



Constant Voltage Driver

Model: FV120W24CG



Model	Input Current	Input Power	PF	Output Power Range	Output Voltage	Output Current	Efficiency
FV120W24CG	≤0.75A	≤133W	≥0.95	0-120W	24V	0-5000mA	≥91%

* Test result @230V, 50Hz, Full Load.

1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Voltage
	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	≤0.75A (220VAC, full load)
	Input Power	≤133W (220VAC, full load)
	Power Factor	≥0.95 (220VAC, full load)
	THD	≤10% (220VAC, full load)
	No-load Power Consumption	≤0.5W @240VAC
	Inrush Current	≤60A/300us typical (240VAC, full load)
	Connected quantity of 16A Breaker	8pcs/type B ; 12pcs/type C @ 230Vac
Output	Output Voltage	24VDC+/-3%
	No Load Voltage	25VDC Max.
	Output Current	0 -5000mA
	Max. Output Power	120W
	Efficiency	≥91% (220VAC, full load,at output terminals)
	Voltage Ripple	2% (220VAC, full load (Vmax-Vmin) / (Vmax+Vmin)
	Current Accuracy	N/A
	Started Delay 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	0.5-1.5 [□]
	Dimension	190*65*22mm (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)/ 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

LED Driver ●tc
FV120W24CG
 For LED modules only

N Input Voltage:220-240Vac
 Input Frequency:50/60Hz
 Power Factor(λ): \geq 0.95
L I_{in} : \leq 0.75A
 U_{rated} =24Vdc
 I_{range} =0-5000mA
 P_{range} =0-120W
 T_c :90°C
 T_a :-25to+45°C

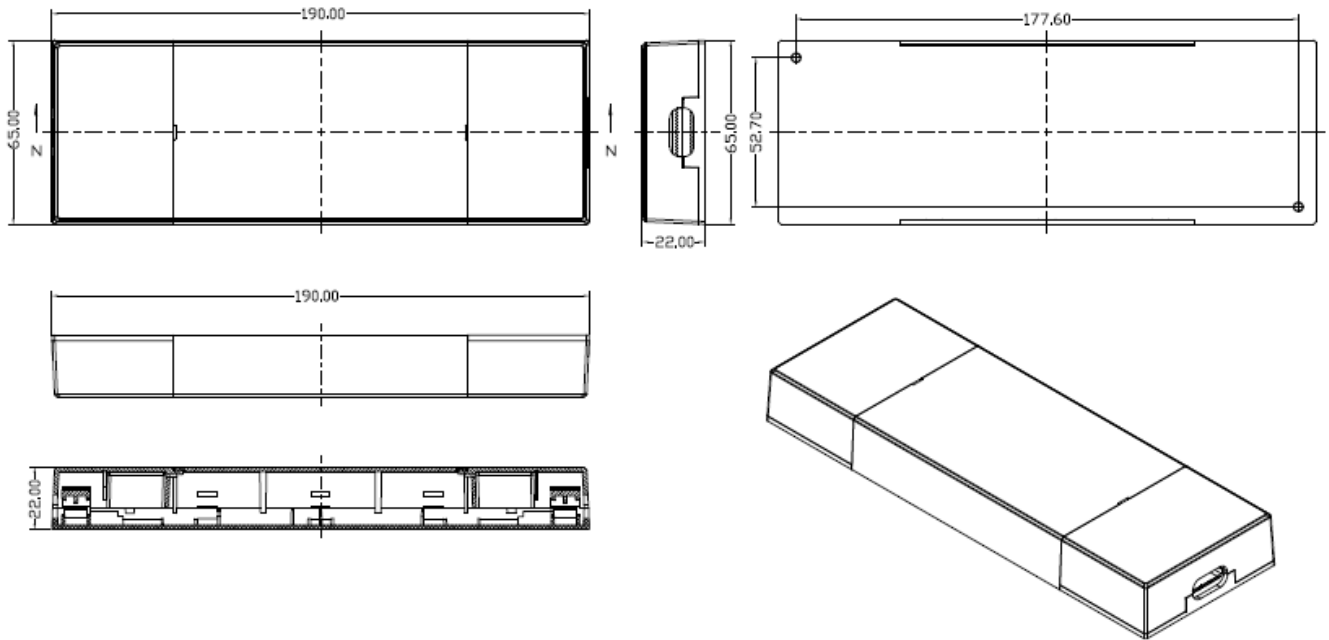
wire preparation

8mm	PRI 0.75-1.5 [□]
	SEC 0.5-1.5 [□]

CE+
 CE

SELV

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	40	0.27	0.75	11.55

5. Wiring Diagram

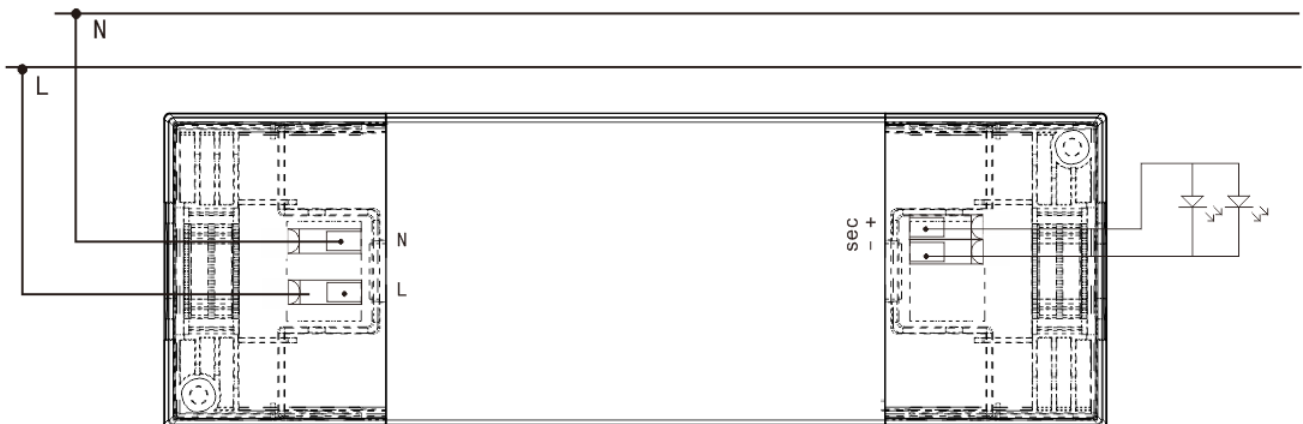


Fig. A:FV120W24CG