

ELECMARKETING

Creator: Elecmarketing company

Project name: [Booster pump - 1 DRIVE - 4 Pump](#)

Panel name: [Booster pump panel](#)

Working mode: [Mode 2 & 3](#)

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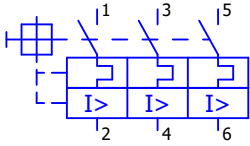
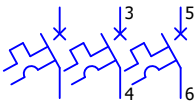
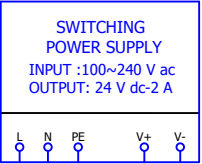
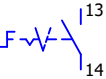
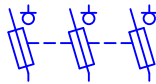
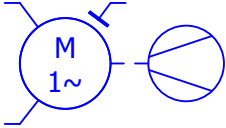
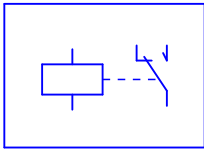
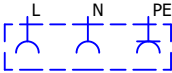
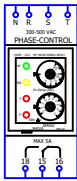
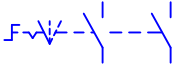
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CREATOR : Elecmarketing Group		Drawing by : B.soltani	
Page number : 1		Number of pages: 11	
Page type : Graphic	Page Description : Table of contents		Mounting panel :MCP panel
Project description: Mode 2 & 3 Boosterpump 1 DRIVE - 4 Pump	Manufacturer : Elecmarketing company		Power supply 3Phase 400 Vac/50HZ
CREATION DATE : 1403/09/20	Checked by : ENG.MOUSAVI		

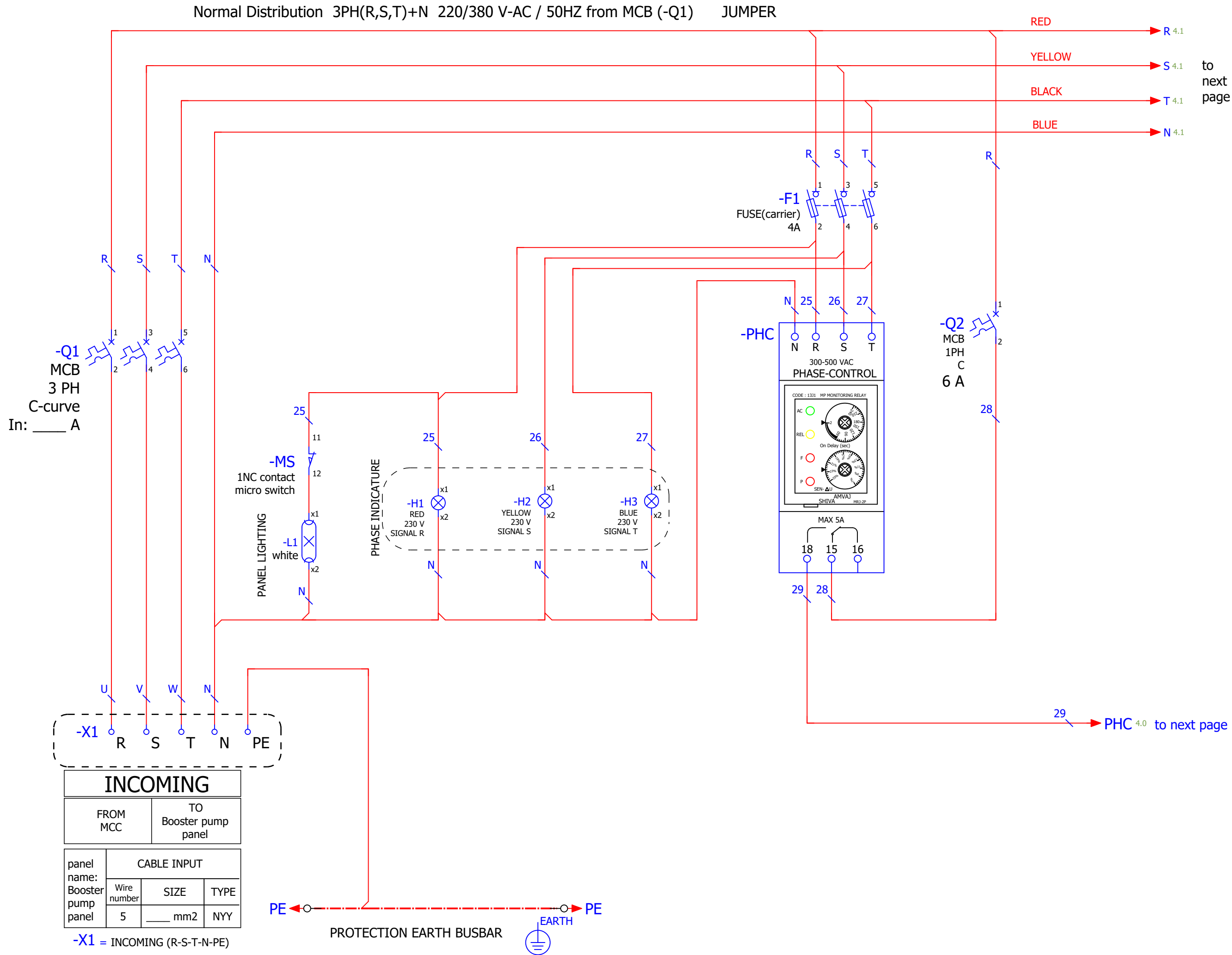


[Scan: Telegram channel](#)

