

Meiko USA
 1349 Heil Quaker Blvd.
 Lavergne, TN 37086
 800-868-3840

WIRING DIAGRAM

Model Number : FV40.2 ENERGY STAR
 Voltage : 208V-240VAC 60Hz
 Phase : 3 Phase

Released For Production : 08/10/2010
 Editor : LS

FOR USE WITH THE FOLLOWING OPTIONS:

- INTERNAL CHEMICAL DOSING PUMPS
- DRAIN WATER TEMPERING KIT
- POWER CORD KIT
- INTEGRATED REVERSE OSMOSIS - INTERNAL (IO)
- INTEGRATED REVERSE OSMOSIS - EXTERNAL (RO)

RELEASE FOR PRODUCTION	04/01/2005	LST	
RELEASE ON SUPPLY	04/01/2005	LST	
LAST DRAWER	12/29/2011	SZ	
REVISION	12/29/2011	SZ	V1

WIRING DIAGRAM



FV40.2 USA ENERGY STAR
 208V - 240V 3 PH+G 60Hz
 COVER PAGE

9660150
 FV40.2

INPUT / OUTPUT ALLOCATION TABLE

LEVEL	INPUT / OUTPUT	ASSIGNMENT	CONNECTION
2-2	INPUT 1	S1: DOOR MONITORING SWITCH	XA6 1/9
2-2	INPUT 2	S2: BOOSTER LEVEL SWITCH	XA6 2/10
2-2	INPUT 3	S3: FLOOR LEAKAGE SWITCH	XA6 3
2-2	INPUT 4		XA6 4/12
2-2	INPUT 5		XA6 5/13
2-2	INPUT 6		XA6 6/14
2-2	INPUT 7	B4: HALL-SENSOR DETERGENT DOSING	XA6 7/15
2-2	INPUT 8		XA6 8/16
2-2	INPUT 9	FSK: RINSE AID LEVEL (OPTION)	XA4 1/2
2-2	INPUT 10	FSR: DETERGENT LEVEL (OPTION)	XA4 3/4
2-2	INPUT 11		XA4 5/6
2-2	INPUT 12		XA4 7/8
2-2	INPUT 22		XA4 9/10
2-2	INPUT 19	B1: BOOSTER TEMPERATURE SENSOR	XA5 1/2
2-2	INPUT 20	B2: TANK TEMPERATURE SENSOR	XA5 3/4
2-2	INPUT 21	B3: TANK LEVEL	XA10 1/2/3
2-3	OUTPUT 1	M1: WASH PUMP (WP)	XA1 4
2-3	OUTPUT 2	M2: BOOST-PUMP (DSP)	XA1 5
2-3	OUTPUT 3	M5: DRAIN PUMP (LP)	XA1 6
2-3	OUTPUT 4	M3: RINSE AID DOSING (KP)	XA2 2
2-3	OUTPUT 5	M4/Y4: DETERGENT DOSING (RP)	XA2 7
2-3	OUTPUT 6	K3: POWER CUTTING CONTACTOR	XA2 9
2-3	OUTPUT 7	Y1: FILLING VALVE	XA3 1
2-3	OUTPUT 8	Y2: SOFT START VALVE	XA3 2
2-3	OUTPUT 9	K1.1/K1.2: BOOSTER HEATING CONTACTOR	XA3 3
2-3	OUTPUT 10	K2: TANK HEATING CONTACTOR	XA3 4
2-3	OUTPUT 11		XA3 5
2-3	OUTPUT 12		XA3 6

