

## DCAUTO

### Step-Down DC/DC Converter with Output Power up to 200W without Input/Output Isolation

Generates from the input non-stabilized DC voltage a **stabilized DC output voltage, whose nominal value is lower than the input voltage**. There is no input/output isolation provided (common input and output ground). Maximum output power up to 200W.

#### Specification:

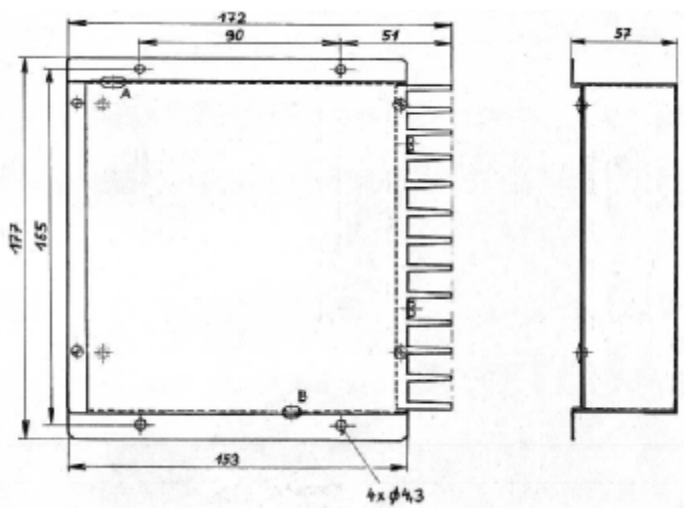
- possible input voltage range: **+10 to +60VDC**
- possible output voltage range (two versions): **+4.5 to +30VDC [+4.5 to +15VDC]**
- output voltage can be adjusted with a multi turn trimmer resistor
- minimum input/output voltage differential:
  - 3V (for input voltage higher than 15V)
  - 5V (for input voltage lower than 15V)
- maximum output current: **12A [20A]**
- maximum output power: **200W**
- output voltage stability: <1% of nominal value for input voltage and output load changes in the defined range
- output current limit: 17A  $\pm$ 10% [24A-27A]
- efficiency: min. 75%
- operating temperature: 0°C to +50°C (-25 °C to +60 °C for -T version, convection cooled)
- metal cover with a heatsink
- dimensions: w=177 mm, h=57 mm, d=172 mm (w=7", h=2.24", d= 6.77")
- weight 1.2kg (2.65 lbs)

#### Application:

The Step-Down (Buck) converter is suitable for example to the generation of 12VDC from 24VDC in mobile applications or to the creation of 24VDC from 48VDC in telecommunications or automation. **User must provide a proper fuse into +U INPUT line in order to comply with safety approvals.**

#### Mechanical Drawing:

(all dimensions in mm)



A: rubber bushing diameter 8 mm for power cables, B: not used