



## U - SERIES LINEAR MODULAR DC POWER SUPPLIES



with potted split bobbin transformer, providing very low leakage current and coupling capacitance

**5 U 5**                                      **5 - 6 V**    **1 A**  
**5 U 15 - 15**    **2 x 12 - 15 V**    **0.2 A**

Accessories:                      P500 Eurocard for 2 U-units  
                                                 Front panel F 10-3 for P500

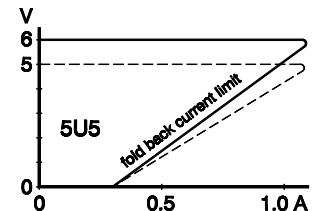
**5 U 5 B**                                      Models with screw terminals for wall  
**5 U 15-15 B**                                      and rail mounting (including two  
                                                                                                 clamps for 35 mm rail)

**Test voltage:**  
Input / Output                                      : 4000 Vrms  
                                                                                                 (output / case shorted)  
Input / Case                                              : 4000 Vrms  
                                                                                                 (output / case shorted)  
Output / Case                                              : 500 VDC  
Output / Output                                              : 500 VDC (5 U 15-15)

**Input to output**  
Leakage current                                      : Typical 5 micro-amps  
Coupling capacitance                                      : Less than 60 pF  
Insulation resistance                                      : 1000 MOhms  
Attenuation input spikes                                      : Better than 100 dB

**Safety**                                                              : EN 60950    EN 61010  
**EMC**                                                              : EN 61204-3  
                                                                                                 EN 61000-6-3 (EN55022B)  
                                                                                                 EN 61000-6-2

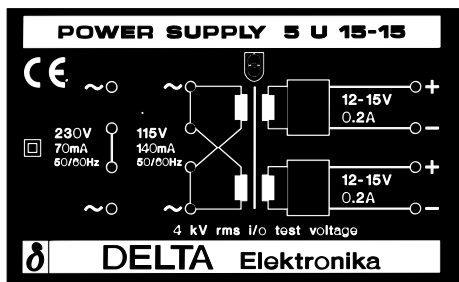
**Current limit:**  
Foldback characteristic



**Regulation**  
Load 0 - 100%                                      : 5 mV  
                                                                                                 Line  $\pm 10\%$                                       : 5 mV (at 4 W output)  
**Ripple + noise**                                      : 0.5 mV rms, 2 mV p-p  
**Temp. coeff., per °C**                                      : 0.01%  
**Output impedance**  
up to 100 kHz                                      : 0.5 Ohm

**Recovery time**  
10 - 100% load step                                      : 25  $\mu$ s  
**Operating ambient temp.**                                      : -20 to +50 °C

**MTBF**                                                              : 1 000 000 hrs  
**Dim. and weight (h x w x d)** : 35 x 58 x 94 mm, 0.39 kg



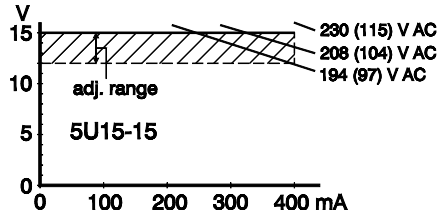
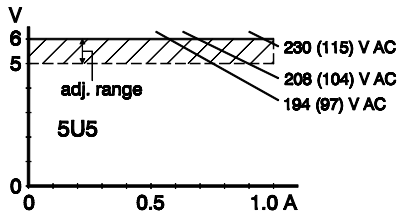
The **5 U 15 - 15** has two isolated, regulated outputs which are independently adjustable from 12 to 15 V (also unequal voltage).

It can be used in 4 different configurations:

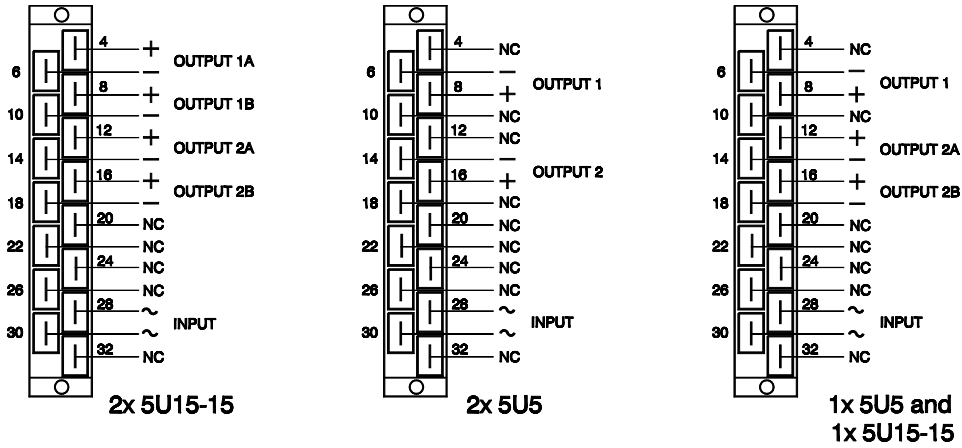
- 1) Two isolated outputs, each                      **12 - 15 V**    **0.2 A**
- 2) Outputs in parallel                                      **12 - 15 V**    **0.4 A**
- 3) Outputs in series                                              **24 - 30 V**    **0.2 A**
- 4) Outputs in series, dual                                      **+/- 12 - 15 V**    **0.2 A**

