

## data sheet

### HC510-OC2-480-12-I

for HC510 rack (RK), OC2 = output-card - 2nd generation, 254...480 Volts, 12 channels, I = amp measurement



#### order code

510.254

#### 100 % compatible replacement for antecessor

- HC510-OC-480-12-I (order code 510.252)
- HC510-OC-480-12 (order code 510.251)

#### mechanics

construction	<ul style="list-style-type: none"><li>• power circuit boards with aluminum heat sink</li><li>• aluminum front panel (powder coated)</li></ul>
dimension (b/w/d with connectors)	343 / 33.7 / 230 mm 13.5 / 1.33 / 9.1 inch
weight (without packing)	0.9 kg 1.98 lb
degree of protection	IP20
mount to rack (RK)	with 2 pcs. M3 knurled screws

#### climatic and environment condition

surrounding air temperature	0 - 45 °C 32 - 113 F
rel. humidity	≤ 75 %, no condensation
forced ventilation	with fan-unit (FU) mount to rack (RK)
pollution degree	2

#### connectors

HC-BUS	gold contacts on PCB for plugs in the rack (RK)			
	screw type plugs on front			
power in	1 pcs.	2 pins M4	0,75 - 16,0 mm <sup>2</sup> AWG 18 - 6	1.7 - 1.8 Nm 15.0 - 15.9 lb in
outputs	2 pcs.	6 pins M4	0.25 - 4.0 mm <sup>2</sup> ; AWG 24 - 10	0,5 - 0,6 Nm 4.4 - 5.3 lb in

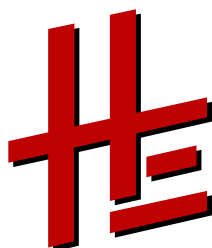
power supply	
voltage	254 ... 480 Vac, +/- 10 % 1 phase
amp	50 A
protection	external (for wire protection only)

power outputs	
quantity	12
amperage	4.17 A (1'058 W / 254 V ... 2'000 W / 480 V)
heater wiring	<ul style="list-style-type: none"> <li>• Y-operation = heaters between phase and neutral (N)</li> <li>• Δ-operation = heaters between 2 phases</li> </ul>
switching	BF (full sinusoid waves)
short circuit protection of power switches (triacs)	1 melt fuse each channel ( <b>use original fuses only</b> ) 6.3 x 32 mm, FF 6.3 A, 500 V HC-SI-63-6x32, order code 500.950
load	resistive

control supply (over HC-BUS)	
voltage	24 Vdc
amp	35 mA

various	
quantity each CPU-unit (CU)	max. 64
detection of <ul style="list-style-type: none"> <li>• broken heater</li> <li>• single broken heater wired with other heaters in parallel at the same output</li> <li>• broken wire</li> <li>• broken fuse</li> <li>• shorted power switch (heater cannot be turned off)</li> </ul>	with one (1) multiplexed amp measurement each phase
constant amp despite fluctuating voltage	if voltage-unit (VU) is used
LEDs	2 (HC-BUS, power supply and power circles)

certification	
 and  US LISTED E500432	



**HETRONIK GmbH**