WIRE COLOR SCHEME TERMINAL IDENTIFICATION BLACK - LINE VOLTAGE RED - AC CONTROL X - DRIVE TERMINAL WHITE - AC GROUNDED X - 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) | (T1) 3L1 (U1) (U2) 4L1 | F16A| 5L1 | L1/R/91 L1 (L1) (T1) 1L1 BLK [F15A] 2L1 VLT (L1)_{XX} T1 INPUT SUPPLIED T1/U/96 POWER (L2) (T2) 3L2 (V1) (V2) 4L2 [F16B] 5L2 L2/S/92 ADJUSTABLE FREQUENCY L2 (L2) (T2) 1L2 BLK F15B 2L2 4T2 (L2) (T2) (L2) T2 FEEDER T2/V/97 3 PH, 240V, (L3) (L3) (X3) 3L3 (W1) (W2) 4L3 (F16C) 5L3 L3/T/93 DRIVE (L3)_C T3 L3 (L3) (T3) 1L3 BLK ||F15C|| 2L3 CIRCUIT 4T3 (L3) (T3) PROTECTION T3/W/98 (AFD) 60Hz (SEE NOTE 3) INPUT DRIVE INPUT FUSES MAIN MAIN DISCONNECT **FUSES** REACTOR (L1) (T1) (L2) (T2) EARTH GROUND GRN (L3) (T3) 163 RED X2 100 WHT -| F12 |-115VAC CR6 (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

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.

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 WRING 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

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

В			- NOTICE - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DANFOSS DRIVES.	DRN	NAME	N	EMA 3R,240V,3C			- Les
А	SP10119	11/10	IT IS LOANED BY DANFOSS DRIVES SUBJECT TO THE CONDITIONS THAT IT AND THE INFORMATION EMBODIED THEREIN SHALL BE USED ONLY FOR RECORD AND REFERENCE PURPOSES, SHALL NOT BE USED OR CAUSED TO BE USED	DIM		•	SC, MAIN & DRI		=	Janjuss
DR	SP10076	09/10	IN ANY WAY PREJUDICIAL TO THE INTERESTS OF DANFOSS DRIVES, SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, OR DISCLOSED	APR	MODEL	,31111111,11	R,SINGLE MOTOR _. T	, I FAN	DWC 4	
REV	ECN	DATE	TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST.	D TM	MODEL	VLT	PAGE <u>1</u> OF <u>2</u>	SIZE	NO. 18	5B041/

WIRE COLOR SCHEME
BLACK - LINE VOLTAGE
RED - AC CONTROL
WHITE - AC GROUNDED
CIRCUIT CONDUCTOR

CIRCUIT CONDUCTOR
BLUE - DC CONTROL
GREEN - CHASSIS GROUND

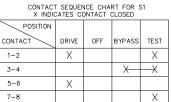
TERMINAL IDENTIFCATION

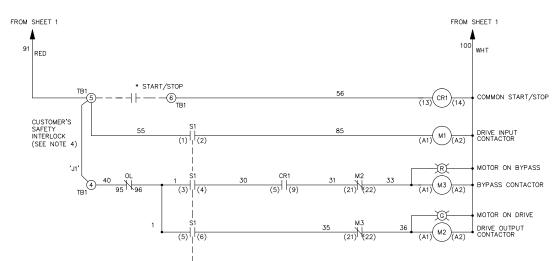
X - DRIVE TERMINAL

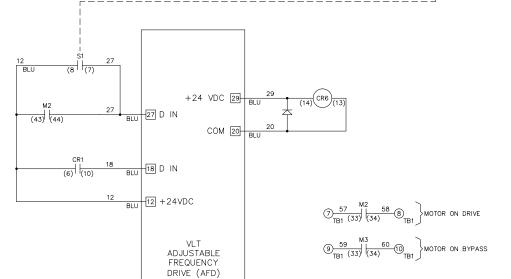
CUSTOMER TERMINAL

CUSTOMER DRY CONTACT RATINGS

RELAY	CONTACT RATING		
CR1, CR6	5A @ 120VAC 1/10 HP @ 120VAC		
M1, M2, M3	10A @ 120/240VAC		







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DRN	DTM

DTM

NEMA 3R,240V,3C , MAIN DISC, MAIN & DRIVE FUSE ,3MB1,IR,SINGLE MOTOR,1 FAN

Danfoss

MODEL VLT

NAME

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