

# PC338 3 PHASE Water Cooling AC to DC PHASE ANGLE THYRISTOR UNITS      *For dc loads only*

**FEATURES**  
 \*\* Auto-adjust for 50 or 60Hz supply frequency  
 \*\* Logic control for ON & OFF operation  
 \*\* Soft-start/stop, adjustable ramp up/down periods  
 \*\* Fully isolated input from output  
 \*\* Wide selection of supply voltages  
 \*\* Voltage or mA input, user selectable  
 \*\* Span & zero adjust for wide range of different process inputs

The PC338 water cooling thyristor unit is a high specification, cost effective, compact and easy to install three phase thyristor unit for controlling the power to a dc load.

Voltage or mA source input is user selectable. Input span and offset are adjustable to allow flexibility for users to select different applications.

A 'LOGIC CONTROL' function allows to start/stop the output current/voltage. Both soft-start (ramp up) and soft-stop (ramp down) are standard features for PC338. No ramp function can be specified as optional feature.



**Ordering Information**      You are welcome to order by description or product code.

## **PC338 - INPUT - SUPPLY VOLTAGE - O/P CURRENT - OPTIONS - WC - 00**

<u>INPUT</u>	<u>CODE</u>	<u>O/P CURRENT</u>	<u>CODE</u>
0-5V	11	100A	100
0-10V	12	150A	150
4-20mA	20	200A	200
<b><u>SUPPLY VOLTAGE</u></b>	<b><u>CODE</u></b>	250A	250
** Line to Line		300A	300
220V	22	400A	400
240V	24	500A	500
380V	38		
415V	41	<b><u>OPTIONS</u></b>	<b><u>CODE</u></b>
440V	44	NO RAMP	NR
480V	48	Logic high	HLOG
500V	50	(logic high – output enable with >18V dc & output quench with logic input <15Vdc)	
600V	60		

### **Specification**

Supply voltage (line to line)	Refer to ordering information +/-10%
Supply frequency	47Hz to 63Hz
Operating temp.	0 to 50 Deg. C
Water temp.	35 Deg. C
Storage temp.	-10 to 80 Deg. C
Input signal	0-5V, 0-10V, 100K min.; 4-20mA, 300 ohms max.
Aux 10V output	10V +/-5%, 3mA max. For local (manual) control
Soft-start	Standard ramp-up period - from 1 to 30 seconds.
& Ramp-up	Long ramp-up period - from 10 sec. to 4 mins.
Ramp-down adjust	same adjustable range as ramp-up range period.
Isolation	2500Vrms between I/P & O/P
Relative humidity	0 to 85%
Logic low	Active low, less than 0.7Vdc or input short-circuit
Logic high	Output off, greater than 3.6Vdc (30Vdc max.) or input open-circuit
Dimensions	W: 300mm; H: 385mm; D: 255mm

### **Powerlink Electronics Ltd.**

Powerlink House, Ivy Arch Road, Worthing, W Sussex, BN14 8BX  
 Tel: 01903 209550      Fax: 01903 213526