

DC / DC converter, linear readjusted

DC4

Characteristics:

- Supply voltage 19...32VDC
- Output: Voltage see table / $\pm 250\text{mA}$
- Controlled, short circuit proof
- Status display each output
- Each output voltage vernier adjusted
- Mountable on 35mm cap rail TS35
- Clear terminal labeling
- Narrow design
- Shape 45mm
- High reliability, 5 years warranty



Description:

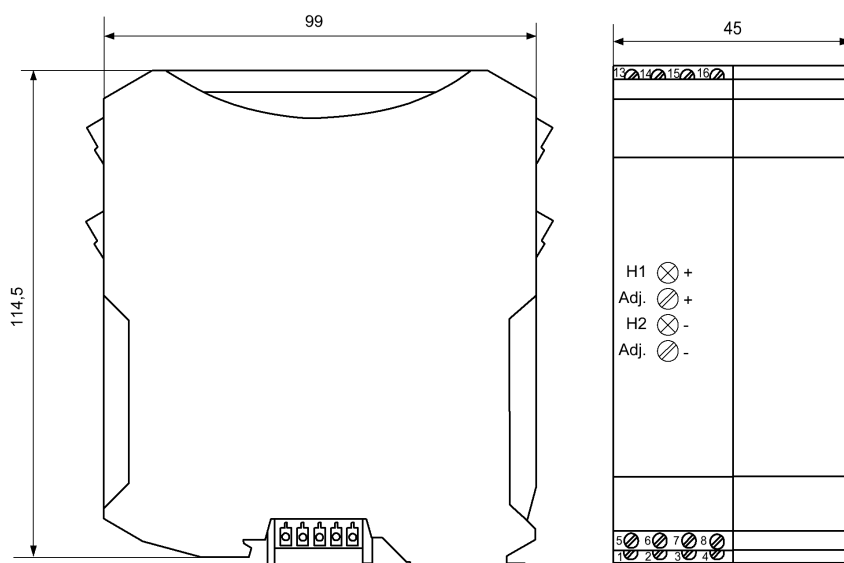
The units of the DC / DC converters series DC4, provided with a linear readjusted output voltage, are developed for the support of small consumers with a positive or negative output voltage. Via a spindle-operated potentiometer every polarity can be separately readjusted. One LED per output displays the ON-position. Easy mounting on snap-on norm rail TS35.

Application:

Build-up of $\pm \dots \text{V}$ set points
Centralized / decentralized DC supply for e.g.: ICA – applications
Precise voltage source because of vernier adjustment at each output voltage.

Order-No:

	Input:	Output:
	DC	DC, 2x 250mA
DC4-10	24V	$\pm 10\text{V}$



Technical Data

Auxiliary power:

Supply voltage : 19...32VDC
Power input : 10VA

Outputs:

Output voltage : $\pm 0, 2\%$
Vernier adjustment : $\pm 200\text{mV}$
Output current : $2 \times 250\text{mA}$
Temperature coefficient: $5\text{mV} / \text{K}$
Load correction
At 10% load correction : $\pm 15\text{mV}$
At 80% load correction : $\pm 100\text{mV}$
Ripple & Noise : $<10\text{mV}$
Short circuit proof : yes

General data:

Operating temperature : $0...+50^{\circ}\text{C}$
Storage temperature : $-25...+85^{\circ}\text{C}$, condensation before putting into operation is not allowed
Test voltage : $500\text{VAC} / 50\text{Hz} / 60 \text{ sec between input - output}$
Rated insulation voltage: 100V AC/DC
Basic insulation, surge voltage category 2, pollution degree category 2 according to DIN EN61010-1.

CE conformity : EN 61326-1, EN 61000-4-2/3*/4/5/6*, EN 61000-6-4
* during measurements are small deviations possible

Body:

Dimension : 45mm adjoin body, 45x114, 5x104, 5mm (with terminals)
Material : PA / V0
Protection category : IP20
Connection : M3-screw-type terminal 0, 14 - $2,5\text{mm}^2$, flexible or inflexible
Fixing : Snap-on mounting for norm rail TS35
Weight : 200g

Note on safety:



Disconnect the power supply before attempting to open the unit.

During the operation of this module it is possible that parts of the module, even there is extra-low voltage, (for example shunt measurement) are under dangerous voltage! Therefore a non-observance of this caution may cause damage of property or physical injury.

Only trained qualified personnel should install or operate the unit. Before installation the qualified personnel should read the documentation and should familiarize themselves with the unit.

If there is visible damage to the body of the unit it should be immediately replaced and not put into operation.



Please ensure that there is a sufficient prevention against electrostatic discharge during installation of the unit.

Installation Information:

Pay attention and make sure the unit is far away from mounted sources that may disturb the device such as magnetic coils, transformers, frequency converters etc.

Wiring advise:

Use only shielded cables. The shield is to be connected extensively to earth. Do not mix power- and signal-wires/cables in the same cable tray.

Limited guarantee:

The LEG Industrie-Elektronik GmbH warranted that the product does not have any material or processing defects in a period of 5 years after date of delivery.

It is up to the choice of LEG to repair or to exchange an inoperative unit.

Subsequent damages or any claim for indemnification above the functionality of the unit are excluded.

This limited warranty is only valid if ...

1. the product was installed and put into operation according to the LEG operation documentation;
2. the technical configuration of the power supply was abided;
3. the product was not used for unintended purposes;
4. there were no unauthorized modifications or manipulations, misuse or repairs without previous agreement from LEG .

Our Terms of Trade are based on the "General Conditions for the supply of products and services of the Electrical and Electronics Industry" including the "Complementary Clause: Extended Reservation of Property" of the ZVEI e.V. (German Association of Electrical Manufacturers).

Miscellaneous:

We expressly reserve the right, without previous notice, to correct errors contained in any data of this information brochure, and to make alterations to the program and technical modifications.