

RCV 1000/3

Switching amplifier with 3A output current

Concept:

The switching amplifier **RCV1000/3** is specially designed for the use with Piezocomposite Actuators or other capacitive loads with at least **0.6 μF** capacitance.

Specials:

The switching amplifier **RCV1000/3** operates as an amplifier with energy recovery. This amplifier principle is especially suited to control high power during dynamic operation. An actuator-amplifier-system of this kind is more efficient than one with an analog amplifier.



Image: RCV1000/3

Product highlights:

- High power for dynamic operations
- Output current 3 A
- Noise $\leq 1 \text{ mV}_{\text{pp}}$

Application examples:

- Vibration excitation
- Modal analyses
- testing

RCV 1000/3

Technical data

	unit	RCV 1000/3
output		
voltage	V	0... +1000
DC-offset range	V	0... +1000
gain	-	100
max. output current	A	3
signal noise	V _{PP}	≤1 (depends on the capacitive of the load)
plug	-	D-SUB 5W1
input		
voltage range	V	0... +10
input resistance	kΩ	1
plug	-	BNC
monitor output		
voltage range	V	0... +10
plug	-	BNC
voltage supply		
mains voltage	V AC	230 ±10% @50/60Hz
power switch	-	trigger switch/front panel
fuse	-	2 micro fuses 5 x20 anti-surge fuse means 6 A integrated into main socket
LED's	-	HV : the high voltage output is activated IL: automated switching off of the voltage output because of overheat or overload shortage: automated switching off of the voltage output because of short circuit
dimensions (w x d x h)	mm/"	380x450x150/15 x 18 x 6
weight	kg/lbs	12.1/46.5