WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE RED - AC CONTROL X - DRIVE TERMINAL WHITE - AC GROUNDED - CUSTOMER TERMINAL CIRCUIT CONDUCTOR
BLUE - DC CONTROL GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND GRN / \neg 4T1 (L1) (T1) 2T1 4T2 (L2) (T2) 2 * AC MOTOR 1 *CUSTOMER (U1) (U2) 4L1 F16A 5L1 L1/R/91 BLK 2L1 VLT (L1) (T1) 1T1 (L1) T1 INPUT SUPPLIED T1/U/96 (V1) (V2) 4L2 |F16B| 5L2 |L2/S/92 POWER ADJUSTABLE FREQUENCY (L2) (T2) 1T2 (L2) T2 2T2 FEEDER L2 BLK 2L2 T2/V/97 3 PH, 600V, (W1) (W2) 4L3 ||F16B|| 5L3 ||L2/5/92 || (W1) (W2) 4L3 ||F16C|| 5L3 ||L3/T/93 || DRIVE 2T3 (L3) (T3) 1T3 (L3) T3 CIRCUIT BLK 2L3 4T3 (L3) (T3) PROTECTION T3/W/98 (AFD) 60Hz (SEE NOTE 3) CB1 INPUT DRIVE INPUT FUSES CIRCUIT REACTOR BREAKER (L1) (T1) (L2) (T2) (L1) (T1) 3T1 (L1) T1 (L2) (T2) 3T2 (L2) T2 *AC MOTOR 2 EARTH GROUND GRN (L3) (T3) (L3) (T3) 3T3 (L3) 163 RED 100 WHT -| F12 |-X2 X3 250V 115VAC T2 (12) 5 (11) TS1 HEATER (SET: 65° F) CR6 167 (9) (5) (2) FAN 1 (SET: 80° F) (23) (24) TB2 TS1 TO SHEET 2 TO SHEET 2

WARNING!
THE FOLLOWING TABLE LISTS THE PARAMETERS THAT
ARE SET DIFFERENT FROM THE DRIVE DEFAULT SETTINGS.
ADDITIONAL PARAMETER SETTINGS MAY BE REQUIRED
FOR YOUR APPLICATION.

DRIVE PARAMETER SETTINGS

PARAMETER #	NAME	SETTING	VALUE
0-02	MOTOR SPEED UNIT	1	HZ
0-03	REGIONAL SETTINGS	1	NORTH AMERICA
1-03	TORQUE CHAR.	3	AUTO ENERGY OPTIM VT
5-02	TERMINAL 29 TYPE	1	OUTPUT
5-31	TERMINAL 29	5	RUNNING
14-20	RESET MODE	13	INFINITE AUTO REST

NOTES:

1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.

3. FEEDER CIRCUIT PROTECTION, INPUT POWER AND MOTOR WIRING MUST BE SELECTED IN ACCORDANCE WITH THE N.E.C., ANY APPLICATION LOCAL CODES AND THE LOAD CURRENT RATING.

4. REPLACE JUMPER 'J1' WITH NORMALLY CLOSED SAFETY INTERLOCK CONTACT AS NECESSARY. CONTACT MUST BE RATED 1/4 HP @ 120VAC MINIMUM.

5. PANEL MAY REQUIRE DERATING, CONSULT DRIVE MANUAL OR FACTORY FOR FOLLOWING CONDITIONS:

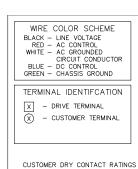
5.1. HIGHER SWITCHING FREQUENCY THAN DRIVE DEFAULT

5.2. HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES

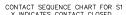
5.3. ELEVATION ABOVE 3300 FEET (1000 METERS)

5.4. LONG MOTOR LEAD LENGTHS

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DR SP10076 09/10 IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL APR APR APROPERTY OF DISCLOSED.	75 000 1 0 5 0 0 7 1 7
REV ECN DATE TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES DATE AND SHALL BE RETURNED UPON REQUEST.	EA No. 185B0/43



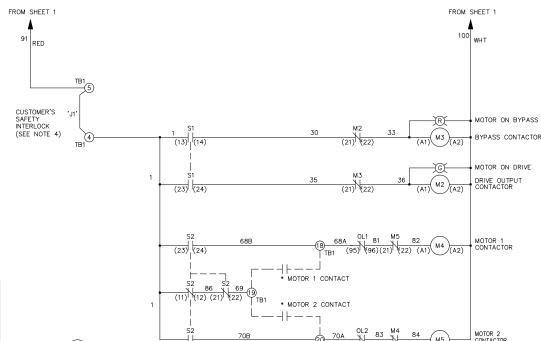
RELAY	CONTACT RATING	
CR6	5A @ 120VAC 1/10 HP @ 120VAC	
M2, M3, M4, M5	10A @ 120/240VAC	

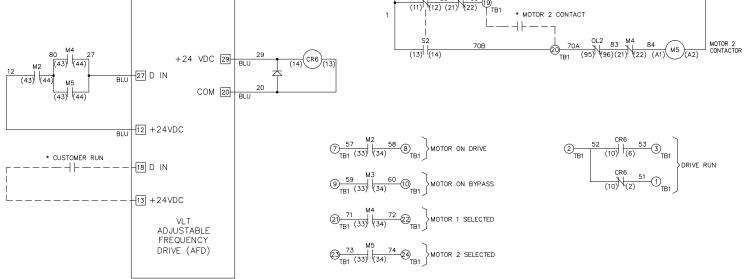


A INDICATES CONTACT CEOSED			
DRIVE	OFF	BYPASS	
		Χ	
Χ			
	DRIVE	DRIVE OFF	

CONTACT SEQUENCE CHART FOR S2

X INDICATES CONTACT CLOSED			
POSITION			
CONTACT	MOTOR 1	AUTO	MOTOR 2
11-12	X	 X	
13-14			Χ
21-22		X	X
23-24	Х		





В		
Α	SP10119	11/10
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DRN	NAME
D TM	
	,3MB,IR
APR	, , , , , , , , , , , , , , , , , , , ,

DTM

NEMA 3R,600V,2C ,MAIN CB ,DRIVE FUSE R,CONTACT MOTOR SELECT,1 FAN



MODEL VLT