Symbol table

TAG	SIGN	DESCRIPTION	SYMBOL`s NAME	TAG	SIGN	DESCRIPTION	SYMBOL`s NAME
----		Auxiliary contact of control circuit diagram NO=normaly open NC=normaly close	CONTACT	-Q		MOTOR PROTECTION CIRCUIT BREAKER کلید حفاظتی اضافه بار موتور	MPCB
-U		Booster pump automatic control panel پنل کنترل اتوماتیک برنامه بوستر پمپ	Booster panel	-Q		Miniature circuit-breaker (3ph) کلید مینیاتوری سه فاز	MCB
-PS		Switching power supply 24 Vdc منبع تغذیه 24 ولت مستقیم	POWER SUPPLY	-Q		Miniature circuit-breaker (1ph) کلید مینیاتوری تکفاز	MCB
-P		Position selector switch (manually operated)-(0/1) کلید فرمان دو حالته	SELECTOR SWITCH	-F		Modular fuse carrier (3ph) فیوز کاربرد	FUSE
-m		FAN automat temperator controller فن تهویه هوا تابلو	FAN	-R		Relays, contactors رله با کنتاکت های نرمال باز و بسته	Relay
-SOC		Internal 1ph socket پریز تابلویی	socket	-PHC		control phase protection relay رله حفاظتی کنترل فاز	PHASE CONTROL
-F		Terminal FUSE with glass fuse ترمینال فیوز	TERMINAL FUSE	-K		CONTACTOR (3ph) کنتاکتور	POWER RELAY
-H		LAMP SIGNALING چراغ سیگنال	SIGNAL	AUTO HAND		Position selector switch (AUTO HAND)-(0/1/2) کلید فرمان سه حالته دستی و اتومات	SELECTOR SWITCH
-X		TERMINAL BLOCK ترمینال ریلی تابلویی	TERMINAL	-K		COIL of contactor بویین کنتاکتور	BOIIN

NOTE : technical charactristics and current rating : according to design
توجه: مشخصات فنی و جریان نامی تجهیزات : مندرج در نقشه



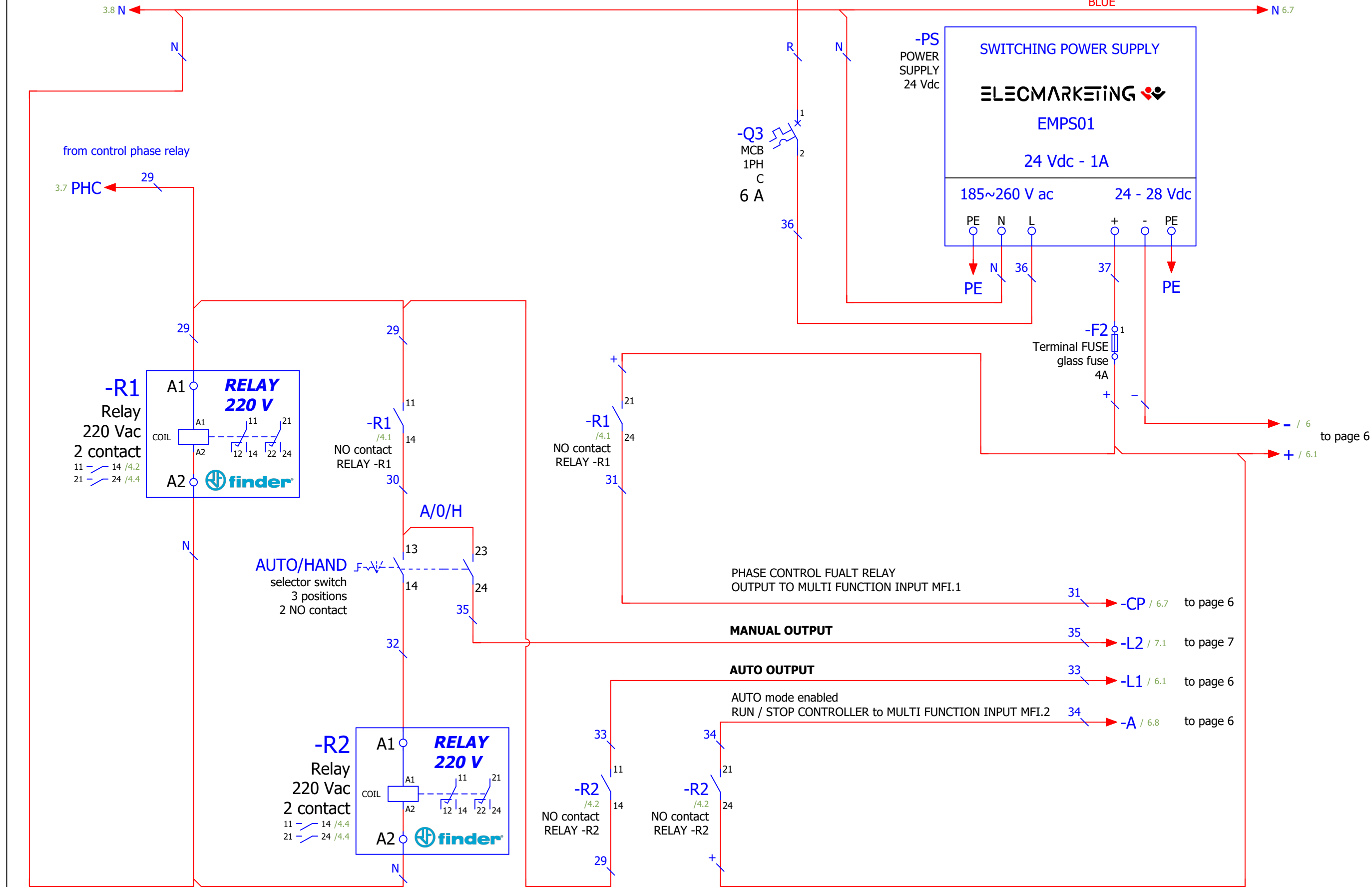
ELECMARKETING		
CREATOR : Elecmarketing Group	Drawing by : B.soltani	
Page number : 3	Number of pages: 11	
Page type : Schematic multi-line	Page Description : INCOMING	Mounting panel :MCP panel
Project description: Mode 2 & 3 Boosterpump 1 DRIVE - 4 Pump	Manufacturer : Elecmarketing company	
CREATION DATE : 1403/09/20	Checked by : ENG.MOUSA VI	Power supply 3Phase 400 Vac/50HZ

