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typical applications

WS500



WS700



WS4000



PM150/300/500 power modules

data sheet



An essential partner for welding timers

The PM150/300/500 range provides the interface between timer and welding transformer. Available in water- or air-cooled* formats, the module includes the SCR assembly, thermostat, load resistors and firing circuit. Options include a 24 V PSU for the welding control and current transformer for primary feedback. A wide range of operating voltages ensures compatibility with most welding equipment.

features	benefits
integrated module	all components in one housing
compact, rugged design	robust and reliable
screened high-voltage contacts	safety
simple mounting requirements	can be fixed in wall or floor mounted cabinets
pulse drive SCR	accurate and repeatable
can be used with any welding control that has pulse drive e.g. WS500/700/1000/4000	versatile

options
24 V power supply - current transformer
water cooled block for air cooled modules

configurations
water/air* cooling
150-W/A SCR
300-W/A SCR
500-W SCR

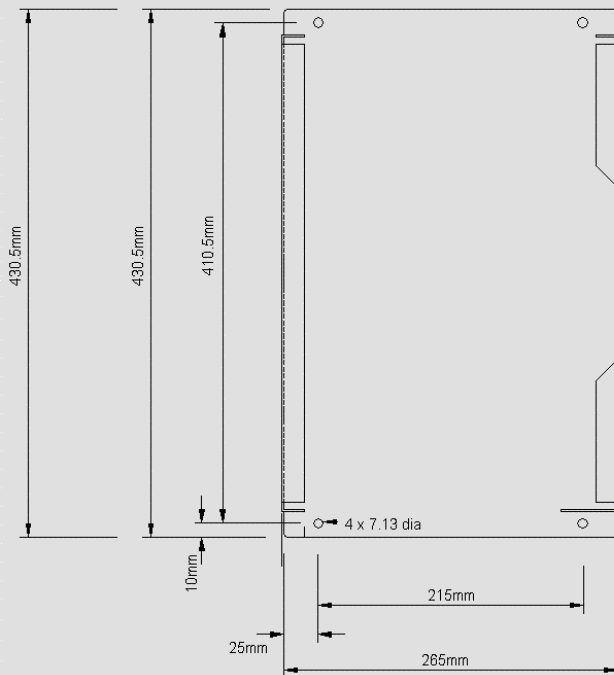
* air cooling not available for 500 SCR

PM150/300/500 power modules

data sheet

power supply		SCR ratings		
supply voltages	240 (special order), 380, 400, 420, 440, 500 V ac	150-W	300-W	500-W
line frequency	50/60 Hz \pm 1 Hz	peak current	4500 A	5900 A
		continuous current	900 A	1000 A
		10 cycles @ 10 % duty	1400 A	2400 A
		typical applications	< 150 kVA	< 300 kVA
			< 500 kVA	< 500 kVA
environmental		SCR ratings		
temperature		150-A	300-A	500-A
- operating (water cooled)	0° to +50°C	peak current	2000 A	4250 A
- operating (air cooled)	0° to +30°C	continuous current	100 A	125 A
- storage	-25° to +70°C	10 cycles @ 10 % duty	640 A	850 A
- water inlet	+25°C maximum	typical applications	< 70 kVA	< 100 kVA
- water flow rate	5 l/min minimum			n/a
humidity		description		
- operating	up to 80% (relative)	part number		
- storage	10% to 90%	PM 150-W-CT-24	02-01-00	
		PM 150-W-24	02-01-00-02	
		PM 150-A-CT-24	02-01-01	
		PM 300-W-CT-24	02-01-09	
		PM 300-A-CT-24	02-01-05	
		PM 500-W-CT-24	02-01-08	
dimensions (water cooled)				
height	430 mm			
width	270 mm			
depth	140 mm			
weight	9.6 kg			

mounting (water cooled)



Information in the document is subject to change without notice.

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