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 4T1 (L1) M2 (T1) 2T1 *CUSTOMER L1 (L1) (T1) 1L1 BLK [F15A] 2L1 3L1 (U1) (U2) 4L1 (F16A) 5L1 L1/R/91 VLT INPUT SUPPLIED T1/U/96 3L2 (V1) (V2) 4L2 (F16B) 5L2 (L2/S/92 POWER ADJUSTABLE FREQUENCY L2 (L2) (T2) 1L2 BLK | F15B| 2L2 4T2 (L2) (T2) 2T2 FEEDER T2/V/97 3 PH, 208V, 3L3 (W1) (W2) 4L3 ||F16C|| 5L3 ||L2/5/92 ||L3/T/93 || DRIVE L3 (L3) (T3) 1L3 BLK ||F15C|| 2L3 CIRCUIT 4T3 (L3) (T3) PROTECTION T3/W/98 (AFD) 60Hz (SEE NOTE 3) INPUT DRIVE INPUT FUSES DRIVE MAIN MAIN DISCONNECT DISCONNECT FUSES REACTOR (L1) (T1) (L2) (T2) EARTH GROUND GRN (L3) (T3) H2 H3 H4)

100 WHT

HEATER (SET: 65° F)

2)FAN 1 (SET: 80°F)

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.

* AC MOTOR

OL

(L1)_{XX}_T1_

(L2) T2 _ _ _ _

1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

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

163 RED X3

115VAC

CR6

(9) (5)

167

-| F12 |

250V

TO SHEET 2

(12) 5 (11) TS1

(23) (24)

TS1

- 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
- 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 | | 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 | Ν | EMA 3R,208V,2C | - lu |
|-----|---------|-------|--|------|--------|------------|-------------------------------|---------|
| 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 | D TM | ,M⊅ | | É DISC, MAIN & DRIVE FUSE | Janjuos |
| 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 | ,314151,11 | R,SINGLE MOTOR,1 FAN | |
| REV | ECN | DATE | TO ANYONE WITHOUT THE DIRECT WRITTEN PERMISSION OF DANFOSS DRIVES AND SHALL BE RETURNED UPON REQUEST. | D IM | WIODEL | VLT | PAGE 1 OF 2 SIZE A NO. 18 | 28011/ |

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

CIRCUIT CONDUCTOR
BLUE - DC CONTROL
GREEN - CHASSIS GROUND

TERMINAL IDENTIFCATION

- DRIVE TERMINAL

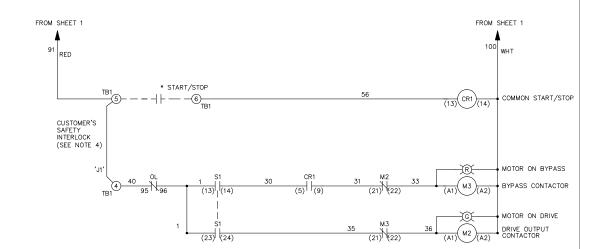
- CUSTOMER TERMINAL

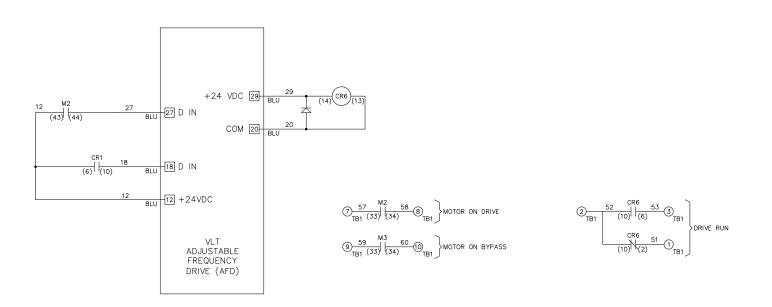
CUSTOMER DRY CONTACT RATINGS

| 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 | | | | | |
|----------------------------|-------|-----|--------|--|--|
| POSITION | | | | | |
| CONTACT | DRIVE | OFF | BYPASS | | |
| 13-14 | | | Χ | | |
| 23-24 | X | | | | |





| В | | |
|-----|---------|-------|
| Α | SP10119 | 11/10 |
| DR | SP10076 | 09/10 |
| REV | ECN | DATE |

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| | DRN | |
|---|-----|------|
|) | | D TM |
| | | |

DTM

NEMA 3R.208V.2C NAME ,MAIN & DRIVE

| A 311,200 v,20 | |
|-------------------------|---------|
| DISC, MAIN & DRIVE FUSE | Danjoss |
| SINGLE MOTOR,1 FAN | |

1

,3MB1,IR,SINGLE MOTOR,1 FAN

VLT PAGE 2 OF 2 SIZE NO. 18580117 MODEL VLT