Normal Distribution 3PH(R,S,T)+N 220/380 V-AC / 50HZ from MCB (-Q1) JUMPER

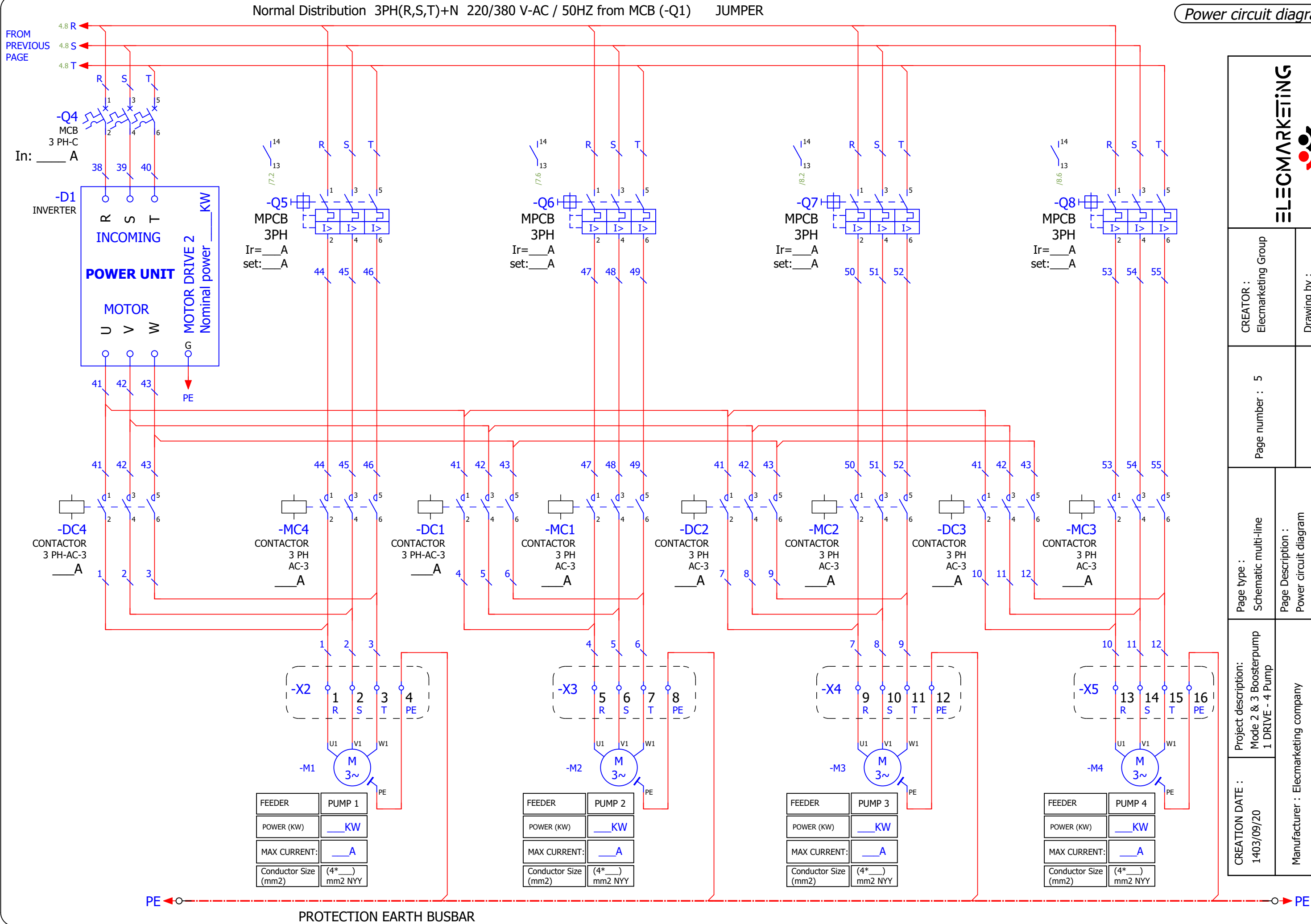
Hand & Auto diagram

FROM
PREVIOUS
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to
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ELECMARKETING	
CREATOR : Elecmarketing Group	Drawing by : B.soltani
Page number : 4	Number of pages: 11
Page type : Schematic multi-line	Page Description : Hand & Auto diagram
Project description: Mode 2 & 3 Boosterpump 1 DRIVE - 4 Pump	Mounting panel :MCP panel
CREATION DATE : 1403/09/20	Power supply 3phase 400 Vac/50HZ
Manufacturer : Elecmarketing company	Checked by : ENG.MOUSA VI



Power circuit diagram

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CREATOR :
Elecmarketing Group

Drawing by :
B.soltani

Page number : 5

Number of pages: 11

Page type :

Schematic multi-line

Page Description :

Power circuit diagram

Mounting panel :MCP panel

Project description:

Mode 2 & 3 Boosterpump
1 DRIVE - 4 Pump

CREATION DATE :

