

### Constant Current Driver

Model: SC60W1100-1400CG-4



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
SC60W1100-1400CG-4	1100mA	0.26A	51.16W	27.50-44.00W	0.95	86%	25-40V	59V
	1200mA	0.28A	55.2W	30.00-48.00W	0.95	87%	25-40V	59V
	1300mA	0.30A	59.77W	32.50-52.00W	0.96	87%	25-40V	59V
	1400mA	0.32A	64.37W	35.00-56.00W	0.97	87%	25-40V	59V

\* 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
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	176-264VAC or 176-280VDC
	Frequency	50/60Hz
	Input Current	≤0.38A (230VAC, full load)
	Input Power	≤64.5W (230VAC, full load)
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤20% (230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	≤18A/2.8us (230VAC, full load)
	Connected quantity of 10A Breaker Connected quantity of 16A Breaker Connected quantity of 20A Breaker	11pcs/type A ;17pcs/type B ;28pcs/type C@ 230Vac 18pcs/type A;27pcs/type B ;44pcs/type C@ 230Vac 22pcs/type A;33pcs/type B ;55pcs/type C@ 230Vac
Output	Output Voltage Range	25-40VDC
	No Load Voltage	59VDC Max.
	Output Current	1100-1400mA (Max. output)
	Max. Output Power	56W
	Efficiency	≥87% (230VAC, full load)
	Current Ripple(< 120 Hz)	±5% (Imax-Imin)/(Imax+Imin)
	PstLM	≤1
	SVM	≤0.4
	Current Accuracy	±5%
	Started Delay Time	≤0.5S (230VAC, full load)

Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Insulation voltage	3000V 5mA 60S between P-S
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	< 250µA, I/P to O/P or I/P to PE @230V input
Environment	Ta/Operation Temperature	-20....+35°C
	Ts/Storage Temperature	-40....+85°C
	Tc/Enclosure Temperature	85°C
	Humidity	10%....90%RH
	Atmospheric pressure	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Independent
	PRI Wire preparation	0.75-1.5 <sup>□</sup>
	SEC Wire preparation	0.5-1.5 <sup>□</sup>
	Dimension	250 x 31 x 45mm (L*W*H)
Standards	Certification	complied to CE
	Safety Standards	EN 61347-1:2015/A1:2021, EN 61347-2-13:2014/A1:2017,EN 62493:2015
	EMC Standards	EN IEC 55015:2019,EN IEC 55015:2019/A11:2020, EN 61547:2009,EN IEC 61000-3-2:2019, EN 61547:2009,EN IEC 61000-3-3:2013/A1:2019
	Performance	EN 62384:2006/A1:2009
	Surge	L-N/2KV
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h @Ta/ Tc
	Warranty	5years , F.R. < 10000ppm

**Remark:**

- All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.
- 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. Output Current Setting

Output Current	1	2
1100mA	OFF	OFF
1200mA	ON	OFF
1300mA	OFF	ON
1400mA	ON	ON

### 3. Label

**KGP**  
KGP Electronics GmbH  
Hueckstraße 19  
DE-58511 Lüdenscheid  
Constant Current Lighting track adaptors  
For LED modules only

LED Driver  
**SC60W1100-1400CG-4**  
No load:59VDC Max.  
Fmax.50N+

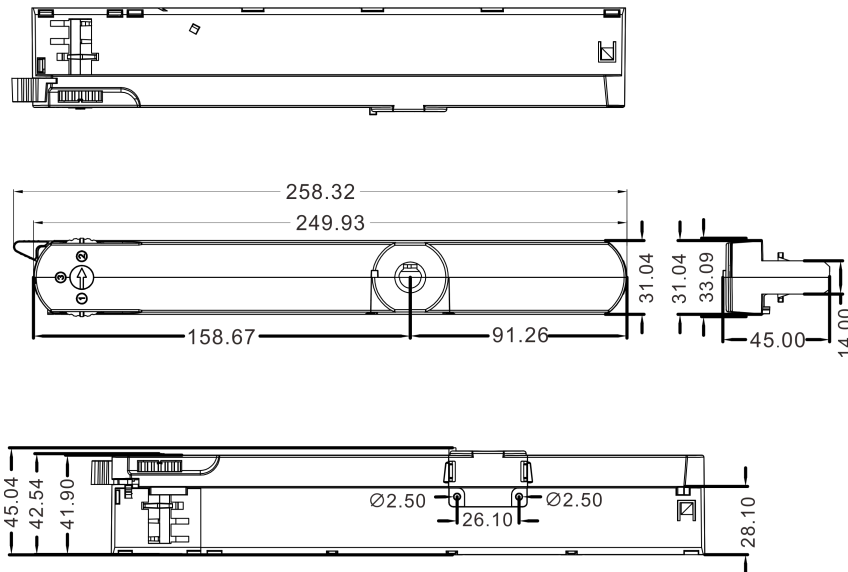
●  $t_c=85^{\circ}\text{C}$   
- ■ SEC  
+ ■ SEC

