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 /  $\neg$ \* AC MOTOR OL 4T1 (L1) M2 (T1) 2T1 \*CUSTOMER \_L1\_(L1)\_\\_\_(T1) BLK 2L1 5L1 L1/R/91 VLT (L1)<sub>XX</sub>\_T1\_ INPUT SUPPLIED T1/U/96 -[F16B] 5L2 [F16A] POWER ADJUSTABLE FREQUENCY BLK 2L2 \_0 \\_\_\_3L2 4T2 (L2) (T2) (L2) T2 \_ \_ \_ \_ BRANCH L2 (L2) (T2) T2/V/97 3 PH, 600V, L2/S/92 DRIVE (L3)X\_T3\_\_ CIRCUIT L3 (L3) (T3) BLK 2L3 3L3 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 HEATER (SET: 65° F) (12) (4) (12) 5 (11) TS1 CR6 167 (1) 2)FAN 1 (SET: 80°F) (9) (5) (23) (24) TB2

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

1. \* INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

- REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- 3. BRANCH 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.

TS1

TO SHEET 2

- 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
- HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- 5.3. ELEVATION ABOVE 3300 FEET (1000 METERS)
- 5.4. LONG MOTOR LEAD LENGTHS

В	CD10110	11 /10	- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES, IT IS LOANED BY DANFOSS DRIVES SUBJECT TO THE CONDITIONS THAT IT AND	DRN D TM	NAME		EMA 3R,600V,2C DRIVE DISC, DRIV		Danfoss
DR	SP10119	09/10	THE INFORMATION EMBODIED THEREIN SHALL BE USED ONLY FOR RECORD AND REFERENCE PURPOSES, SHALL NOT BE USED OR CAUSED TO BE USED IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL	APR			SINGLE MOTOR,1		
REV	ECN	DATE	NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	DTM	MODEL	VLT	PAGE <u>1</u> OF <u>2</u>	SIZE DWG 1 (	35B0762

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

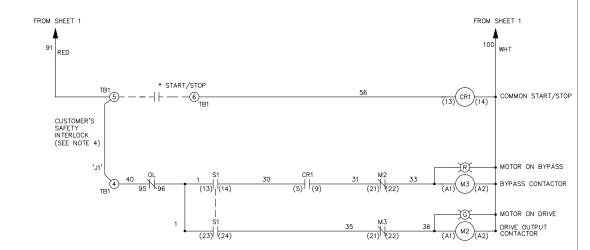
CUSTOMER TERMINAL

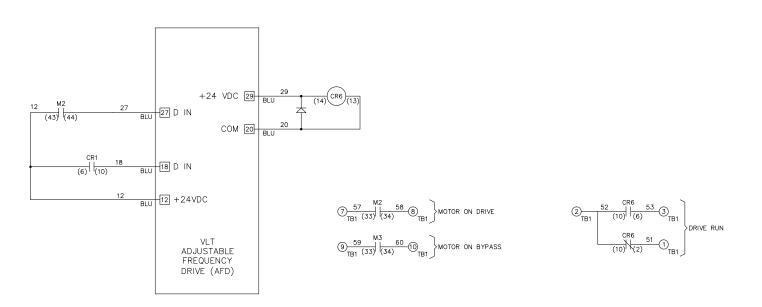
## CUSTOMER DRY CONTACT RATINGS

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 INDICATES CONTACT CLOSED			
POSITION			
CONTACT	DRIVE	OFF	BYPASS
13-14			Χ
23-24	Χ		





В		
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DTM

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

,3MB1,SINGLE MOTOR,1 FAN

MODEL VLT PAGE 2 OF 2 SIZE

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