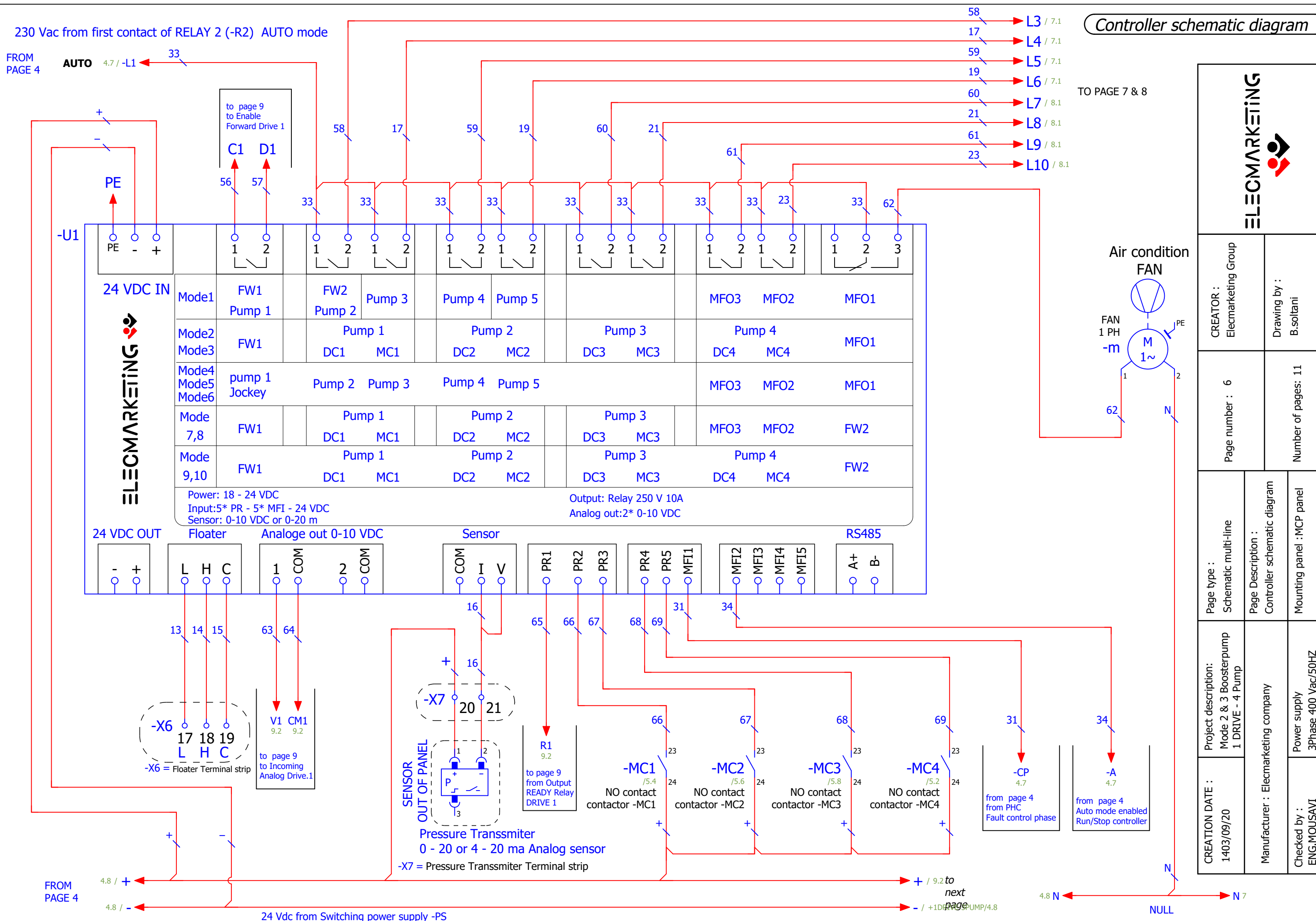
1403/09/20

Manufacturer : Elecmarketing company

Checked by :

ENG.MOUSAVI

Power supply
3phase 400 Vac/50HZ



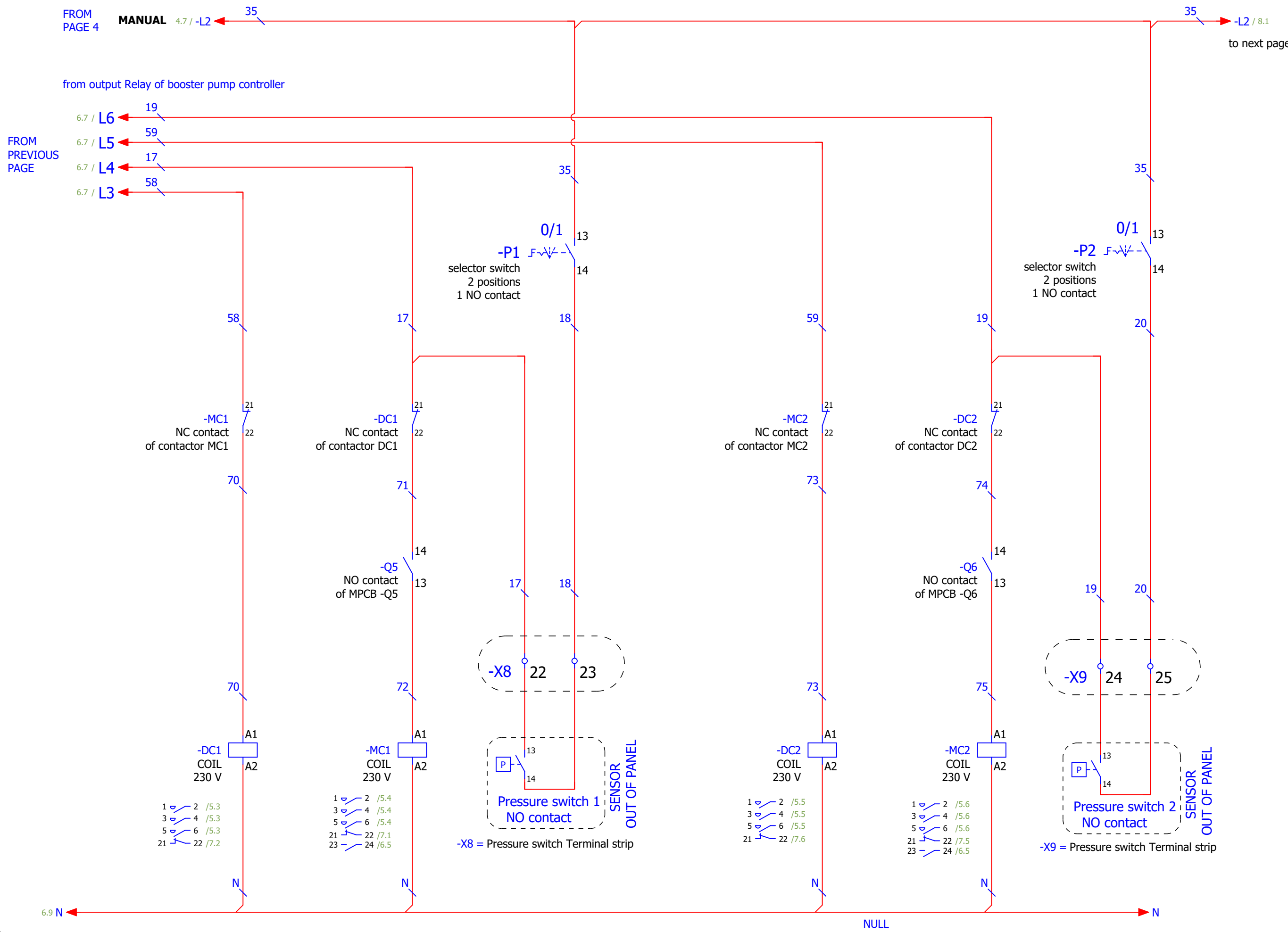
Controller schematic diagram

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CREATOR : Elecmarketing Group	Drawing by : B.soltani
Page number : 6	Number of pages: 11
Page type : Schematic multi-line	Page Description : Controller schematic diagram
Project description: Mode 2 & 3 Boosterpump 1 DRIVE - 4 Pump	Power supply 3Phase 400 Vac/50HZ
CREATION DATE : 1403/09/20	Manufacturer : Elecmarketing company
	Checked by : ENG.MOUSAVI
	Mounting panel :MCP panel

