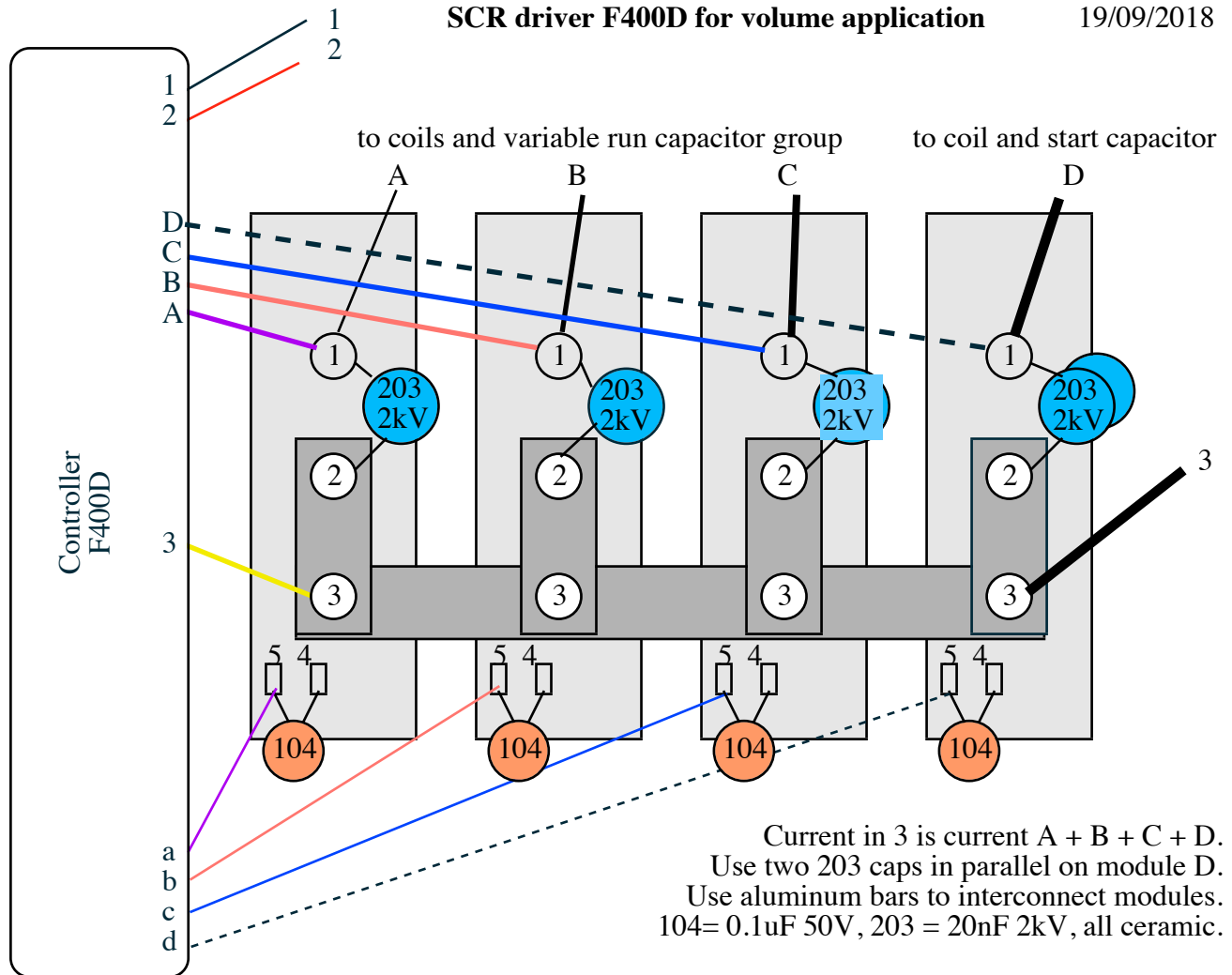




## SCR driver F400D for volume application

19/09/2018



Heat per module in watts is as the current flowing in amps.  
Use small amount of heat sink compound on SCR modules, spread evenly.  
Currents in A B C are continuous, current in D only when motors accelerate.

kW	hp	A	B	C	D
12	15	<b>70</b> 2A	<b>70</b> 5A	<b>70</b> 10A	<b>70</b> 80A
24	30	<b>70</b> 4A	<b>70</b> 9A	<b>70</b> 18A	<b>116</b> 156A
40	60	<b>70</b> 8A	<b>70</b> 17A	<b>70</b> 34A	<b>165</b> 311A
60	80	<b>70</b> 10A	<b>70</b> 21A	<b>70</b> 42A	<b>165</b> 208A 2x 40hp sequential start*
90	120	<b>70</b> 15A	<b>70</b> 31A	<b>116</b> 62A	<b>165</b> 311A 2x 60hp sequential start*
130	180	<b>70</b> 23A	<b>70</b> 46A	<b>116</b> 93A	<b>320</b> 470A 2x 90hp sequential start*

	<b>70:</b>	<b>116:</b>	<b>165:</b>	<b>320:</b>
Modules:	STD70	STD116	STD165	STD320
or:	MCD72	MCD95	MCD162	MCD255

Use SCR modules for 1600V or higher.

These are standard SCR-Diode modules available from many suppliers, see cross reference tables.

Wire colors: 1=blk 2=red 3=yellow Aa=violet Bb=orange Cc=blue Dd=white

Wire diam: 12abcd= 0.5mm, 3ABCD=1.5mm. Length 1+2: 80cm, ABCD abcd: 45cm

Connections are indestructible except gate drivers abcd. If in doubt: abcd to 3 are 15 Ohm each.