WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE RED - AC CONTROL - DRIVE TERMINAL WHITE - AC GROUNDED - CUSTOMER TERMINAL CIRCUIT CONDUCTOR
BLUE - DC CONTROL GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND GRN / \* AC MOTOR 1  $\mathcal{T}$ OL1 (SEE NOTES 6) 4T1 (L1) M2 (T1) 2T1 \*CUSTOMER 1T1 (L1) \_\_\_\_\_\_T1\_ 5L1 L1/R/91 VLT INPUT SUPPLIED T1/U/96 [F16A] -TF18AT-5L2 POWER ADJUSTABLE FREQUENCY \_0 \ 3L2 4T2 (L2) (T2) 1T2 (L2) T2 FEEDER BLK 2L2 -[F18B] 3 PH, 600V, L2/S/92 T2/V/97 DRIVE |F16B| 5L3 | L2/5/92 | |F16C| 5L3 | L3/T/93 1T3 (L3) T3 CIRCUIT BLK 2L3 3L3 4T3 (L3) (T3) DS2 PROTECTION `~^ T3/W/98 -TF18CT-(AFD) 60Hz (SEE NOTE 3) CB1 DRIVE INPUT FUSES DRIVE CIRCUIT \*AC MOTOR 2 DISCONNECT BREAKER (L1) (T1) (L2) (T2) OL2 (SEE NOTES 6) 3T1 (L1) T1 3T2 (L2) T2 EARTH GROUND GRN [F19A] F19B (L3) (T3) 3T3 (L3) -[F19C] 163 RED 100 WHT - F12 X2 X3 250V 115VAC T2 (12) (4) HEATER (SET: 65° F) (12) 5 (11) TS1 CR6 167 1 (9) (5) 7)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.	1	VARIABLE TORQUE
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
- 6. WHEN MOTOR OVERLOADS SIZES ARE DIFFERENT, MOTOR 1 WILL BE THE LARGER OF THE TWO MOTORS

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, SMB1, DUAL MUTUR, I FAIN	119   11/10   THE	SP10119	А
DR SP10076 09/10 IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL APR MODEL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED APR	076   09 /10   IN A	SP10076	DR
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WIRE COLOR SCHEME
BLACK - LINE VOLTAGE
RED - AC CONTROL
WHITE - AC GROUNDED

WHITE — AC GROUNDED
CIRCUIT CONDUCTOR
BLUE — DC CONTROL
GREEN — CHASSIS GROUND

### TERMINAL IDENTIFCATION

X - DRIVE TERMINAL

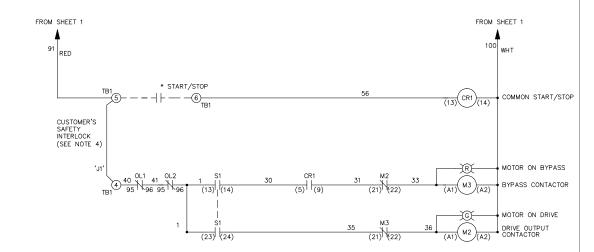
CUSTOMER TERMINAL

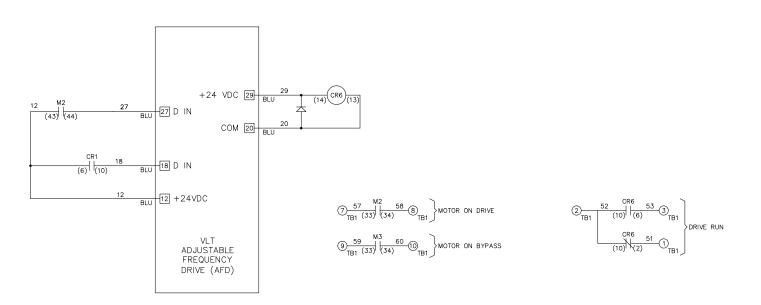
### CUSTOMER DRY CONTACT RATINGS

RELAY	CONTACT RATING
CR1, CR6	5A @ 120VAC 1/10 HP @ 120VAC
M2, M3	10A @ 120/240VAC

#### CONTACT SEQUENCE CHART FOR S1 X INDICATES CONTACT CLOSED

X INDICAT	E2 CON	ACT CLC	SED
POSITION			
CONTACT	DRIVE	OFF	BYPASS
13-14			Χ
23-24	Χ		





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Α	SP10119	11/10
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REV	ECN	DATE

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DTM

NAME NEMA 3R,600V,2C ,MAIN CB, DRIVE DISC, DRIVE FUSE ,3MB1,DUAL MOTOR,1 FAN



MODEL VLT PAGE 2 OF 2 SIZE A DWG 1858081