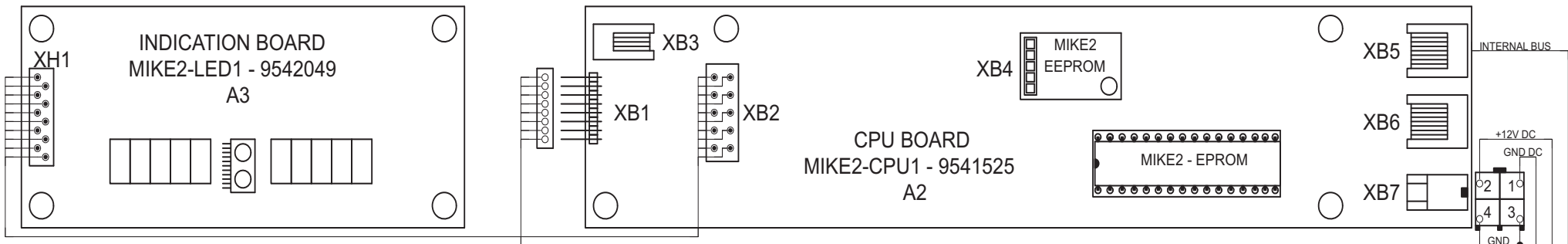
RELEASE FOR PRODUCTION	02/10/2009	LST	
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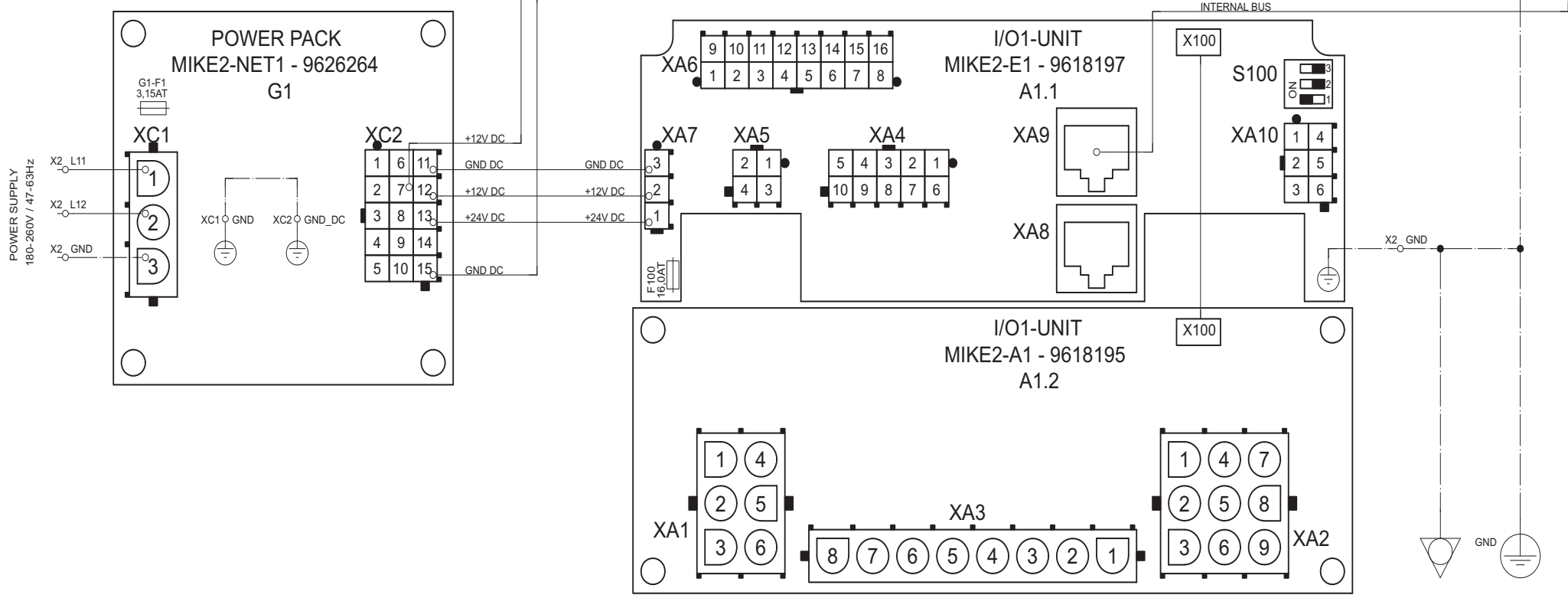


