



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 and rail mounting (including two clamps for 35 mm rail)
5 U 15-15 B	

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

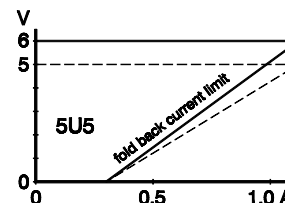
: EN 60950 EN 61010

EMC

: EN 50081-1 EN 50082-1
EN 55022-B EN 61000-3-2
EN 61000-4-2/-4-4/-4-5/-4-11
ENV 50140 ENV 50204

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

: 0.5 Ohm

Recovery time

10 - 100% load step : 25 μ s

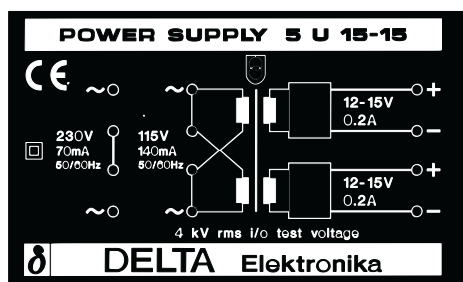
Operating ambient temp.

: - 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).

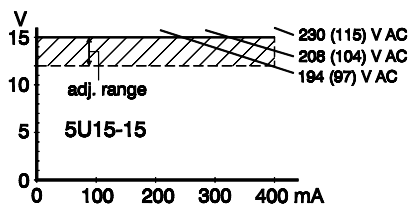
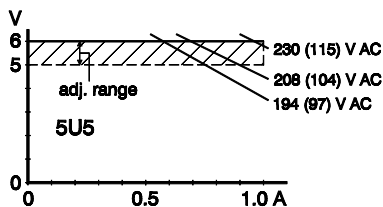
It can be used in 4 different configurations:

- | | | |
|-------------------------------|---------------|-------|
| 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 |

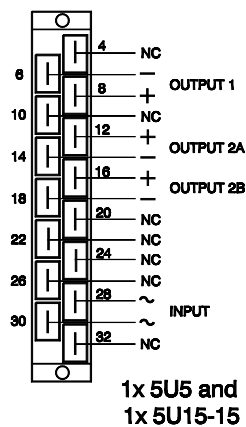
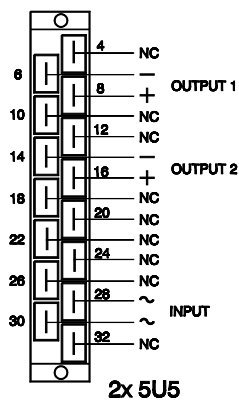
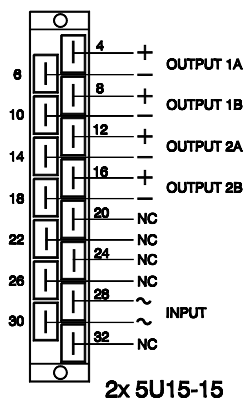
Input : 230 / 115 V AC 50/60 Hz

Transformer : Split bobbin, potted,
safety transformer ac-
cording to
VDE0551
EN60742 

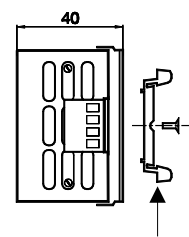
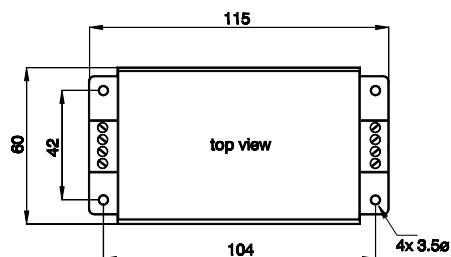
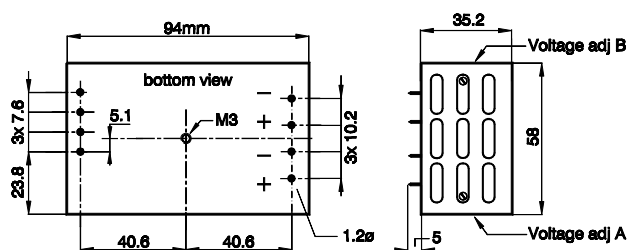




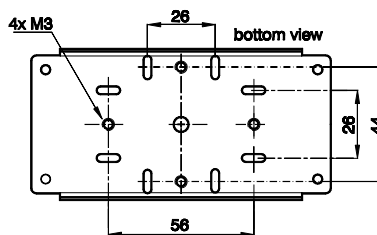
Output voltage and current derating at low AC input voltage



Input and output connections of P 500

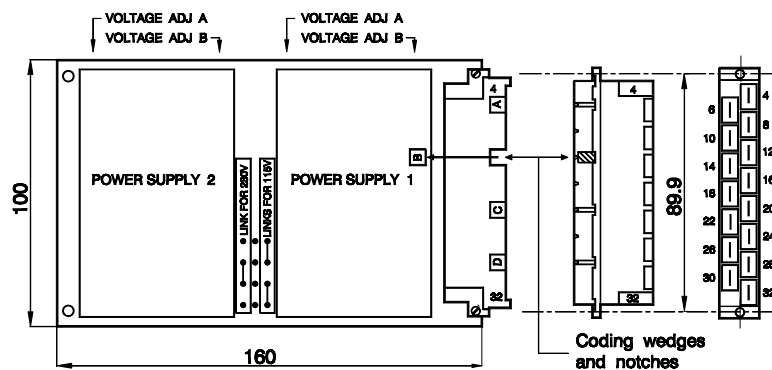
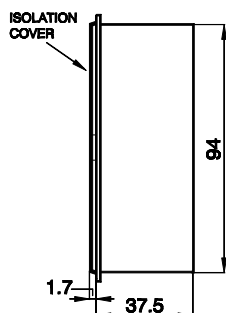
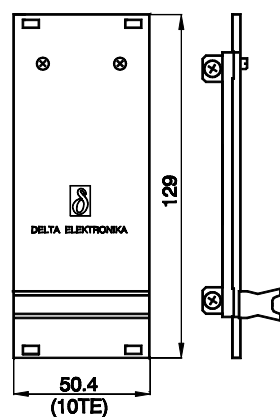


Clamp for rail mounting



Standard U-model has solder pins of 1.2 mm $\varnothing$ 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