



Constant Voltage Driver

Model: FV24W24CG



Model	Input Current	Input Power	PF	Output Power Range	Output Voltage	Output Current	Efficiency
FV24W24CG	$\leq 0.15A$	$\leq 29w$	≥ 0.95	0-24W	24V	0-1000mA	$\geq 83\%$

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

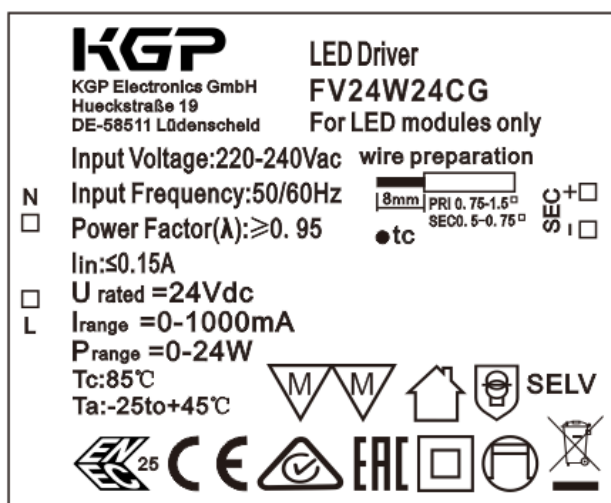
1. Parameters

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	$\leq 0.15A$ (220VAC, full load)
	Input Power	$\leq 29W$ (220VAC, full load)
	Power Factor	≥ 0.95 (220VAC, full load)
	THD	$\leq 15\%$ (220VAC, full load)
	No-load Power Consumption	$\leq 0.5W$ @240VAC
	Inrush Current	$\leq 30A/280\mu s$ (240VAC, full load)
	Connected quantity of 16A Breaker	50pcs/type B ;75pcs/type C @ 230Vac
Output	Output Voltage	24VDC $\pm 3\%$
	No Load Voltage	24.8VDC Max.
	Output Current	0 -1000mA
	Output Power	0-24W
	Efficiency	$\geq 83\%$ (220VAC, full load)
	Voltage Ripple	1.5% (220VAC, full load ($V_{max}-V_{min}$) / ($V_{max}+V_{min}$))
	Current Accuracy	N/A
	Start up Time	$\leq 0.5S$ (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	85°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	137*50*15.5mm (L*W*H)
Standards	Certification	complied to CE ENEC 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)/ 85°C (Tc)
	Warranty	5years , F.R. < 10000ppm

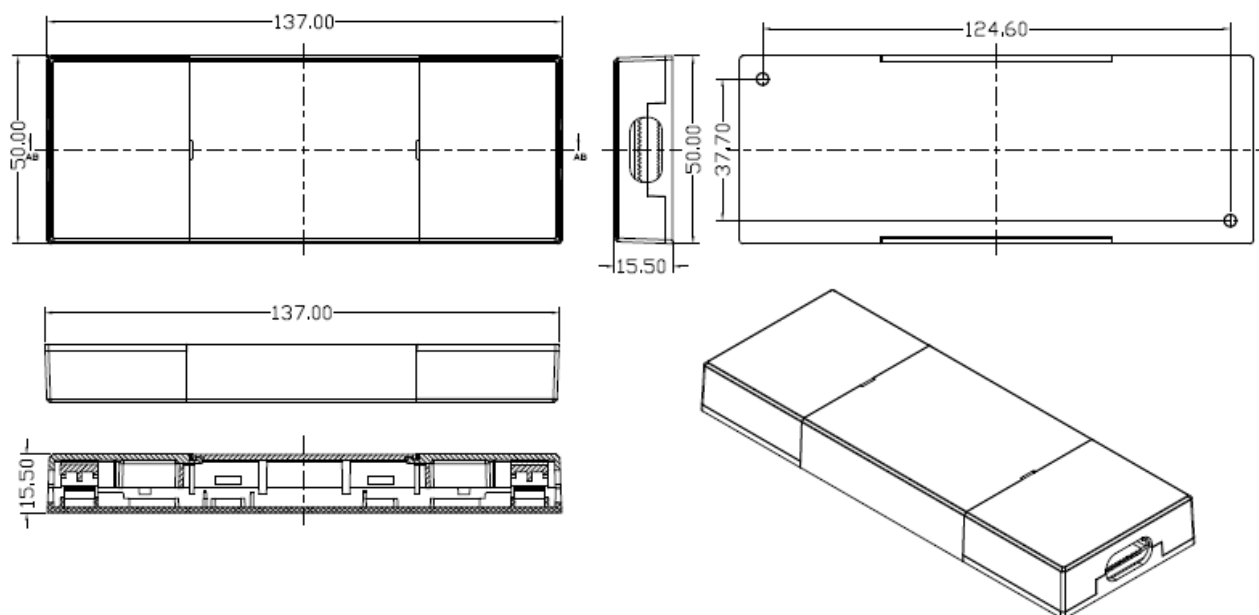
Remark: 1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.
2.LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

2. Label



3. Dimension (Unit: mm)

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DE-58511 Lüdenscheld



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	95	0.106	0.75	10.82

5. Wiring Diagram

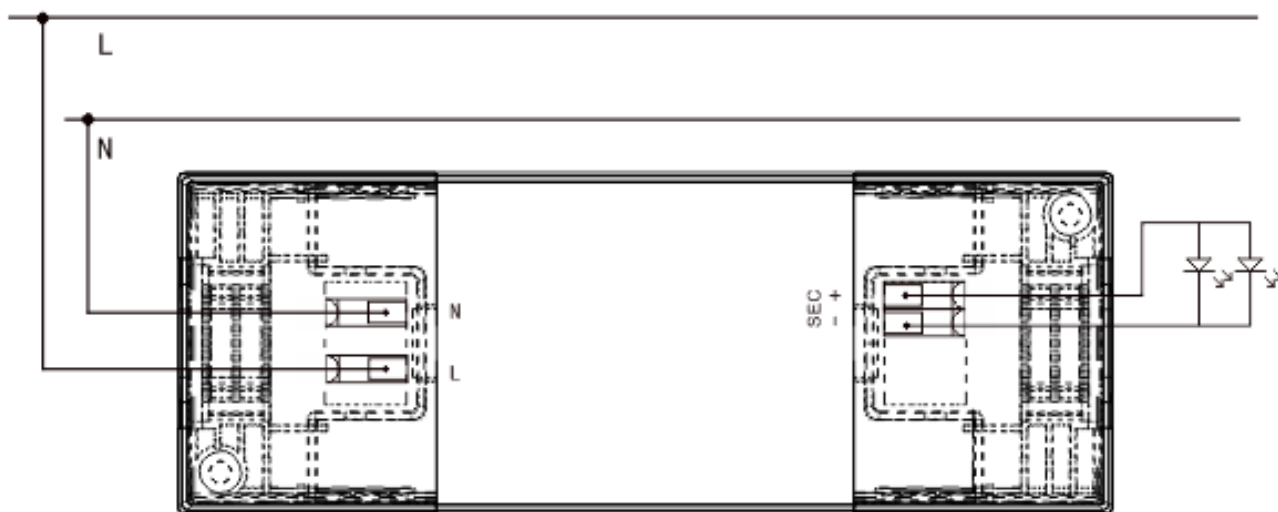


Fig. A: FV24W24CG