

Setting

Important/Safety:

Isolate all power supplies before working on the equipment. Do not adjust any settings while power is applied. Persons responsible for installation, commissioning and maintenance, should be competent in the application of the equipment and the relevant safety regulations.

Install the equipment in accordance with the Installation and Maintenance Instructions for Series 2000 starters, particularly:

1. Check all mechanical fixings and electrical connections to ensure that they are tight.
2. Ensure that the supply, motor and enclosure lid earths are correctly connected to the base mounted earth stud.
3. Ensure that the mounting and cable gland connections are completely sealed from dust.
4. Ensure that the overload unit (OL) is set to the full load current of the motor.

Setting up the Module.

Always start the set up by ensuring that the Braking Time & Torque potentiometers are turned to minimum i.e. fully anticlockwise.

Stopping time is dependant upon the inertia, friction and braking torque. It is important to set the Braking Torque as low as possible to stop the load.

A Braking Time Setting (0-100% = approx 12 seconds).

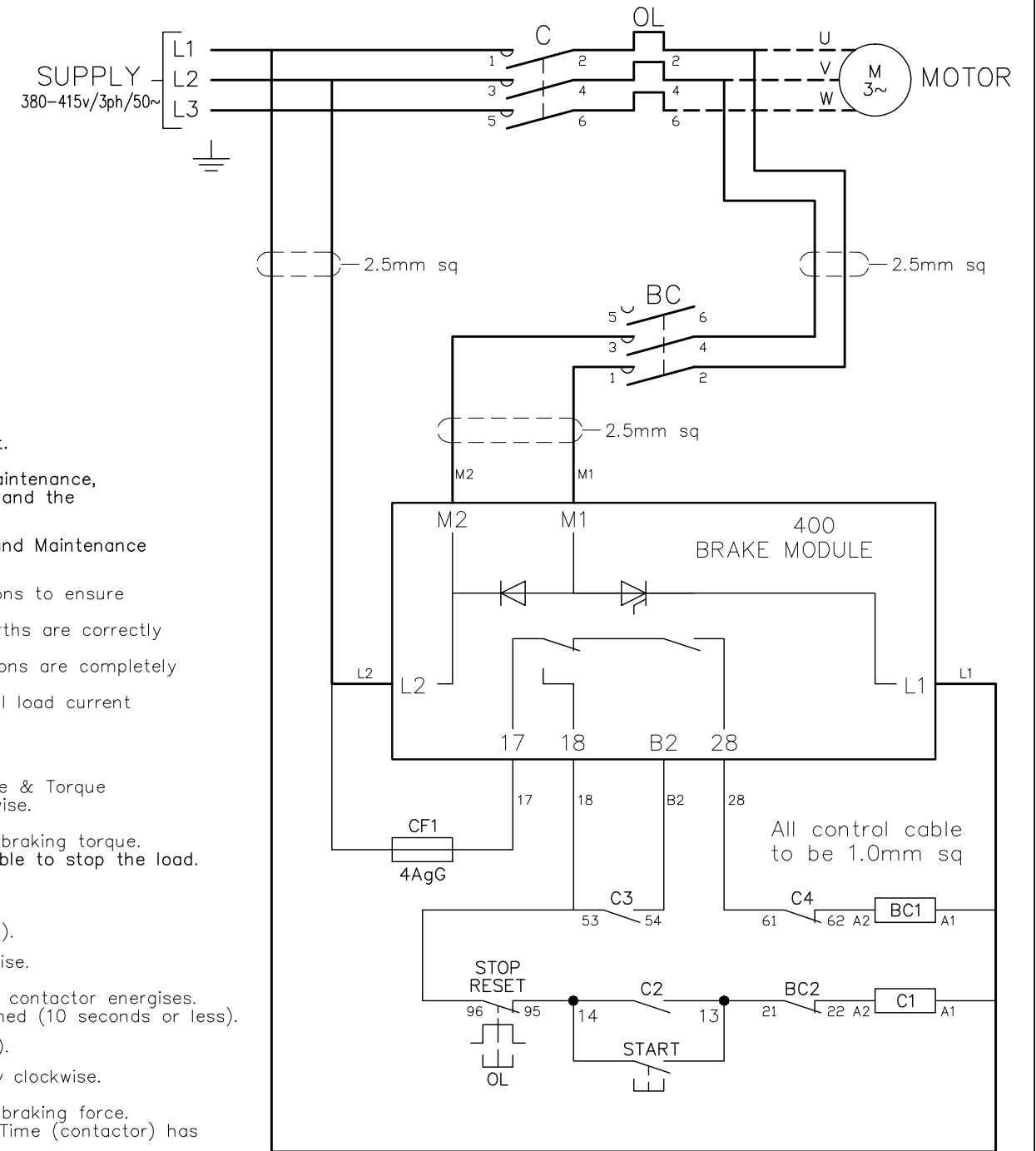
1. From minimum, turn the Braking Pot slightly clockwise.
2. Power the motor.
3. Stop the motor and check the time that the brake contactor energises.
4. Repeat steps 1 - 3 until the required time is reached (10 seconds or less).

B Braking Torque Setting (0-100% = approx 160V DC).

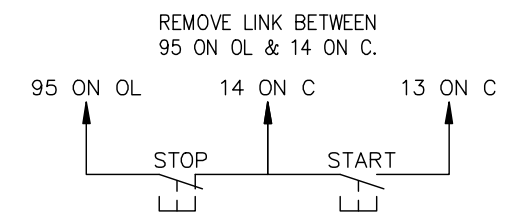
1. From minimum, turn the Braking Torque Pot slightly clockwise.
2. Power the motor.
3. Stop the motor and check the performance of the braking force.
4. If the motor continues to rotate after the Braking Time (contactor) has elapsed, repeat steps 1 - 3.

The motor should be completely stopped just before the brake contactor de-energises.

When the motor has reached operating temperature, check A & B and re-adjust if required.



REMOTE CONNECTIONS



ISO 9001, QUALITY IS YOUR RESPONSIBILITY, IF IN DOUBT ASK.

MATERIAL	TITLE
FINISH	

DC INJECTION BRAKE STARTER

RECORDED ISSUE No.		
DRN M.Kilner	CKD MK	APPD DRS
DATE 14/04/10	SCALE	

All mains wiring BLACK
All a.c. control wiring RED
All d.c. control wiring BLUE
As EN60204 Part 1.
Unless otherwise stated.

CURRENT REVISION No	ALT
	CKD
	DATE



DRAWING NUMBER
A3/3DCM1-S/LK