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typical applications

3-phase welder



1 timer + 6 SCRs multiwelder



3 timers + 3 SCRs multiwelder



Multiwelder & 3-phase systems

data sheet



Custom systems as standard

BF ENTRON's size 4 OM case houses a circuit breaker, contactor and up to three timers and three SCRs in one cabinet. Additionally, the size 4X expansion case houses up to three timers and three SCRs. Several combinations of circuit breaker and contactor make the range suitable for most 3-phase or multiwelder applications.

features	benefits
sheet steel enclosure	rugged and robust
screened internal components	safety
simple mounting requirements	can be wall or floor mounted
wide range of SCRs, circuit breakers and contactors	versatile
up to 24 SCRs can be fired sequentially (WS4000)	ideal for multiwelders
linked multiwelder programs (WS4000)	simplifies programming

options
up to 3 welding controllers (WS4000/700/500)
up to 3 SCRs
floor-standing plinth

configurations
150W SCR (MWTC150 water cooled)
300W SCR (MWTC300 water cooled)
500W SCR (MWTC500 water cooled)
250 A circuit breaker + 190/300/390 A contactor
400 A circuit breaker + 300/390 A contactor
630 A circuit breaker + 390 A contactor
800 A circuit breaker + 390 A contactor

Multiwelder & 3-phase systems

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power supply				environmental	
supply voltages	380, 400, 420, 440, 500 V ac			temperature	
line frequency	50/60 Hz ±1 Hz			- operating	0° to +50°C
				- storage	-25° to +70°C
SCR ratings	150W	300W	500W	humidity	
peak current	4500 A	5900 A	9200 A	- operating	up to 80% (relative)
continuous current	900 A	1000 A	1400 A	- storage	10% to 90%
10 cycles @ 10 % duty	1400 A	2400 A	3700 A		
typical applications	< 150 kVA	< 300 kVA	< 500 kVA	dimensions size 4	
				height	1200 mm
				width	750 mm
				depth	350 mm
				dimensions size 4X	
				height	1200 mm
				width	500 mm
				depth	350 mm

Information in the document is subject to change without notice.

91-10-00-00-03 rev. 2 © 2003 BF ENTRON Ltd.