FV40.2 / FV40.2G ENERGY STAR
208V - 240V 3 PH+G 60Hz
ALLOCATION TABLE

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FV40.2 / FV40.2G



TOUCH PANEL 9207357



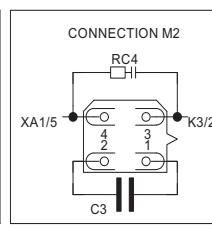
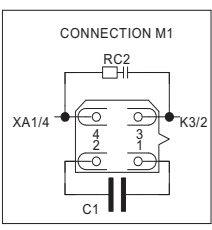
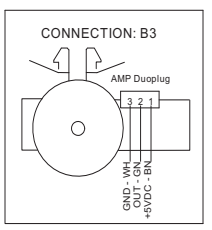
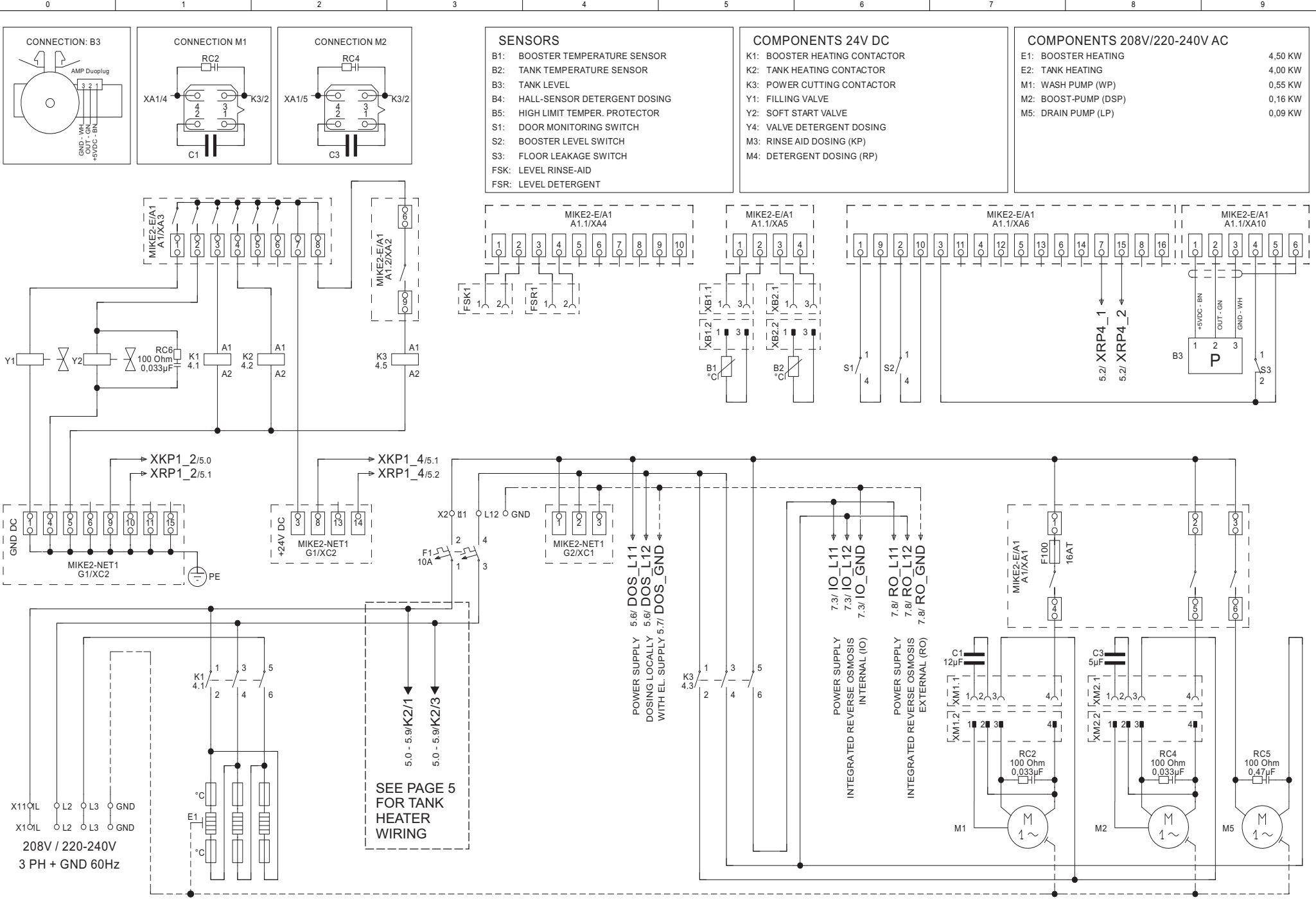
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WIRING DIAGRAM



