

## DIN Rail Mount

## Non-isolated DC-DC Converter

## Compact Size, Full-load Efficiency > 90%

## Long Life Circuit Design

## Customize Solution Available

CLL-DIN can quickly snap onto a DIN rail with built-in DIN rail clips that require no additional brackets.

Plastic case (78×96×53 mm)

Customize solution available with CLL-DIN Series:

input and output voltage between 5VDC ~ 56VDC

Output power < 200W



### Input Characteristic

Default Input Voltage Range\* :

Step-up Converter:

12V = 10~15VDC

24V = 20~30VDC

Step-down Converter:

12V = 10~30VDC

24V = 18~36VDC

36V = 30~44VDC

48V = 40~56VDC

Input Reverse Protection: NOT implemented by default

### Output Characteristic

Full-load Efficiency: 90~94%\*\*\*

Ripple p-p: 1% of output voltage (MAX)

Load Regulation: 1.5%

Max Non-load Consumption: 0.5% of full-load power

Over-load Protection: +10% of rated output current

Short-circuit Protection: yes

### Other info

Allowed Case Temperature: -10°C ~ 75°C

Storage Temperature: -20°C ~ 80°C

Storage Humidity: 20~90%

Weight:

Small Case: 170~190g

Big Case: 240~280g

\* Input range can be customized, the range listed is for standard types. Input range is not always the same for different models

\*\* Can implement in customize products

\*\*\* Not every model can achieve 94% efficiency.

## Ordering Information:

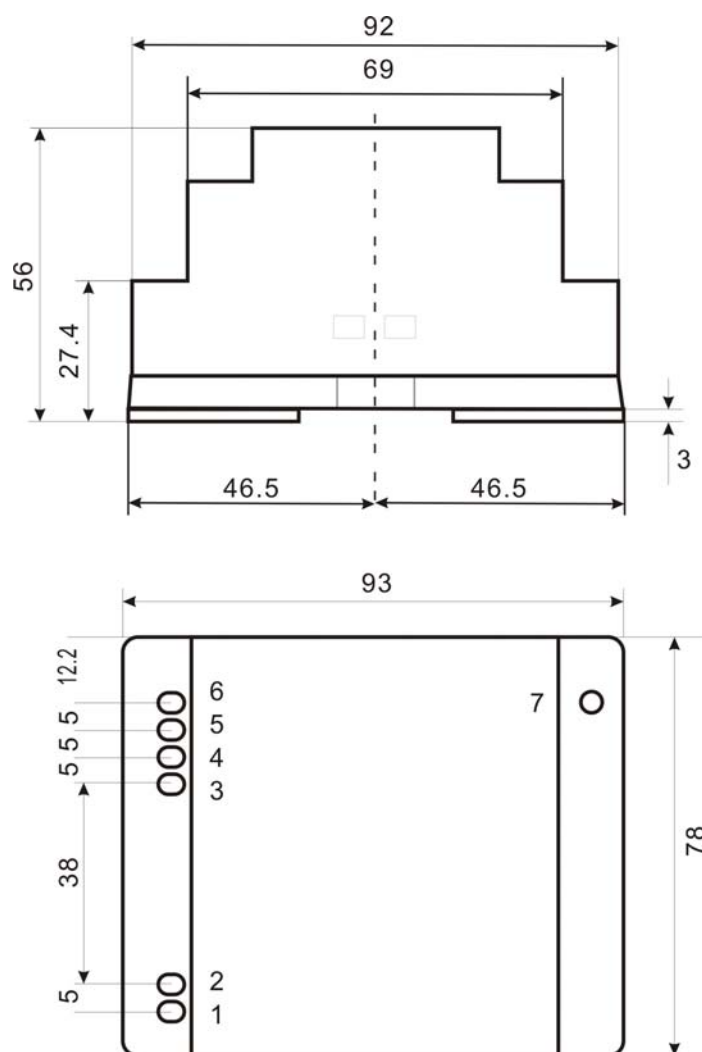
CLL  -  **S**  - DIN

**Rated Output Power**      **Rated Input Voltage**      **Rated Output Voltage**

## Example:

Input: 24V (10~15VDC)	Output: 12V	Output Power: 10A (120W)	CLL120-24S12-DIN
Output: 12V (10~30VDC)	Output: 5V	Output Power: 10A (50W)	CLL50-12S05-DIN

## Dimensions:



PIN	Define
1	In +
2	In GND
3	Out GND
4	Out GND
5	Out +
6	Out +
7	ADJ *

NOTE: ADJ (adjustable) function is optional, and NOT implemented by default.

UNIT: mm