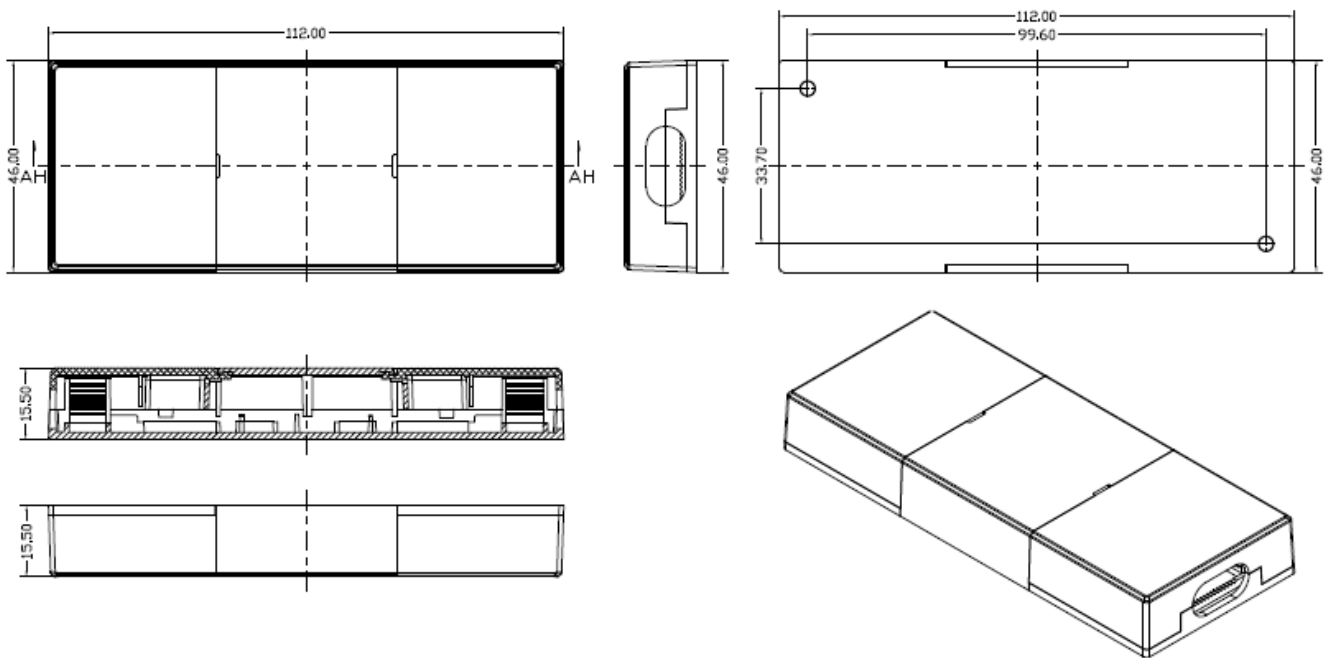
	Insulation voltage	3750V 5mA 60S between P-S
	Insulation resistance	>4M ohm @ 500VDC
	Leakage current	< 250 μ A, I/P to PE @230V input
Environment	Ta/Operation Temperature	-25....+45°C
	Ts/Storage Temperature	-40....+85°C
	Tc/Enclosure Temperature	90°C
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Independent
	PRI Wire preparation	0.75-1.5 [□]
	SEC Wire preparation	0.5-0.75 [□]
	Dimension	112*46*15.5mm (L*W*H)
Standards	Certification	complied to ENEC CE SAA
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017, EN62493:2015, AS/NZS IEC61347.2.13:2013, AS/NZS 61347.1:2016
	EMC Standards	EN55015:2013/A1:2015,EN61000-3-2:2014, EN61000-3-3:2013,EN61547:2009
	Performance	EN62384
	Surge	L-N/2KV
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h @45°C (Ta)/ 90°C (Tc)
	Warranty	5years , F.R. < 10000ppm

Remark: 1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.
2.LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

2. Label

 KGP KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid	<p>LED Driver FV12W24CG For LED modules only SELV Input Voltage:220-240Vac •tc <input type="checkbox"/> N Input Frequency:50/60Hz Power Factor(λ):≥0.92C <input type="checkbox"/> L In:≤0.1A U_{rated} =24Vdc I_{range}=0-500mA Prange=0-12W Tc:90°C Ta:-25to+45°C</p> <p style="text-align: right;">wire preparation  8mm PRI 0.75-1.5[□] SEC 0.5-0.75[□]</p>	
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3. Dimension (Unit: mm)



4. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
450*240*200	115	0.064	0.75	8.11

5. Wiring Diagram

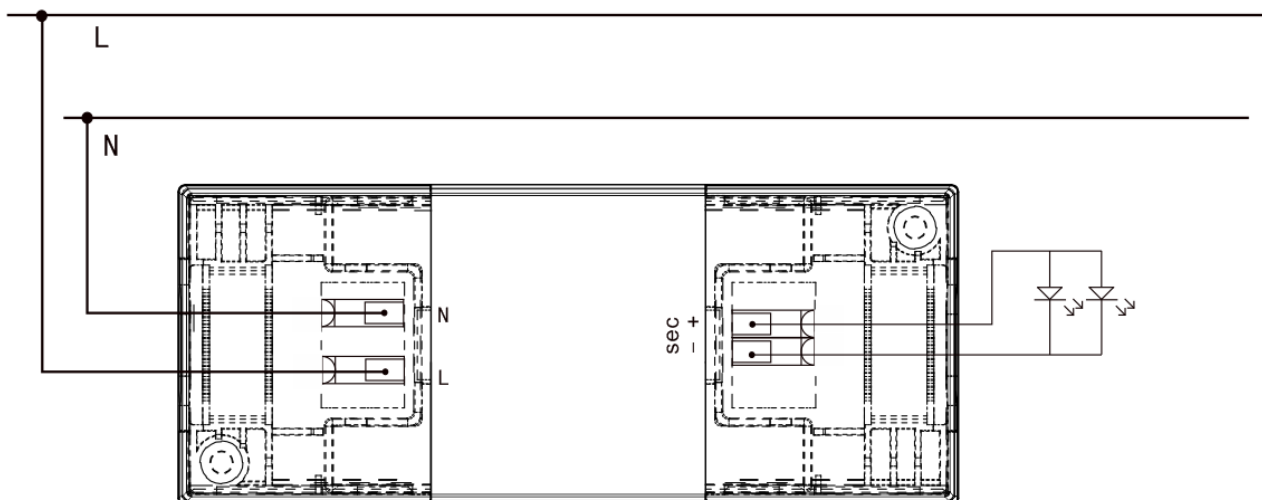


Fig. A: FV12W24CG