FV40.2 / FV40.2G ENERGY STAR
208V - 240V 3 PH+G 60Hz
CONTROL - ELECTRONIC

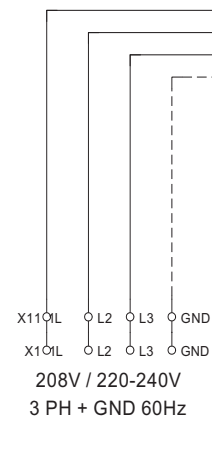
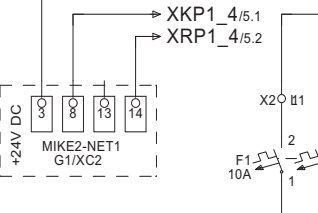
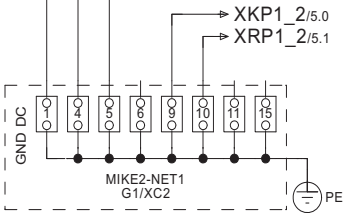
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- SENSORS**
- B1: BOOSTER TEMPERATURE SENSOR
 - B2: TANK TEMPERATURE SENSOR
 - B3: TANK LEVEL
 - B4: HALL-SENSOR DETERGENT DOSING
 - B5: HIGH LIMIT TEMPER. PROTECTOR
 - S1: DOOR MONITORING SWITCH
 - S2: BOOSTER LEVEL SWITCH
 - S3: FLOOR LEAKAGE SWITCH
 - FSK: LEVEL RINSE-AID
 - FSR: LEVEL DETERGENT

- COMPONENTS 24V DC**
- K1: BOOSTER HEATING CONTACTOR
 - K2: TANK HEATING CONTACTOR
 - K3: POWER CUTTING CONTACTOR
 - Y1: FILLING VALVE
 - Y2: SOFT START VALVE
 - Y4: VALVE DETERGENT DOSING
 - M3: RINSE AID DOSING (KP)
 - M4: DETERGENT DOSING (RP)

- COMPONENTS 208V/220-240V AC**
- E1: BOOSTER HEATING 4,50 KW
 - E2: TANK HEATING 4,00 KW
 - M1: WASH PUMP (WP) 0,55 KW
 - M2: BOOST-PUMP (DSP) 0,16 KW
 - M5: DRAIN PUMP (LP) 0,09 KW

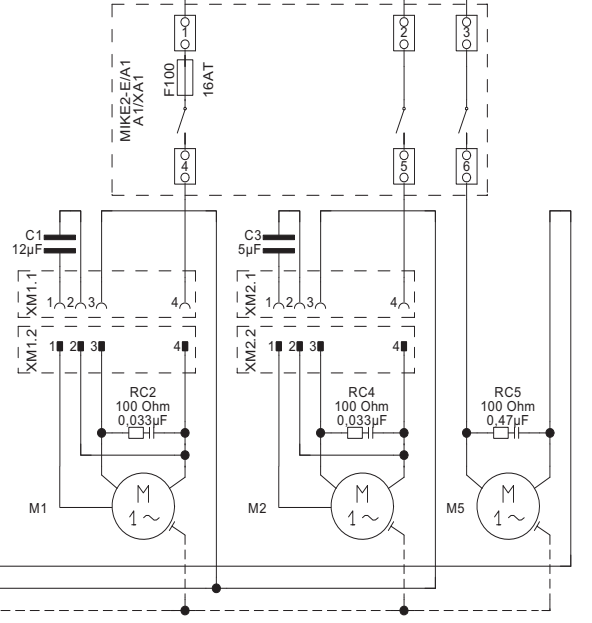


SEE PAGE 5
FOR TANK
HEATER
WIRING

POWER SUPPLY 5.6/ DOS L11
DOSING LOCALLY 5.6/ DOS L12
WITH EL. SUPPLY 5.7/ DOS_GND

POWER SUPPLY 7.3/ IO L11
INTEGRATED REVERSE OSMOSIS
INTERNAL (IO)

