



DC/DC – Converter

- Open Frame
- overall size 80 x 165 x 50 mm
- Wide Range Input 300 ... 900Vdc
- 5 output voltages
- all outputs galvanically insulated
- VDE 0160, VDE 0106
- output power 80 Watt
- Safety Approvals

Technical Specification DCP 71

Input


Input range	V_{in} : 300 ... 900 Vdc
Efficiency	≥ 70%, typically
Input Protection	embedded in application

Output

Output Voltages	V_o see table at the end of the document
Output Currents	I_o see table at the end of the document
Ripple + Spikes, Measurement Bandwidth 20Mhz	50 mV + 0.2% V_{o_nom}
Short Circuit Protection	Yes; all outputs
Overvoltage Protection	Yes, suppressordiode for 5 V -Output
Line Regulation (V_{inmin} ... V_{inmax})	V_{o1} : +/- 1%; V_{o2}, V_{o3} : +/- 2%; V_{o4} : +/- 10%; V_{o5} : +/- 1%; I_o = constant
Load Regulation (10% ... 90%)	V_{o1} : +/- 1%; V_{o2}, V_{o3} : +/- 2%; V_{o4} : +/- 10%; V_{o5} : +/- 1%; V_{in} = constant
Temperature Coefficient	≤ 0,02% V_o / K
Settling Time (10...100% I_{out}); $di / dt = 1A / \mu sec$	≤ 1msec
Outputs with common Ground	V_{o2}, V_{o3}

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Safety (CE-Sign according to 73/23/EWG)

Safety Approvals in accordance to	EN 60950, IEC 950
Insulation Input-Output	3.75 kVac
Approval	

Emission; Immunity:

Not implemented, embedded function within application.

General Data

Operating Temperature without derating	0 °C...+55 °C
Storage Temperature	-25 °C ... +85 °C
Dimensions (Height x Width x Depth)	80 x 165 x 50 mm
Connections	See Pin assignment
Warranty	24 Months

Pin-Out

Function	Pin Assignment	Function	Pin Assignment
Connector 1 (2 pin)		Connector 3 (16 pin)	
Phoenix 1766233		Tube connector	
+V _{in}	1	+V _{o5}	1
V _{in_Gnd}	2	V _{o5_Gnd}	2
Connector 2 (4 pin)		V _{o4_Gnd}	3, 4
Phoenix 1757268		+V _{o4}	5, 6
+V _{o4}	1	V _{o2_Gnd}	7, 8
n.c.	2	+V _{o2}	9, 10
n.c.	3	-V _{o3}	11
V _{o4_Gnd}	4	+V _{o2}	12
		V _{o1_Gnd}	13, 14
		+V _{o1}	15, 16



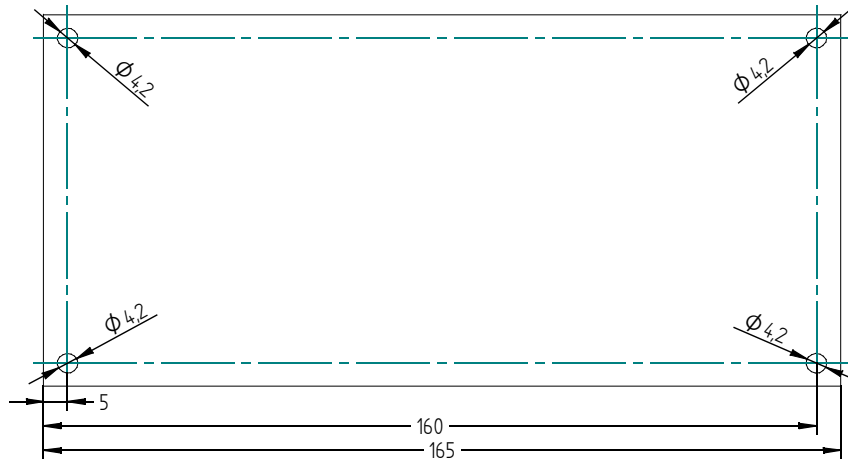
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Output Voltage / Output Current / Order Code

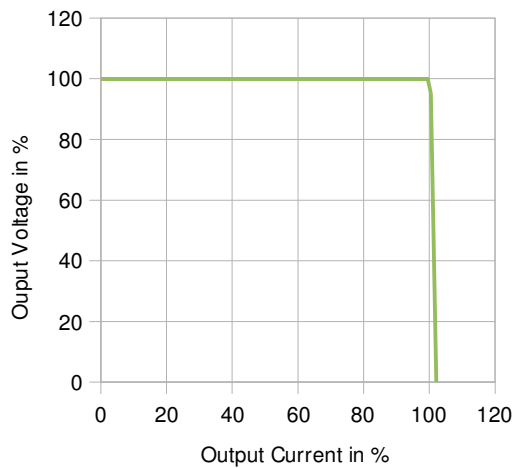
V_{o1} / I_{o1}	V_{o2} / I_{o2}	V_{o3} / I_{o3}	V_{o4} / I_{o4}	V_{o5} / I_{o5}	Order Code
5 V / 2 A	15 V / 1.7 A	-15 V / 0.5 A	26 V / 1 A	24 V / 0,5 A	4001.0826

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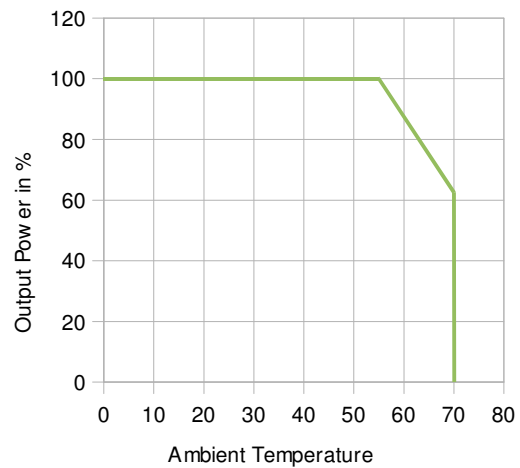
Mechanical Dimensions in mm



Output Characteristics



Derating-Curve



For further information on technology, delivery terms and conditions and prices please contact our sales department or one of our sales representatives close to you. Contact information and more details are available for you at: <http://www.huhn-rohrbacher.de>

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