0.5-1.5  
8-9mm  
ON OFF  
5

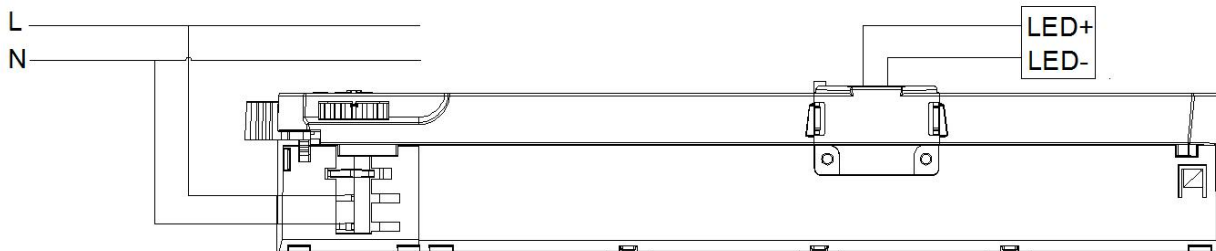
PIN1	PIN2	Irated	Prated	Urated	U <sub>N</sub> /f <sub>N</sub>	I <sub>N</sub> /I <sub>N</sub>	ta (°C)	λ
OFF	OFF	1100	44	25-40	220-240V 50/60Hz	0.26	-20...+35	0.95
ON	OFF	1200	48			0.28		
OFF	ON	1300	52			0.30		
ON	ON	1400	56			0.32		

CE ENEC SELV

### 4. Dimension



### 5. Wiring Diagram



### 6. Packing information

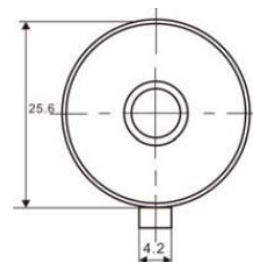
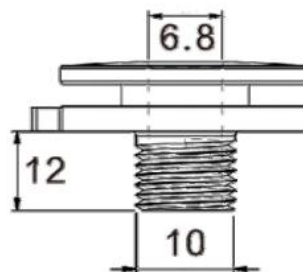
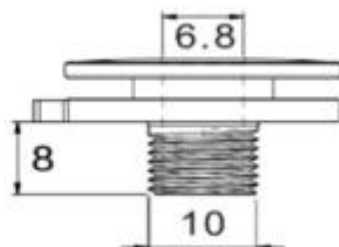
Packing way	Model	Article number	Colour	Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight/ Carton(kg)
industrial	SC60W1100-1 400CG-4W	121601W	White	515*274*370	90	156	14.04	15.2
	SC60W1100-1 400CG-4B	121601B	Black					
	SC60W1100-1 400CG-4G	121601G	Grey					

### 7. Lamp Screw Type

- Optional threaded sleeve for luminaire mounting
- Suitable for M10x1x8 threaded nut
- Additional mounting equipment, e.g. M10x1x12
- aluminium, black, white
- further on request

### Ordering data

Type	Colour	Article number	Qty/ctn	Weight/pcs
M10x1x8	White	AC094306	500	0.016
	Black	AC094307	500	0.016
	Aluminium	AC094310	500	0.016
M10x1x12	White	AC094308	500	0.017
	Black	AC094309	500	0.017
	Aluminium	AC094305	500	0.017



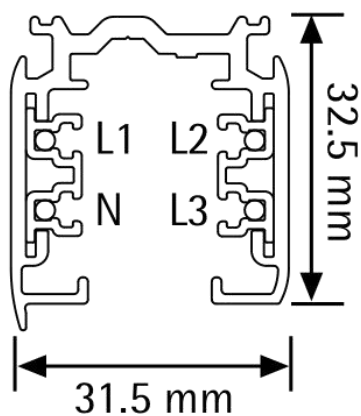
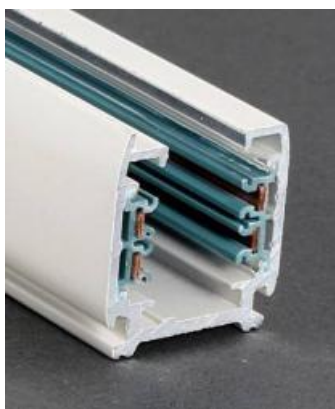
### 8. Suitable for following tracks

Serial number	Brand	Track model	System
1	Global	XTS 4 & XTSE 4	3P
2	Stucchi	9000XX Series	3P
3	Eutrac	2510x	3P
4	Unipro	T32B	3P
5	Ivela	7501	3P

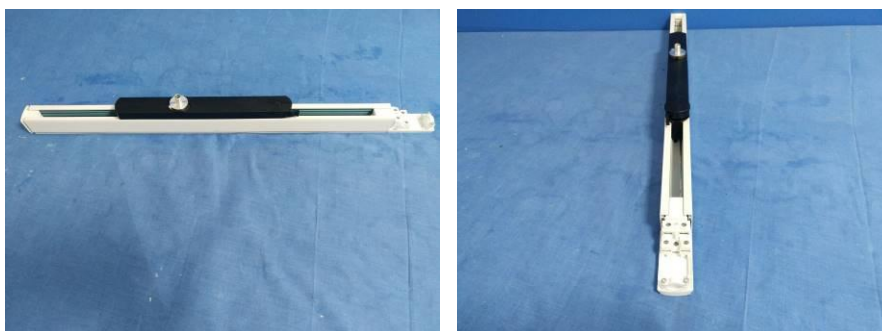
### Remark:

1. The model name is XTS 4 and XTSE 4 tracks, and its brand is Global.
2. The model name used is the 9000XX track, and its brand is Stucchi. The "XX" in the model name represents: it represents a different color.
3. The model name is 2510x tracks, and its brand is Eutrac. The "x" in the model name represents: it represents a different color (x=1 white; x=2 black; x=3 silver, x=8 grey).
4. The model name is T32B tracks, and its brand is Unipro.
5. The model name is 7501 tracks, and its brand is Ivela.

## 9. Phase track light rail specification:



## 10. Lighting track adapter and rail system installation diagram:



**The adaptor shall be given that the use is limited to the track system specified.**

## 11. Wiring instructions

- All connections must be kept as short as possible to ensure good EMI behaviour
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)
- Advice the maximum length of output wires is 3 m
- Secondary switching is not permitted ( Except for constant voltage )
- Incorrect wiring can damage LED modules.
- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)