POWER SUPPLY 7.8/ RO L11
INTEGRATED REVERSE OSMOSIS
EXTERNAL (RO)



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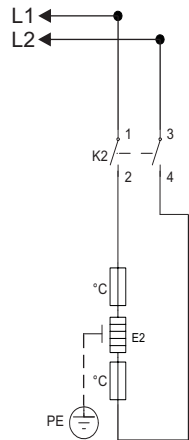
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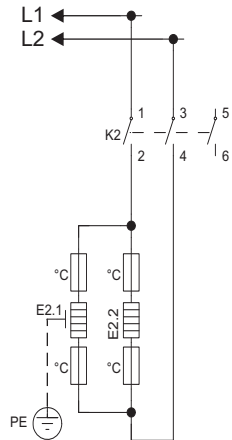
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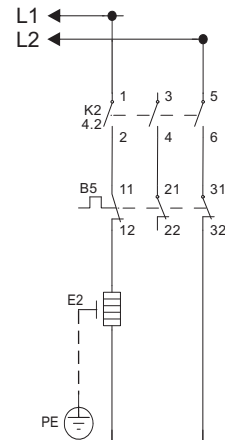
FOR UNITS WITH SERIAL NUMBER
UP TO 30002714



FOR UNITS WITH SERIAL NUMBER
BETWEEN 30002715 - 30003007



FOR UNITS WITH SERIAL NUMBER
30003008 AND ABOVE



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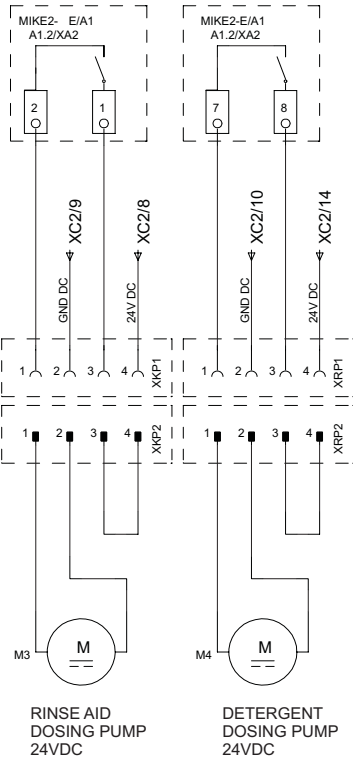


FV40.2 USA ENERGY STAR
208V - 240V 3 PH+G 60Hz
WASH TANK HEATING

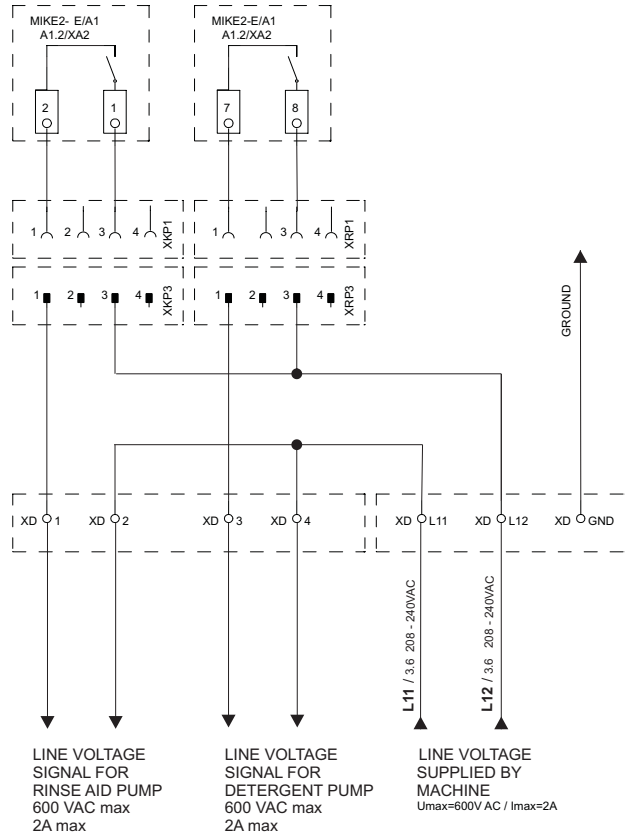
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FV40.2 / FV40.2G

