

ELECMARKETING

Creator: Elecmarketing company

Project name: [Booster pump - 2 Pump](#)

Panel name: [Booster pump panel](#)

Working mode: [Mode 4](#)

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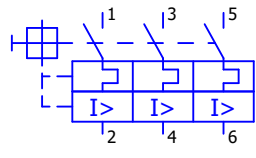
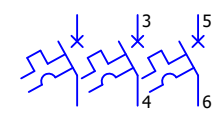
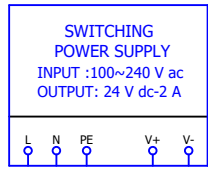
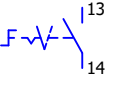
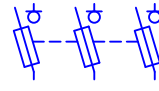
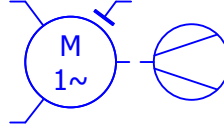
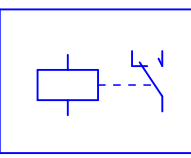
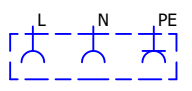
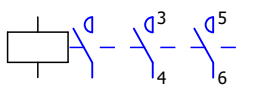
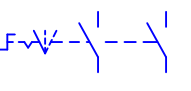
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CREATOR : Elecmarketing Group	Drawing by : B.soltani	
Page number : 1	Number of pages: 9	
Page type : Graphic	Page Description : Table of contents	Mounting panel :MCP panel
Project description: Mode 4 Boosterpump 2 Pump	Power supply 3phase 400 Vac/50HZ	
CREATION DATE : 1403/09/20	Manufacturer : Elecmarketing company	Checked by : ENG.MOUSAVI

