

Stand: 27/13

100 - 300 Watt

Series: HSD2  
 HSD3

# INDUSTRIAL DC/DC Converters Step Down

Wide input range  
 1:2 ; 1:3

## Electrical specifications:

Output voltage accuracy: +/- 3%  
 Line regulation: +/- 1%  
 Load regulation: +/- 3%  
 Efficiency: up to 94%  
 Ambient temperature: -40°C to +71°C

Operating temperature: -40°C up to +105°C  
 Insulation voltage: none  
 Short circuit protection: continuous  
 Output ripple & noise: max. 200mVp-p  
 Low Voltage Lockout

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

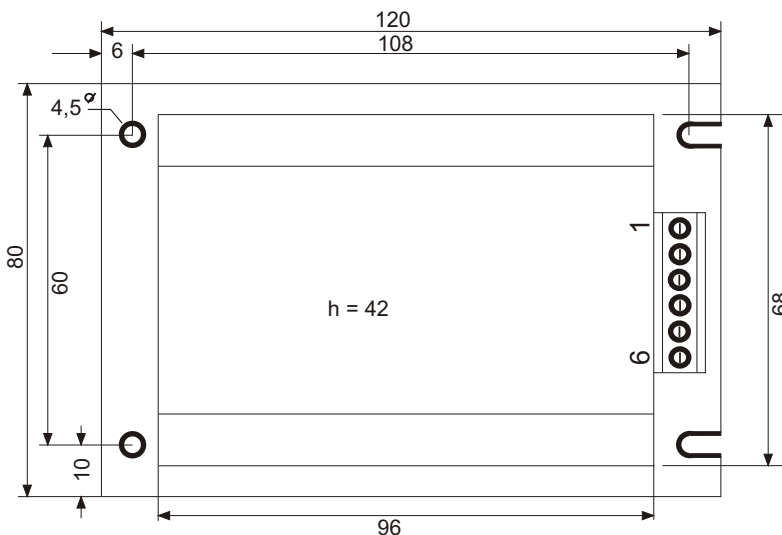
Part - No.	Input voltage	N O ISOLATION	Output voltage	Output current
HSD2-4524	45V (30- 60V)		Other voltages 24V 24V 24V on request	24V
HSD2-4524	45V (30- 60V)	24V		12,5A**
HSD3-8024	80V (40-120V)	24V		4,16A / 6,25A / 8,30A*

**Any other output voltages available**

\* With heatsink 400cm<sup>2</sup> / 2mm thickness !

\*\* With proper heatsink to avoid heatsink temperatures above +85°C

**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.