

# INDUSTRIAL DC/DC Converters Step Up

Stand: 10/09  
**100 Watt**  
**Series: HSU2**

Wide input range 1:2

### Electrical specifications:

Input voltage:	wide 1:2	Efficiency:	min. 88%
Output voltage accuracy:	+/- 2%	Isolation voltage:	none
Line regulation:	+/- 1%	Short circuit protection:	?
Load regulation:	+/- 3%		
Ambient temperature:	-40°C to +71°C		
Ambient temperature till 25W:	-40°C to +85°C	no under voltage Lockout	
Operating temperature:	max. +95°C	therefore 20A slow fuse recommended	

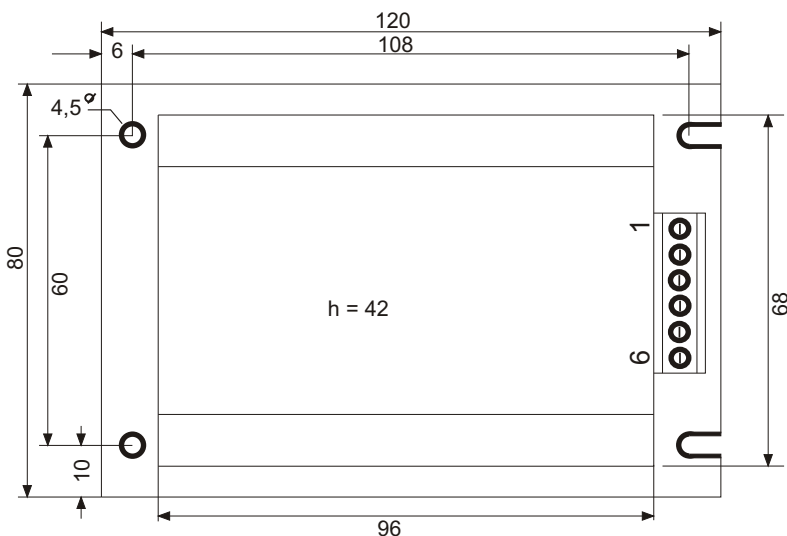
**CAUTION: NO INPUT POLARITY CHANGE ALLOWED!**

Part-No.	Input voltage	NO ISOLATION	Output voltage	Output current
HSU2-1224	12V ( 9 - 18 )		24V <small>Other voltages on request</small>	4,1 A

Attention: Initial start-up requires  $U_{in}$  min. 10V, then  $U_{in}$  can drop down to min. 9V without leaving output tolerance.

Any other output voltages available

**2200µF / 105°C Elco at input & output is a must !**



### Pin Connections

Pin. NO.	PIN FUNCTION
	SINGLE
1	+ INPUT
2	+ INPUT
3	GND
4	GND
5	+ OUTPUT
6	+ OUTPUT

ALL DIMENSIONS IN MM  
 Tolerance +/-0,5mm

Heatsink & Fixingplate:  
 Aluminium 3mm

NOTE: Pin size is 1mm diameter.  
 No input polarity change allowed !

Specification may be changed without notice  
 please contact office for verification

We can offer EMC - Filter  
 according to EN55011/22 Class B.