

**GLEC-SDS-21-500 E S**

## 21W Constant Current Standard Dip Switch Series

Constant current LED driver with 150 to 500mA output current and a forward voltage range from 10 to 42Vdc. The output current is selectable by DIP Switch. With it's compact dimensions from 97 x 43 x30 mm it is easy to integrate in LED Panel and down light products. The side covers are available as accessories and allow to use the LED driver .

### Application

- ◆ LED strip
- ◆ LED panel
- ◆ LED down light
- ◆ LED spot light



### Features

- ◆ Flicker free & Dip-Switch
- ◆ Class II, SELV, built-in/independent
- ◆ Protections: SCP/OLP/OVP
- ◆ Power Factor >0.95
- ◆ Efficiency ≥85%.
- ◆ 5 Year Warranty.

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## Technical data

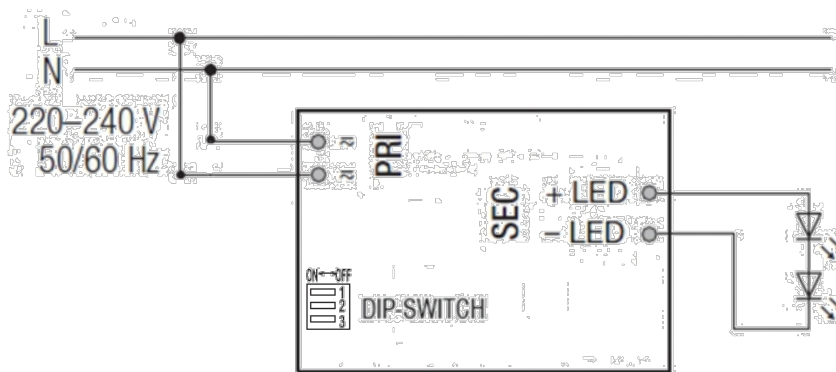
Input	Rated input voltage	220-240VAC
	Range of input voltage	176-264VAC
	DC voltage range	176-280V
	Frequency(Hz)	0/50/60 Hz
	Power Factor	> 0.95@220-240Vac, full load
	Input Current max	0.16A MAX. @Full Load,176VAC
	Start-up time	< 0.5S
	Unload Power Consumption	≤0.5W
	Inrush Current	10A Max.
Output	Constant Current Max. *Note.3	150/200/.../500mA
	No load voltage Max.	52VDC
	Output Voltage Range	10-42VDC
	Rated power	21W Max.
	Load Regulation	±5%@220-240VAV
	Hold-up Time	1s max.@Full Load
	Efficiency(Typ.)	≥85%
Protection	Over Load Protection	103-120% Protection type: Auto Resume
	Over Voltage Protection	> 52VDC Protection type: Auto Resume
	Short circuit Protection	Protection type: Auto Resume
Environment	Operating Temperature	-20°C...+45°C
	tc	80°C
	Storage Temperature	-25°C...+60°C
	Life time	>44,000H@ta=45°C
	Humidity	20%-90%RH
Safety & EMC	Safety standards	EN 61347-1; EN61347-2-13; EN62384
	Withstand voltage	Input-Output : 3750V/5mA/1min
	EMI	EN55015; EN61000-3-2 Class C; EN61000-3-3
	EMS	EN 61547; EN 61000-4-2; EN 61000-4-5 — 1000V;
Dimension	With side caps	131X43X30(LXWXH)mm
	Without side caps	97X43X30(LXWXH)mm
Note	Ripple and noise are measured at 20MHZ of bandwidth by using a 300mm twisted pair-wire terminated All parameters NOT specially mentioned are measured at 240VAC input, full load and 25C of ambient	

