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  $\neg$ \* AC MOTOR OL 4T1 (L1) M2 (T1) 2T1 \*CUSTOMER L1 (L1) (T1) 5L1 L1/R/91 VLT (L1)<sub>XX</sub> T1 INPUT SUPPLIED T1/U/96 -[F16B] 5L2 [F16A] POWER ADJUSTABLE FREQUENCY BLK 2L2 4T2 (L2) (T2) (L2) T2 BRANCH L2 (L2) (T2) 3L2 T2/V/97 3 PH, 600V, L2/S/92 DRIVE (L3)<sub>C</sub> T3 CIRCUIT L3 (L3) (T3) BLK 2L3 4T3 (L3) (T3) T3/W/98 PROTECTION (AFD) 60Hz (SEE NOTE 3) DRIVE INPUT FUSES DRIVE MAIN DISCONNECT DISCONNECT (L1) (T1) (L2) (T2) EARTH GROUND GRN (L3) (T3) 163 RED 100 WHT -| F12 |-X2 X3 250V 115VAC T2 (12) 5 (11) TS1 HEATER (SET: 65°F) CR6 167 1 (SET: 80° F) (9) (5) (23) (24) TB2 TS1

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. BRANCHCIRCUIT 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:

TO SHEET 2

- 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 , SIND, SINGLE MOTOR, I FAIN	Janjuoo
DI SI 10070 09710 NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED A MODEL 4 0 SIZE A DWG 1 OF D	
REV ECN DATE TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES DIVES	ZU/56

WIRE COLOR SCHEME BLUE - DC CONTROL

GREEN - CHASSIS GROUND

BLUE - DC CONTROL

GREEN - CHASSIS GROUND

## TERMINAL IDENTIFCATION

X - DRIVE TERMINAL

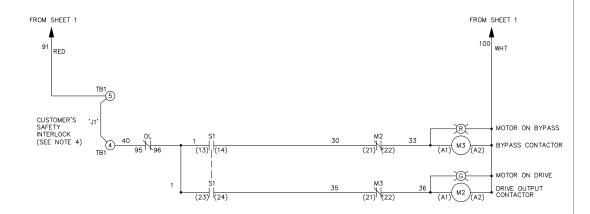
 $\overline{\otimes}$ - CUSTOMER TERMINAL

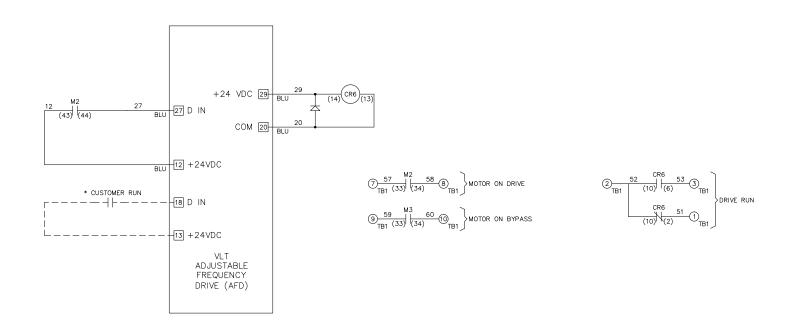
#### CUSTOMER DRY CONTACT RATINGS

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

# CONTACT SEQUENCE CHART FOR S1 X INDICATES CONTACT CLOSED

A HIDIOTTES CONTINUT GEOGED				
POSITION				
CONTACT	DRIVE	OFF	BYPASS	
13-14			Χ	
23-24	Χ			





В		
Α	SP10119	11/10
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REV	ECN	DATE

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DRN	NAME
D TM	,∧
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DTM

NEMA 3R,600V,2C MAIN & DRIVE DISC, DRIVE FUSE ,3MB,SINGLE MOTOR,1 FAN



MODEL PAGE <u>2</u> OF <u>2</u> VLT