



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency (typ.)*	Output Voltage	No load Voltage
CC23W150-500	150mA	0.06A	8.1W	0.37-6.90W	0.83	85%	2.5-46V	60V Max.
	200mA	0.07A	10.8W	0.50-9.20W	0.86	85%		
	250mA	0.08A	13.3W	0.62-11.50W	0.89	86%		
	300mA	0.09A	16.0W	0.75-13.80W	0.90	86%		
	350mA	0.10A	18.5W	0.87-16.10W	0.93	87%		
	400mA	0.12A	21.1W	1.00-18.40W	0.93	87%		
	450mA	0.14A	23.5W	1.12-20.70W	0.94	88%		
	500mA	0.16A	26.1W	4.25-23.00W	0.95	88%		

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

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II
	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	180-280VDC
	Frequency	0/50/60Hz, Range:0/47-63Hz



Input	Input Current	≤0.16A (230VAC, full load)
	Input Power	≤26.1W (230VAC, full load)
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤10% (230VAC, full load)
	Standby Power Consumption	≤0.5W (230VAC, full load)
	Inrush Current	≤8.5A/16us (230VAC, full load)
	Connected quantity of 10A Breaker Connected quantity of 16A Breaker Connected quantity of 20A Breaker	23pcs/type A ; 37pcs/type B ; 59pcs/type C 37pcs/type A; 59pcs/type B ; 94pcs/type C 46pcs/type A; 74pcs/type B ; 118pcs/type C
Output	Output Voltage Range	2.5 -46VDC@150-500mA
	No Load Voltage	60VDC Max.
	Output Current	150-500mA (Factory set current of 150mA)
	Max. Output Power	23W
	Efficiency	≥88% 230VAC, full load@max current
	Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)
	Current Accuracy	±5%
	PSTLM	≤1
	SVM	≤0.4
	Starting Time (AC mode)	≤0.5S (230VAC, full load)
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery (not be hot swap)
	No-load Protection	Auto Recovery
	Insulation voltage	3000V 5mA 60S between P-S
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	< 700μA, I/P to O/P @230V input
Environment	Ta/Operation Temperature	-20...+50°C
	Ts/Storage Temperature	-20...+85°C
	Tc/Enclosure Temperature	85°C
	Humidity	10%...90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Built-in
	PRI Wire preparation	0.5-1.5 [□] / 8-9mm
	SEC Wire preparation	0.5-1.5 [□] / 8-9mm
	Dimension	103.4*30*21mm (L*W*H)

Standards	Certification	CE/ENEC/SAA/UKCA/EAC
	Safety Standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017; EN62384:2006/A1:2009; AS 61347.2.13:2018; AS/NZS61347.1:2016; BS EN61347-1:2015/A1:2021; BS EN61347-2-13:2014/A1:2017; IEC 61347-1:2015+A1:2017; IEC 61347-2-13:2014+A1:2016;
	EMC Standards	AS/NZS CISPR 15:2011; AS CISPR 15:2017; BS EN IEC 55015:2019+A11:2020; EN 61547:2009; BS EN IEC 61000-3-2:2019; BS EN 61000-3-3:2013+A1:2019;
	Performance	EN 62384
	Surge	L/N-Ground:2kV; L-N:1kV
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h Tc=85°C
		75000h Tc=80°C
		100000h Tc=75°C
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 LED Driver
CC23W150-500
 Constant Current LED Power Supply
 V-OUT: 60V LED Only

KGP Electronics GmbH
 Hueckstraße 19
 DE-58511 Lüdenscheid

PIN1	PIN2	PIN3	I _{rated} (mA)	P _{rated} (W)	U _{rated} (V)	U _N /f _N	I _N (A)	t _a [°C]	t _c [°C]	λ
OFF	OFF	OFF	150	6.9	2.5-46	220-240VAC 180-280VDC 0/50/60Hz	0.06	50	85	0.83C
OFF	OFF	ON	200	9.2			0.07			0.86C
OFF	ON	OFF	250	11.5			0.08			0.89C
OFF	ON	ON	300	13.8			0.09			0.90C
ON	OFF	OFF	350	16.1			0.10			0.93C
ON	OFF	ON	400	18.4			0.12			0.93C
ON	ON	OFF	450	20.7			0.14			0.94C
ON	ON	ON	500	23.0			0.16			0.95

SELV 110



EL 18

EAC

CE

wire preparation (8-9mm)

