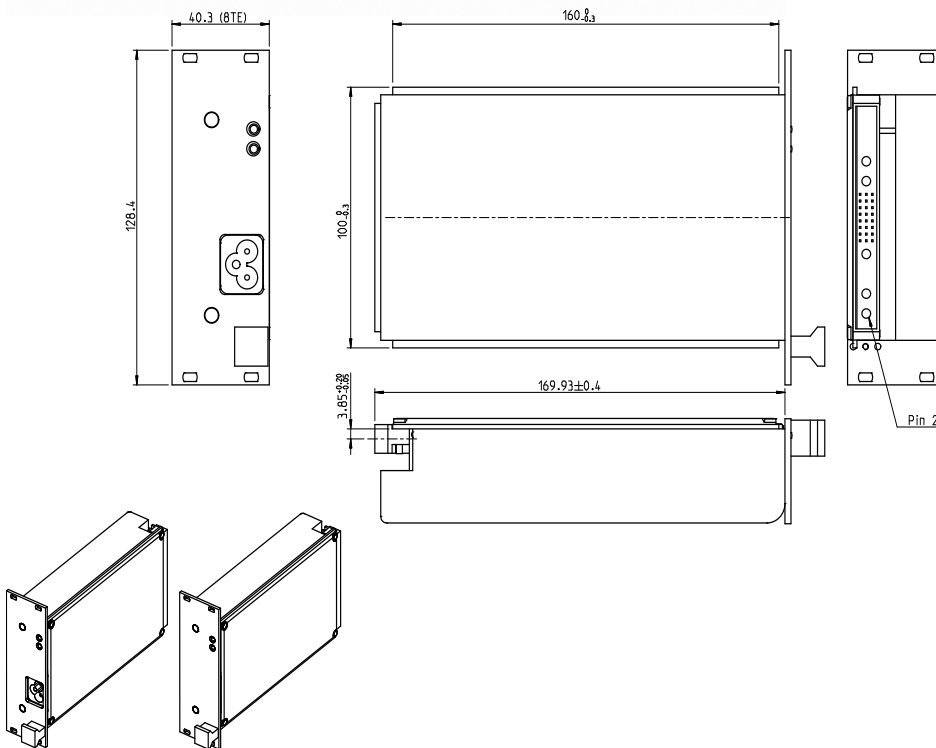




- 75 watts output power
- 19"- plug-in module 3U / 8 HP
- For Compact PCI Small Systems
- Input 120/230VAC frontside or backside
- Output via connector M24/8
- Full performance at free convection (no forced ventilation necessary)



ORDER DATA							Order numbers
Vo1 V	Io1 A	Vo2 V	Io2 A	Width HP	Height U	Mains input via	Typ-No.
+5.1	0 - 8	3.3	0 - 10	8	3	IEC320/C5	P2071-0503F 15.9441.900
+5.1	0 - 8	3.3	0 - 10	8	3	M24/8	P2071-0503 15.9442.000

Additionally:
 Front panel (for P2071-0503F) 33.1594.021.011
 Front panel (for P2071-0503) 33.1594.023.011

**AC / DC POWER SUPPLY FOR CPCI
PRIMARY SWITCHED · DUAL OUTPUT
P2071 SERIES**

1. INPUT	
Input voltage range V_i	AC 187 - 264V, 50/60 Hz Automatical switchover to AC 90 - 138V
Efficiency	80% typ.
Input current limitation	$\leq 25 A_{peak}$ in cold state $\leq 35 A_{peak}$ in hot state
Internal fuse	3.15AT at 250V
2. OUTPUT	
Adjustment range V_{o1}, V_{o2}	$\pm 5\%$
Operation indicator	Green LEDs for V_{o1} and V_{o2}
Ripple	$< 50 mV_{ss}$ $> 0^\circ C$
Noise voltage	$< 50 mV_{ss}$
Temperature coefficient	0.025% / K
Switch on/ switch off performance	No overshooting of V_o (soft start)
Start-up delay	$< 1s$
Rise time	$\leq 30 ms$
3. REGULATION	
Line regulation	$< 0.2\%$ for V_{o1}, V_{o2} at $V_{i_{min}} - V_{i_{max}}$
Load regulation	$< 0.5\%$ for V_{o1} 0 - 100% $< 0.5\%$ for V_{o2} 0 - 100%
Response time	$< 0.5 ms$ at I_o 20 - 80%
4. PROTECTION AND CONTROLLING	
Oversvoltage protection	$125 \pm 5\%$ for V_{o1}, V_{o2}
Current limitation	105 - 140% Output permanent short-circuit proof
Overtemperature protection	Switches off if inside temperature becomes too high, restart with hysteresis
Mains buffering	$>20 ms$ at 100% load
5. EMC	
Flicker	EN61000-3-3
Harmonics	EN61000-3-2
Interference suppression / interference immunity	EN61000-6-2
	EN61000-4-2 Intensity 4
	EN61000-4-3
	EN61000-4-4 Intensity 4
	EN61000-4-5 Intensity 4
	EN61000-4-6
	EN61000-4-8
	EN61000-4-11
Interference emission	EN61000-6-3
	EN61000-3-2
	EN55022 Class B
	Radiation depends on assembly

6. SAFETY	IEC 60950 / EN 60950 / VDE 0805 UL60950 / CSA 22.2-950 Safety class I
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7. OPERATING DATA	
Temperature range	-25...70°C
Derating	2%/K at +50°C (see diagram)
Weight	0.55 kg
Parallel connection	no
Ventilation from bottom to top of the power supply and the housing-specific heatradiation must not be obstructed when installing the power supply. Ensure fire protection by means of the surrounding housing system.	

8. MECHANICS	
Dimensions	19" plug-in module according to DIN41494 3 U / 8 HP Plug-in by PCB
Line Connection	P2071-0503F Frontside: connector plug IEC320/C5 P2071-0503 Backside: Connector M24/8, DIN 41612

9. PIN CONNECTIONS

P2071-0503F

11 13 20 22 25

PE +5V OVL

P2071-0503

2 5 11 13 20 22 25

L1 N PE +5V OVL

10. EXPLANATION	
PE ⊕	Protective conductor Do not use without PE-connection!
L1 / N	Mains phase / neutral conductor
L	Load connections
OVL	Pin 13...20 max. 2 A each contact Common ground for V_{o1}, V_{o2}

Please refer to the MGv user instructions before use!
(also in Internet www.mgv.de)
safety information
www.mgv.de