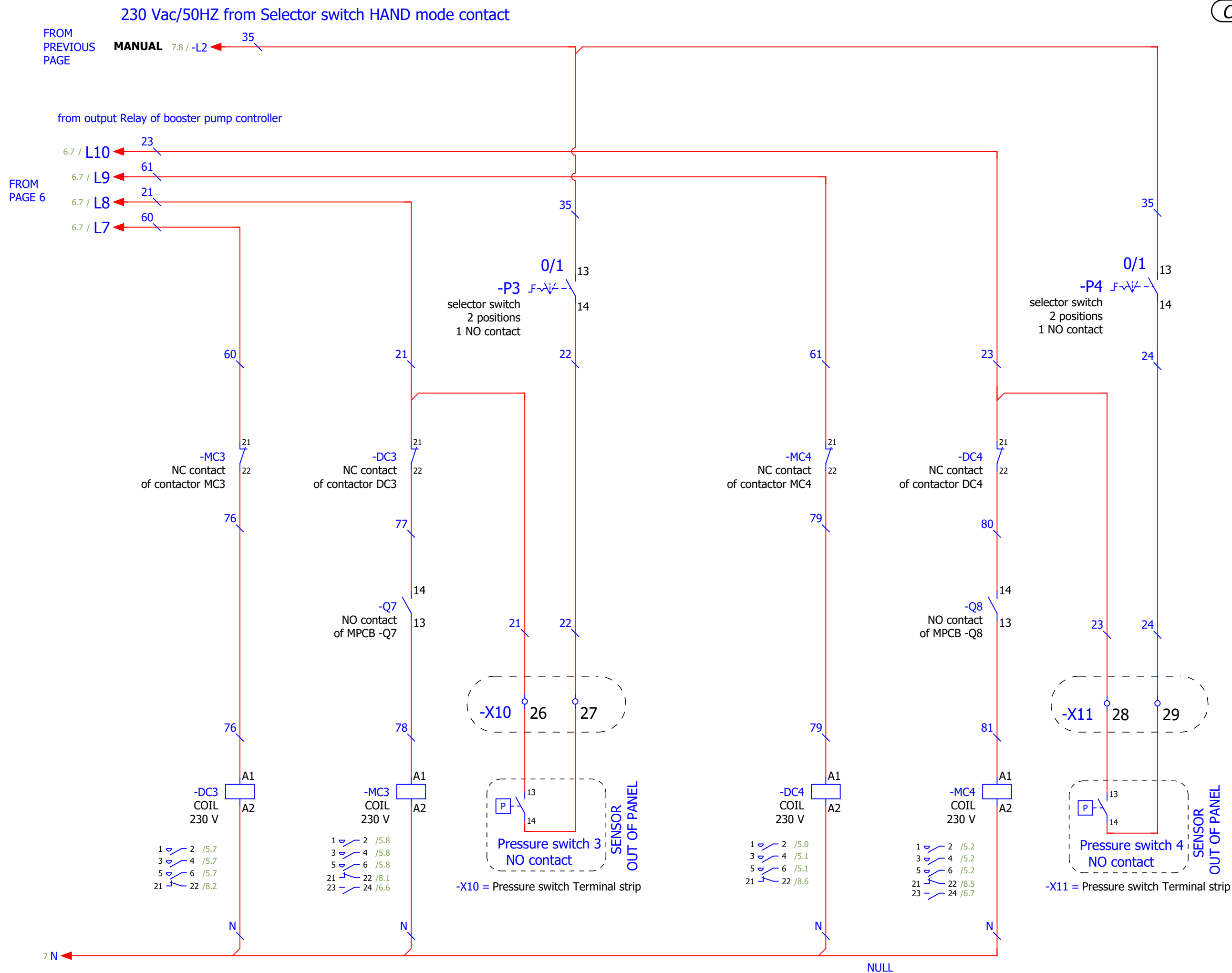
230 Vac/50HZ from Selector switch HAND mode contact