PRI: 0.5-1.5°
SEC: 0.5-1.5°

N
 L
 PRI
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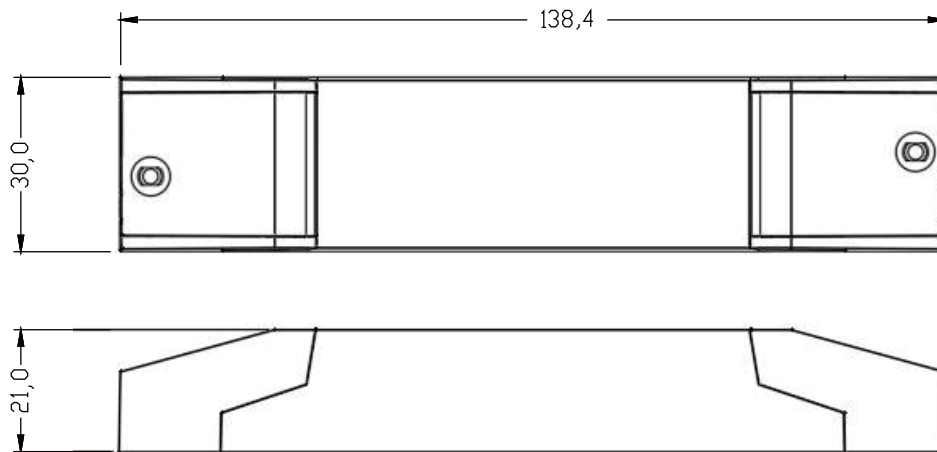
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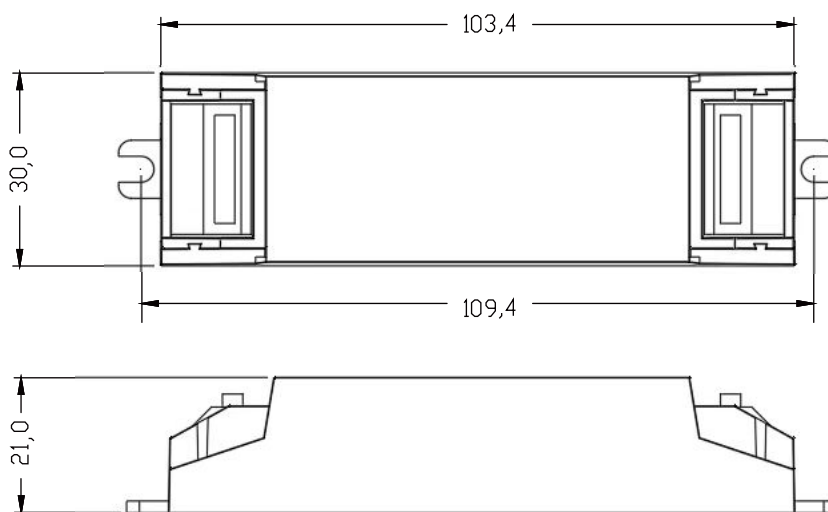
3. Output Current Setting

Output Current	1	2	3
150mA	-	-	-
200mA	-	-	ON
250mA	-	ON	-
300mA	-	ON	ON
350mA	ON	-	-
400mA	ON	-	ON
450mA	ON	ON	-
500mA	ON	ON	ON

4. Dimension

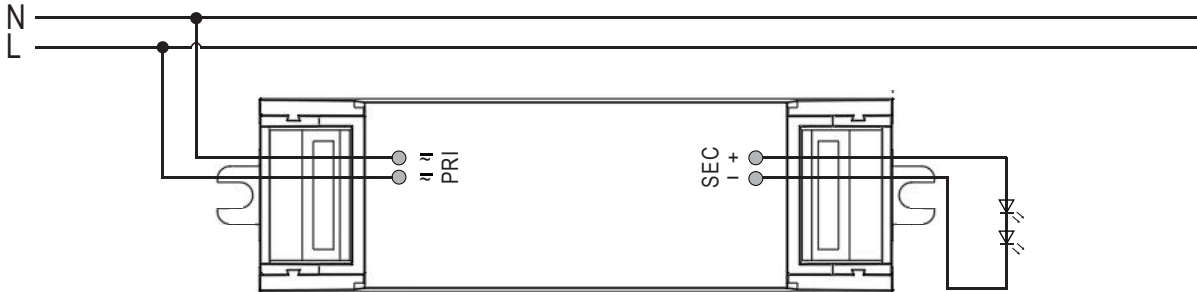


Built in type:

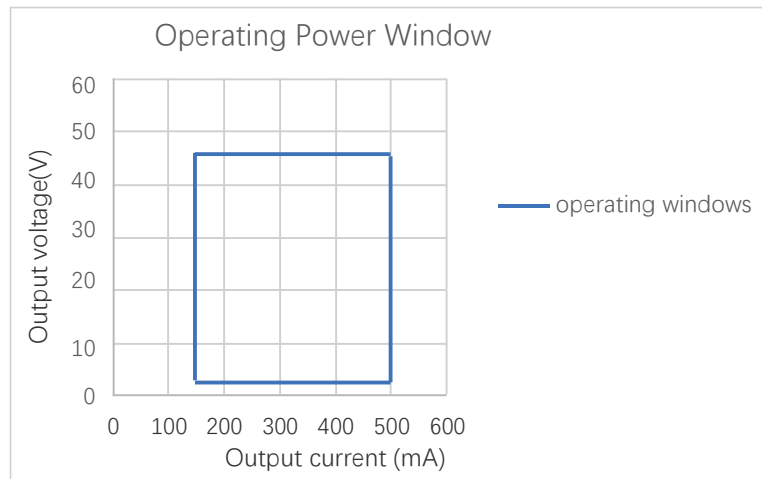


5. Wiring Diagram

220-240 V
0/50/60 Hz



6. Output Power Window



7. Packing information

SC

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
T.B.D	T.B.D	T.B.D	T.B.D	T.B.D

Side cover

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
T.B.D	T.B.D	T.B.D	T.B.D	T.B.D

8. REVISION HISTORY

Date	Revision	Remark