INTERNAL DOSING PUMPS - 24VDC



EXTERNAL DOSING PUMPS - LINE VOLTAGE

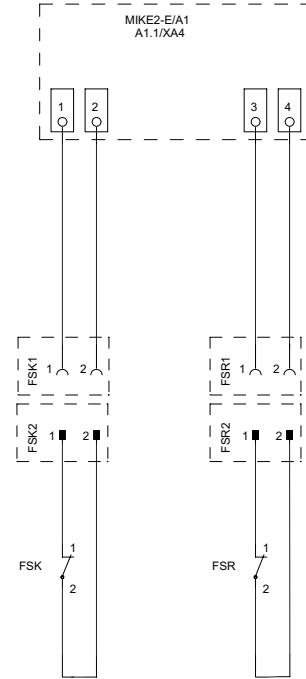


LINE VOLTAGE SIGNAL FOR RINSE AID PUMP
600 VAC max
2A max

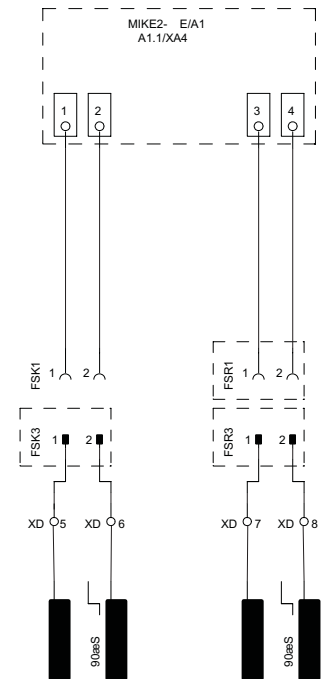
LINE VOLTAGE SIGNAL FOR DETERGENT PUMP
600 VAC max
2A max

LINE VOLTAGE SUPPLIED BY MACHINE
U_{max}=600V AC / I_{max}=2A

CHEMICAL AGENT LEVEL SENSOR (OPTIONAL)



CHEMICAL AGENT LEVEL SENSOR (OPTIONAL)



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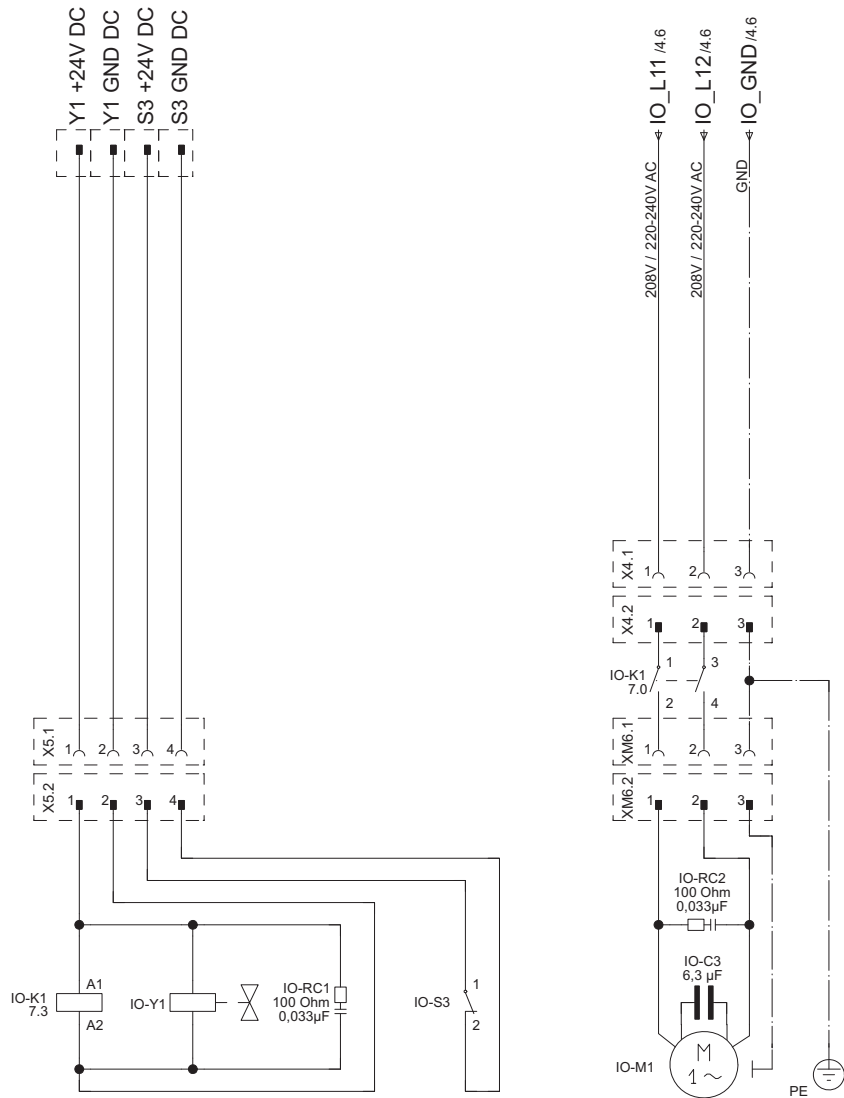