Control circuit diagram 1



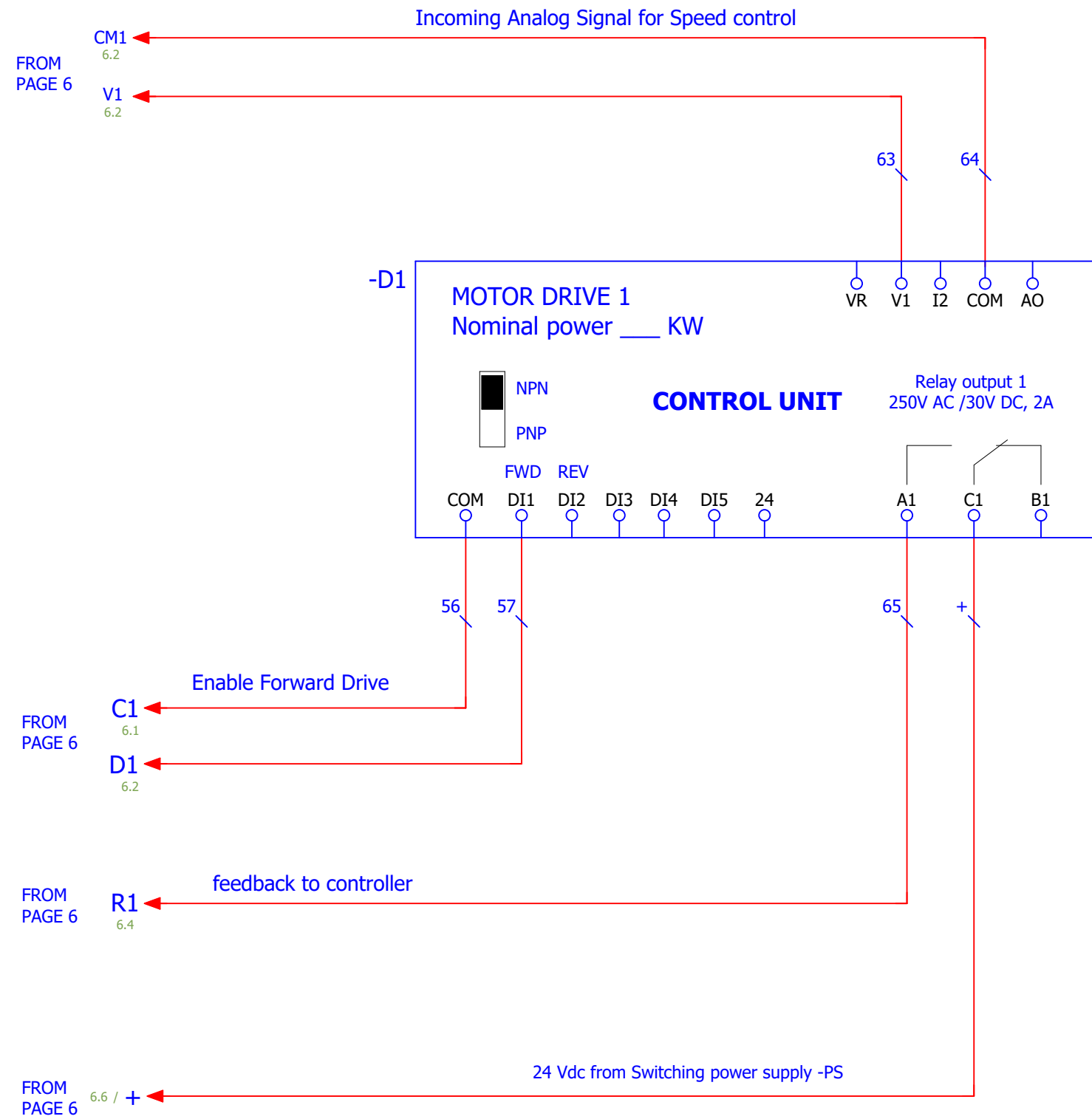
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Manufacturer : Elecmarketing company		Power supply 3Phase 400 Vac/50HZ		Page Description : Control circuit diagram 1		Number of pages: 11		Drawing by : B.soltani			
				Mounting panel : MCP panel							
Checked by : ENG.MOUSAVI											

Control circuit diagram 2



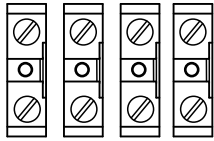
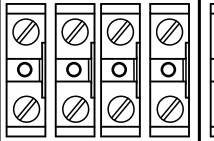
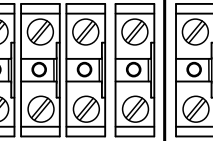
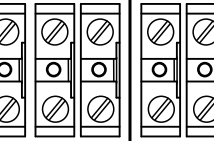
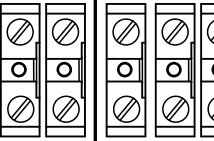
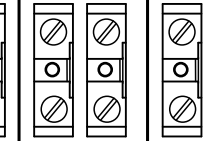
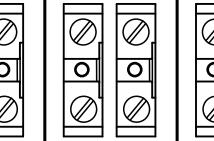
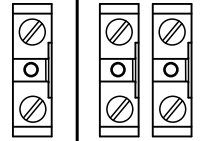
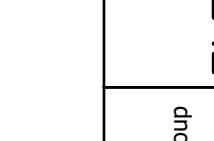
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Manufacturer : Elecmarketing company		Page Description : Control circuit diagram 2		Drawing by : B.soltani	
		Mounting panel : MCP panel	Number of pages: 11		
Checked by : ENG.MOUSAVI	Power supply 3Phase 400 Vac/50HZ				