## GLEC-SDS-21-500 E S

### Adjustable Output Current with dip-switch

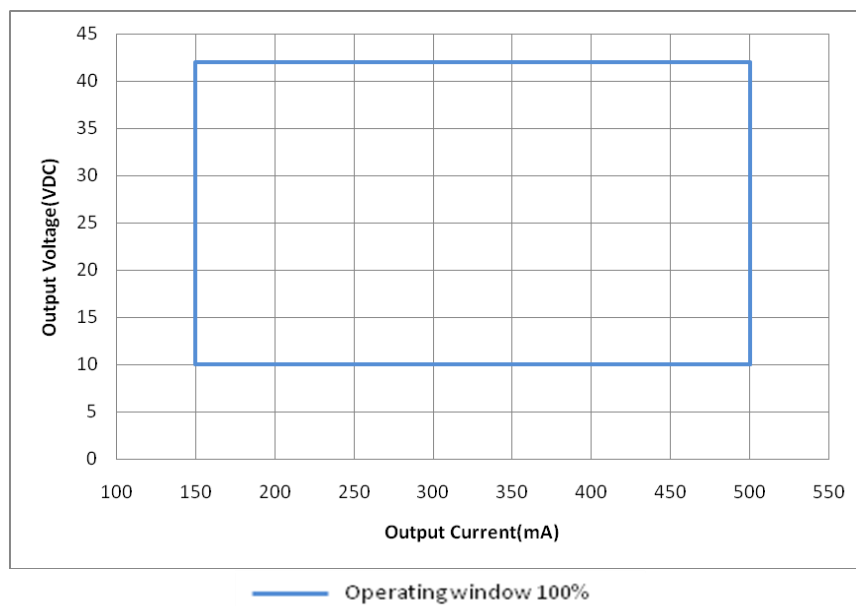
Vo	Po	Io	1	2	3	4
10-42VDC	6.3W	150mA	--	--	--	--
10-42VDC	8.4W	200mA	ON	--	--	--
10-42VDC	10.5W	250mA	--	ON	--	--
10-42VDC	12.6W	300mA	--	--	ON	--
10-42VDC	14.7W	350mA	ON	--	ON	--
10-42VDC	16.8W	400mA	--	ON	ON	--
10-42VDC	18.9W	450mA	ON	ON	ON	--
10-42VDC	21W	500mA	ON	ON	ON	ON

### Wiring diagram



**GLEC-SDS-21-500 E S**

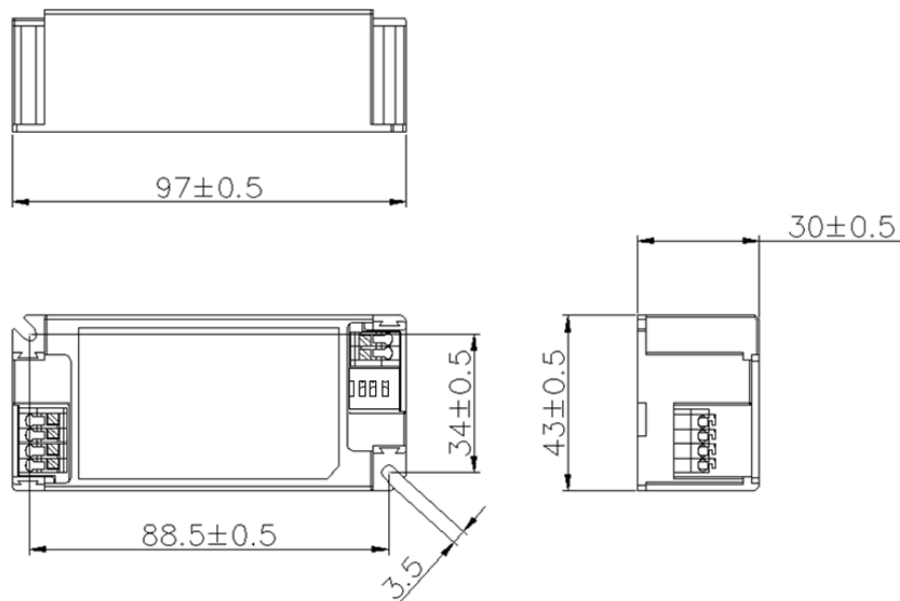
## Operating Window



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**Dimension**

**Without side caps**



**With side caps**

