

4000 Series

10W - 33KV SINGLE OUTPUT DC/DC INDUSTRIAL

Features

- 0 to 100% adjustability.
- Voltage programmable.
- Voltage monitor.
- Remote on/off control.
- EMI/RFI shielding.
- Short circuit, reverse polarity protection.
- Arc protection.



Specifications

INPUT

Voltage +24Vdc (+20% to -5%).

OUTPUT

Power 10W.

Voltage See table.

Current See table.

Ripple See table.

Analog control 0 to 10 Volts = 0 to 100% output.

Voltage monitor 0 to 10 Volts = 0 to 100% output..

On/Off control On = 0 Volts or N.C.
Off = 5 Volts

Reference output 10 Volts ($\pm 0.5\%$).

ENVIRONMENTAL

Operating temperature -10°C to $+60^{\circ}\text{C}$.

GENERAL

Dimensions 104 x 78.7 x 35.56 mm (4010 to 4200).
104 x 91.4 x 35.56 mm (4300 to 4330).

Weight 675g.

Packaging Fully encapsulated.

Case material Black anodised aluminum.

Input connector Molex 09-50-3071 (supplied).

Molex pins 08-50-0106 (supplied).

High voltage leads 30KV 22AWG (4010 to 4200).
40KV 20AWG (4300 to 4330).

OPTIONS

Negative output voltage Put "N" after model (eg 4300N).

Selection Tables

MODEL NUMBER	OUTPUT	OUTPUT*1	RIPPLE
	VOLTAGE	CURRENT	
4010	0 to 1,000V	10mA	0.1%
4020	0 to 2,000V	5mA	0.1%
4030	0 to 3,000V	3.3mA	0.2%
4050	0 to 5,000V	2mA	0.1%
4070	0 to 7,000V	1.4mA	0.1%
4100	0 to 10,000V	1mA	0.1%
4120	0 to 12,000V	0.8mA	0.1%
4150	0 to 15,000V	0.67mA	0.1%
4200	0 to 20,000V	0.5mA	0.2%
4300*2	0 to 30,000V	0.33mA	0.4%
4330*2	0 to 33,000V	0.30mA	0.2%

Note: 1. At maximum rated output voltage.
2. No voltage monitor.

PIN#	FUNCTION
1	On/Off control
2	Ground/case
3	+24Volt input
4	10 Volt reference output
5	Programming voltage
6	Internal potentiometer
7	Voltage monitor

PROGRAMMING

VOLTAGE	Apply 0-10V to pin 5 for 0-100% output.
RESISTANCE	Connect potentiometer to pin 4 (reference voltage), connect wiper arm to pin 5, and connect potentiometer to the ground.
MANUAL	Connect pin 6 to pin 5, turn front panel pot for voltage adjust.