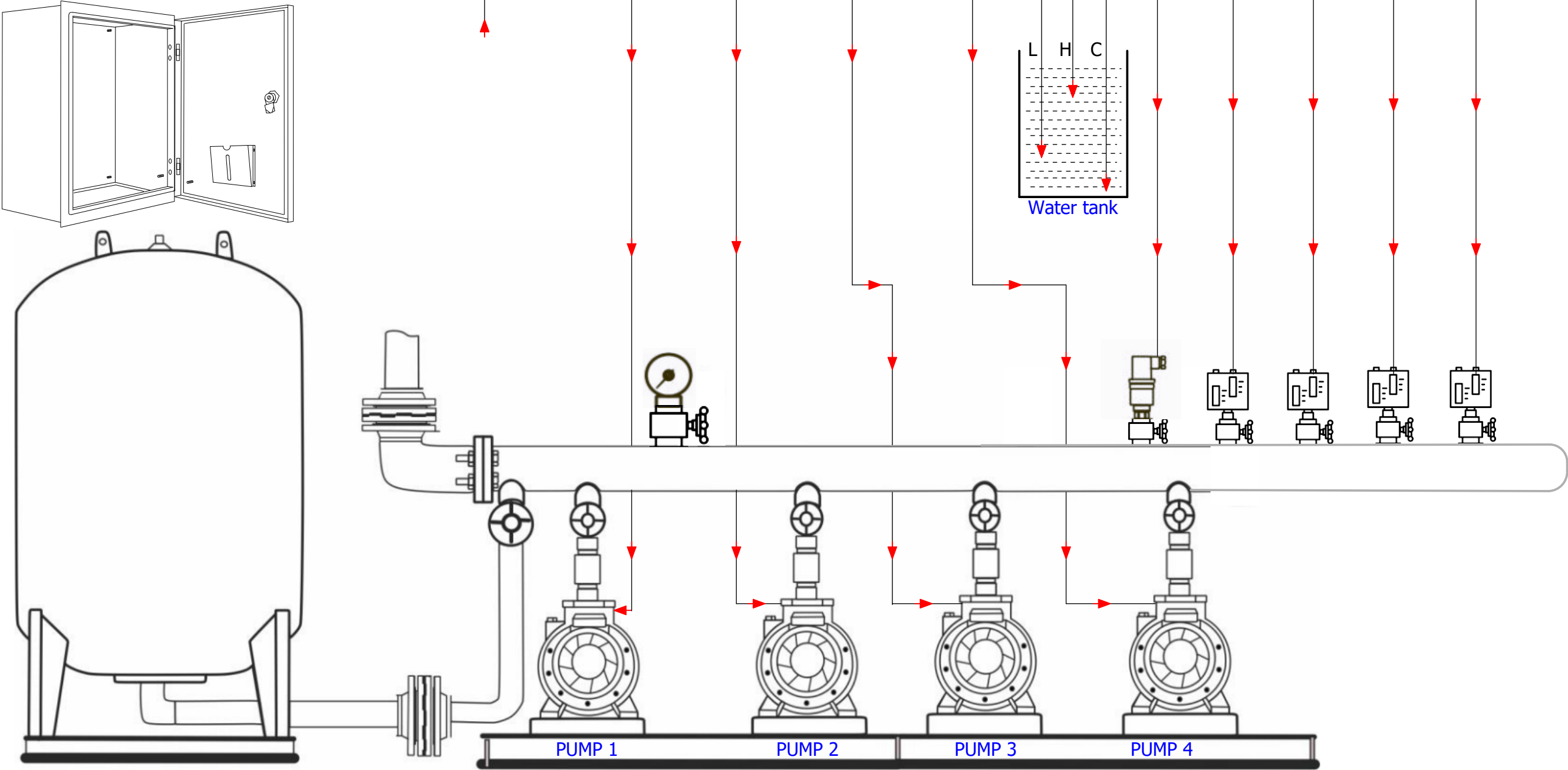
Drive circuit diagram



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Page number : 9		Number of pages: 11
Page type : Schematic multi-line	Page Description : Drive circuit diagram	
Project description: Mode 2 & 3 Boosterpump 1 DRIVE - 4 Pump	Mounting panel :MCP panel	
CREATION DATE : 1403/09/20	Manufacturer : Elecmarketing company	Power supply 3Phase 400 Vac/50HZ
	Checked by : ENG.MOUSA VI	

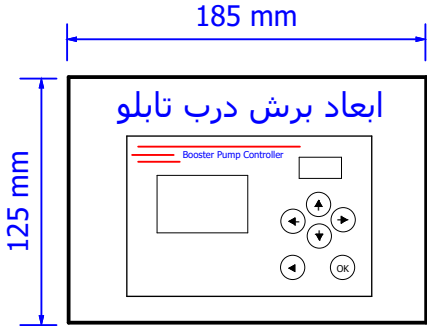
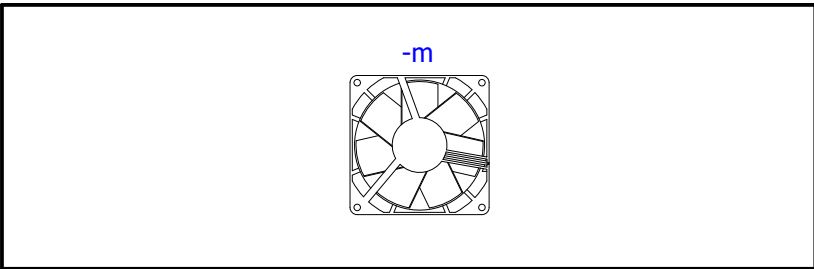
Booster pump overview

CONSUMER	Incoming	pump 1	pump 2	pump 3	pump 4	Floater	Pressure Transmitter	Pressure Switch 1	Pressure Switch 2	Pressure Switch 3	Pressure Switch 4
TAG	-X1	-X2	-X3	-X4	-X5	-X6	-X7	-X8	-X9	-X10	-X11
TERMINAL STRIP											
number of terminal	R S T N	1 2 3 4	5 6 7 8	9 10 11 12	13 14 15 16	17 18 19	20 21	22 23	24 25	26 27	28 29