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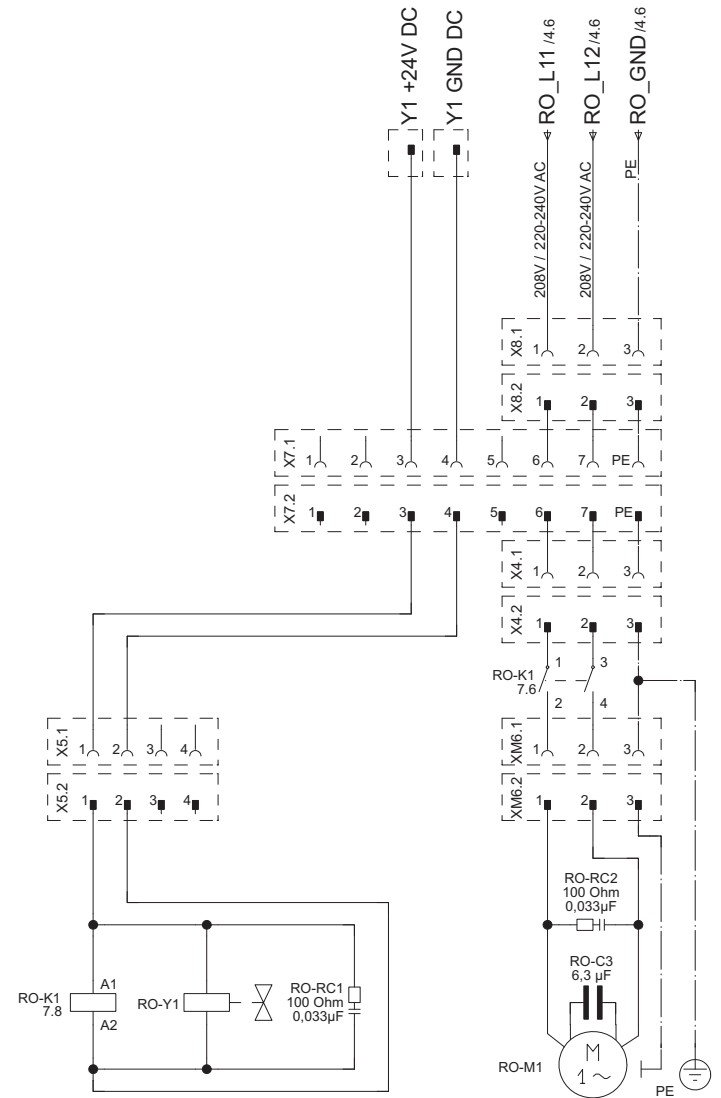
FV40.2

INTEGRATED REVERSE OSMOSIS - INTERNAL (IO)



- IO-K1: BOOST PUMP CONTACTOR
- IO-M1: BOOST-PUMP
- IO-S3: FLOOR LEAKAGE SWITCH
- IO-Y1: FILLING VALVE

INTEGRATED REVERSE OSMOSIS - EXTERNAL (RO)



- RO-K1: BOOST PUMP CONTACTOR
- RO-M1: BOOST-PUMP
- RO-Y1: FILLING VALVE

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