**Input**                                                              : 230 / 115 V AC 48 - 62 Hz  
**Transformer**                                                              : Split bobbin, potted, safety  
                                                                                                 transformer according to  
                                                                                                 VDE0551  
                                                                                                 EN60742

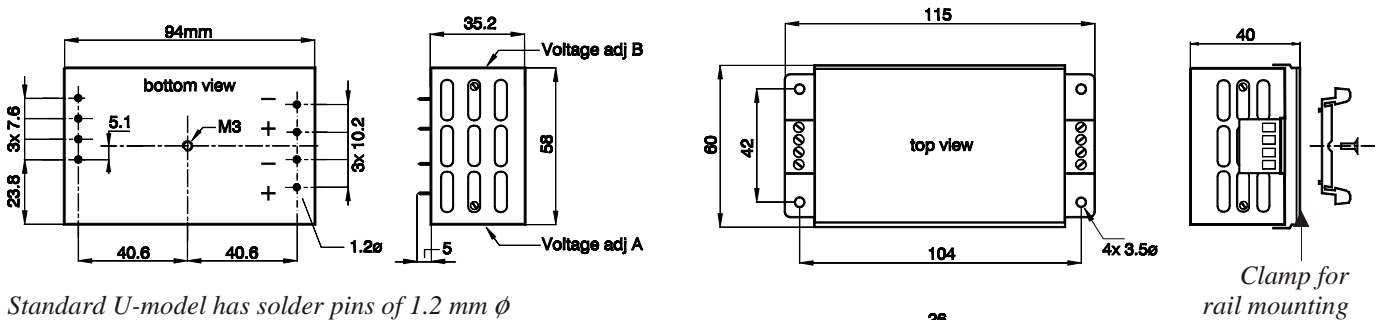




Output voltage and current derating at low AC input voltage

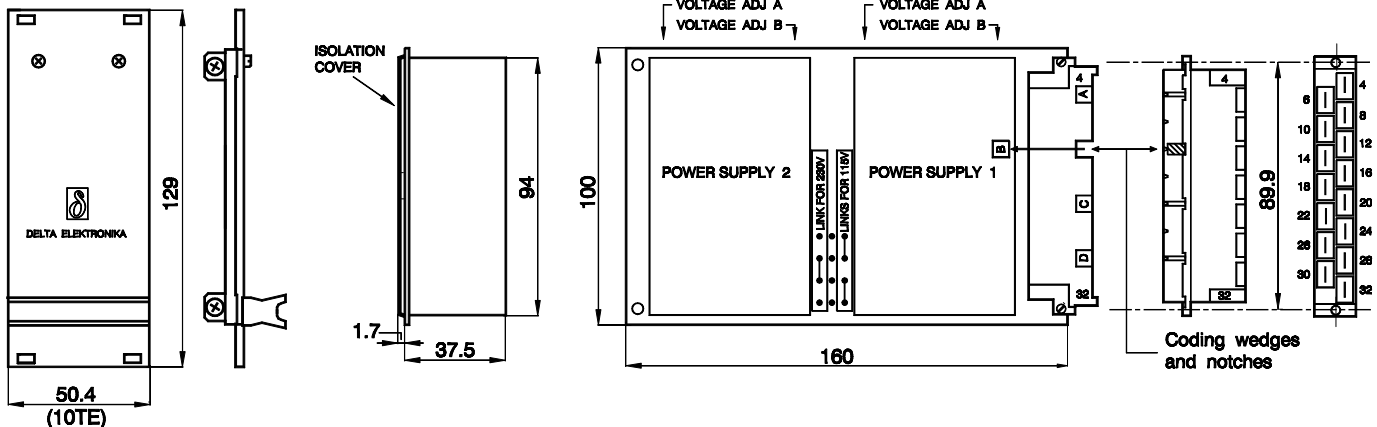
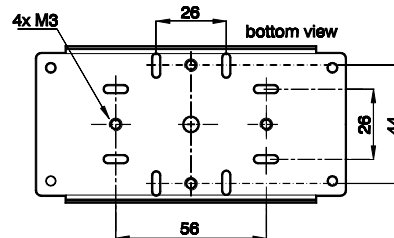


Input and output connections of P 500



Standard U-model has solder pins of 1.2 mm  $\phi$  for PCB mounting

B-model with screw terminals for wall or rail mounting, incl. 2 clamps for 35 mm DIN rail



F 10-3 front panel

P 500 Eurocard for 1 or 2 U-units, incl. contra connector H15