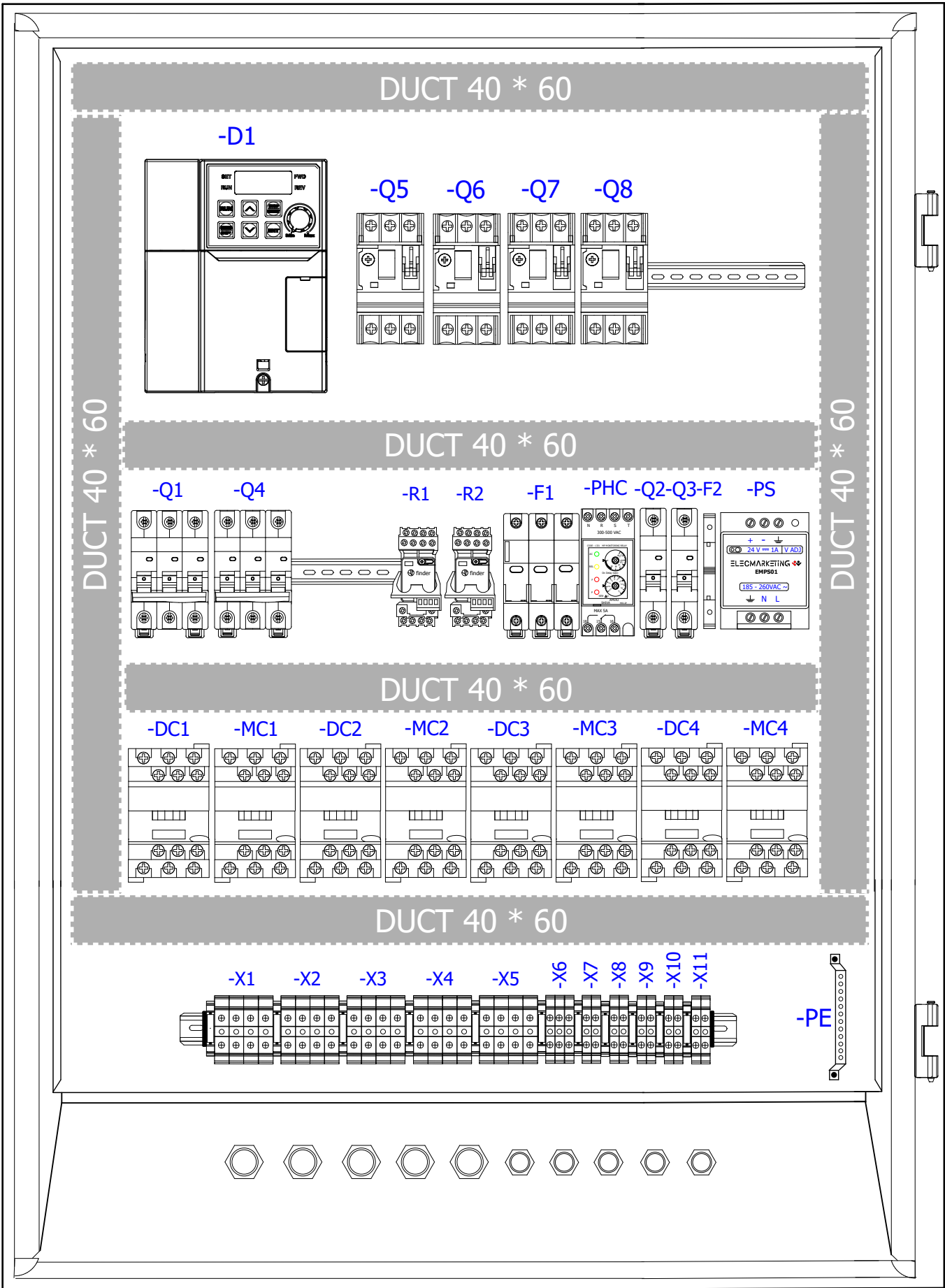
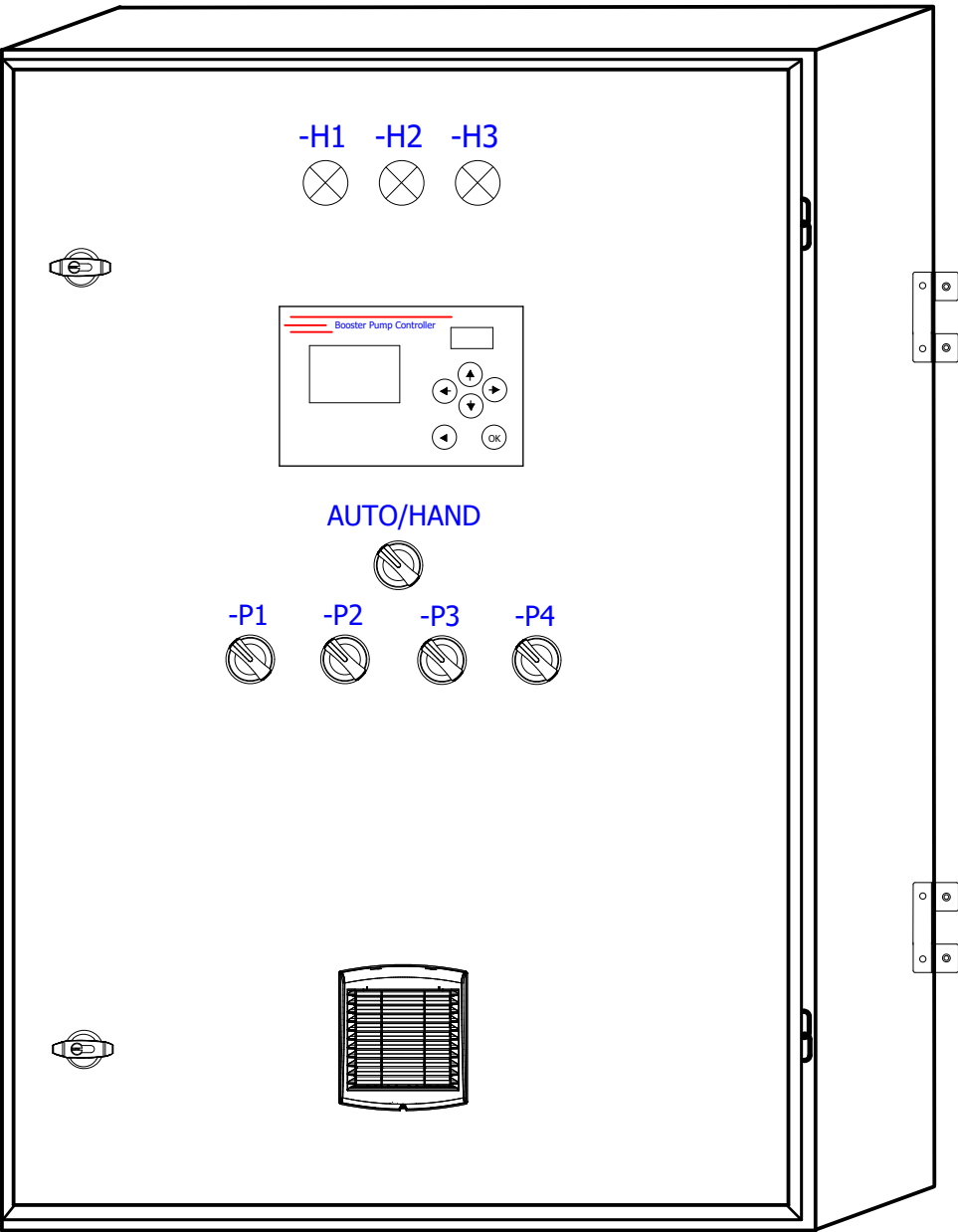


Panel layout

TOP VIEW



EXTERNAL VIEW



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Page number :	11	Drawing by : B.soltani
Page type :	Panel layout	Number of pages: 11
Project description:	Mode 2 & 3 Boosterpump 1 DRIVE - 4 Pump	Mounting panel :MCP panel
Manufacturer :	Elecmarketing company	
Checked by :	ENG.MOUSAVI	Power supply 3Phase 400 Vac/50HZ