

PARTS LIST

ITEM#	QTY	DESCRIPTION	PART NUMBER	MANUFACTURER
1	1	FUSE DISCONNECT, 600V, (SEE FUSING TABLE), WITH FUSES (3)	PER CONTACTOR SIZE	BUSSMAN
2	3	FUSE, 2A, 500VAC	FNQ-2	BUSSMAN
3	1	INDUSTRIAL CONTROL TRANSFORMER 480-120VAC	9070T200D1	SQUARE D
4	2	FUSE, 2A, 250VAC	FNM-2	BUSSMAN
5	1	SSAC PHASE MONITOR RELAY	HLMUDRAAA	LITTLEFUSE
6	1	CONTACTOR KIT (SIZE 5)	509-EOD-xxx-x52	ALLEN BRADLEY
7	1	SIZE 5 CONTACTOR	500F-FOD-930	ALLEN BRADLEY
8	3	EXTERNAL CURRENT TRANSFORMERS	SP250MQMJ250VA	HPS
9	1	OVERLOAD RELAY	193-1EFKZ	ALLEN BRADLEY
10	2	SINGLE POLE DT RELAY 24VDC, 10A	RH1B-ULDC24V	IDEC
11	2	AUXILIARY CONTACTS FOR 509 CONTACTORS NEMA SIZE 0-5, 1 N.O., SERIES B	595-A/B	ALLEN BRADLEY
12	1	COIL-LOCK 3 TO 7.9 OHMS	1003-120V	POSI
13	1	RELAY, SPDT, 120VAC	RH1B-ULAC120V	IDEC
14	3	SOCKET, FOR RH1B RELAYS DIN RAIL MOUNT	SH1B-05	IDEC
15	1	SURGE TEC, 48-62HZ 650V MAX, SECONDARY SURGE ARRESTER	Z3-650-3	MACLEAN PWR SYS

OXY ORCM FUSING GUIDE

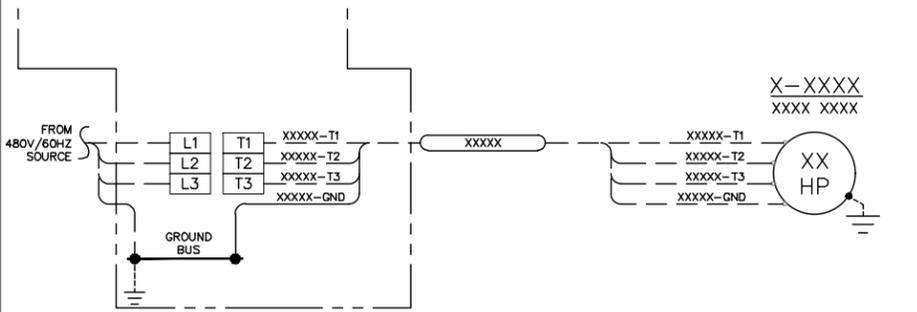
NEMA STARTER SIZE	MOTOR HP	MOTOR DISC SIZE	MOTOR FUSE SIZE	MOTOR FUSE TYPE
5	125	225	200	LPS-RK
	150	400	200	LPS-RK
	200	400	350	LPS-RK

OXY ORCM O.L. GUIDE

NEMA STARTER SIZE	MOTOR HP	NEC MOTOR FLA	TRIP CURRENT SELECTION	TRIP CLASS SELECTION
5	125	156	179.4	AUTO/CLASS 20
	150	180	207	AUTO/CLASS 20
	200	240	276	AUTO/CLASS 20

LITTLEFUSE HML SERIES RELAYS

SETTING	RANGE OF ADJUSTMENT	SET POINTS	UNITS
RESTART DELAY	0.6-300	180	SECONDS
V LINE	200-480	480	VOLTS
UNBALANCE	2-10	10	PERCENT
TRIP DELAY	1-30	10	SECONDS



- NOTES:**
- REMOVE JUMPER BETWEEN TERMINALS 4 & 5 IF ESD RELAY (R1) IS USED.
 - REMOVE JUMPER BETWEEN TERMINALS 1 & 2 IF REMOTE LOCKOUT SWITCH WILL BE UTILIZED TO ENABLE OR DISABLE STARTER.
 - REMOVE JUMPER BETWEEN TERMINALS 2 & 3 IF REMOTE SWITCH WILL NOT BE USED TO ENABLE OR DISABLE THE STARTER.
 - FUSES SHALL BE LPSRK TYPE, AND THE CAPACITY SHALL BE SELECTED FROM THE OXY ORCM ELECTRICAL FUSING GUIDE.
 - INSTALLED BY PANEL FABRICATION SHOP.

ENGINEERING AND DESIGN
TEXAS REGISTERED
ENGINEERING FIRM 4088

HPI
CONSULTANTS, INC.

MIDLAND, TEXAS

SIZE-5 STARTER
SCHEMATIC
OXY

REV. 0 | SCALE: NO SCALE | JOB NO. | FILE: | DRAWN BY: | DATE: 2/6/24 | 1/3/24

NO. | REVISION/ISSUE | BY | CHK. | REVIEW/APPR. | DATE | DWG. NO. | REFERENCE DRAWINGS

1 | REVISED FOR REFERENCE | ML | JG | ML | 2/6/24

0 | FOR REFERENCE | ML | 1/3/24