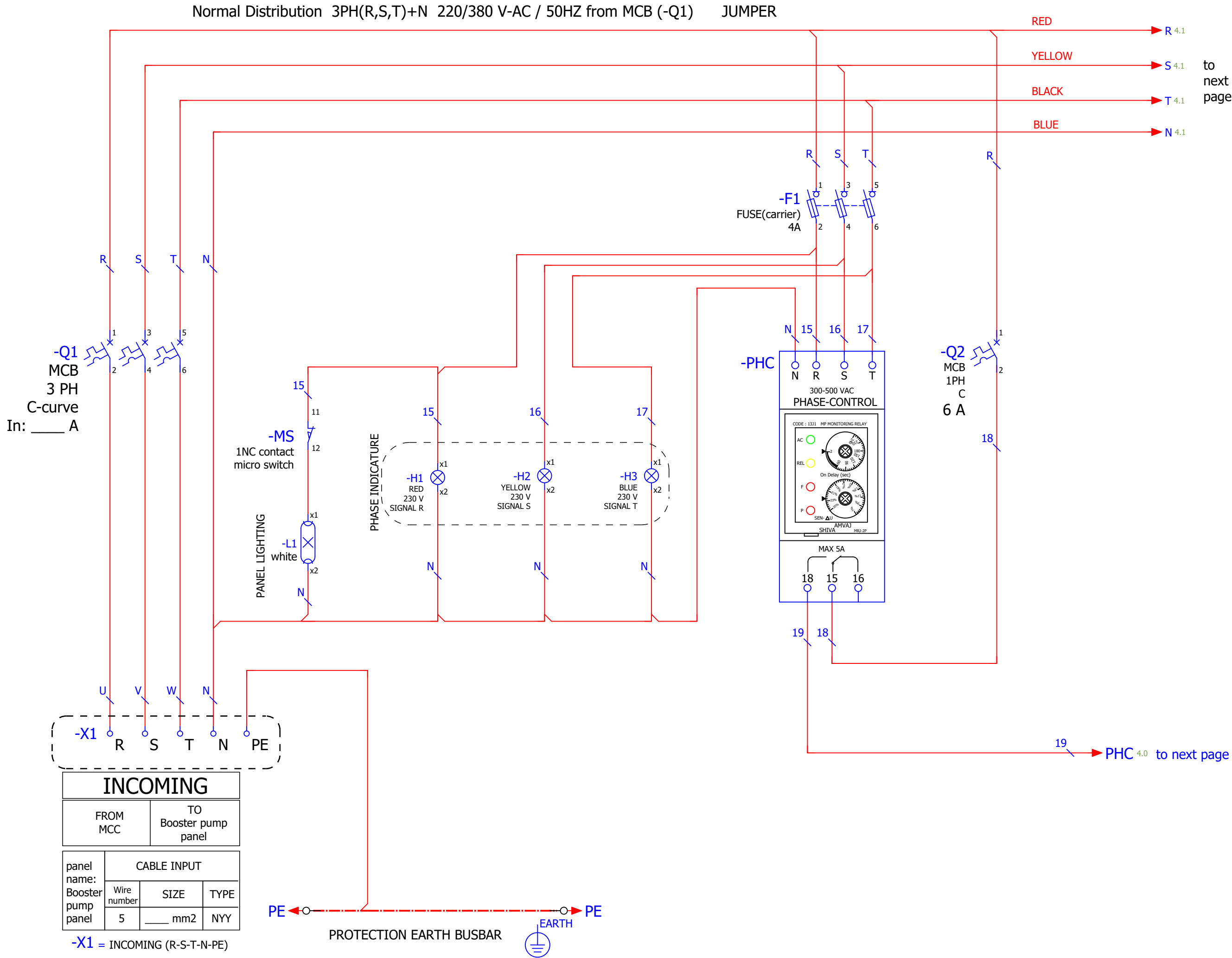
Symbol table

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 کاربر	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 characteristics and current rating : according to design
توجه: مشخصات فنی و جریان نامی تجهیزات : مندرج در نقشه



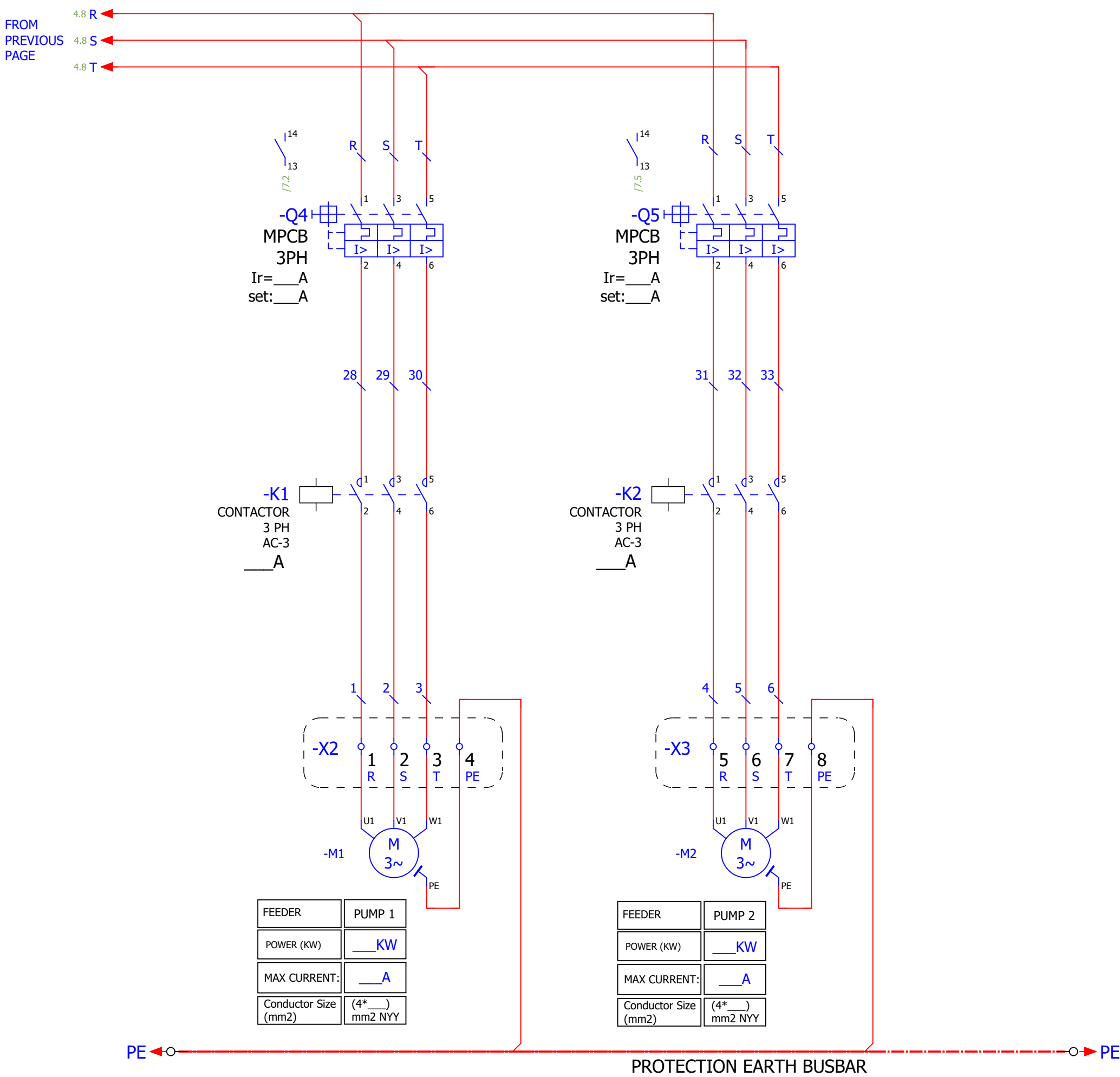
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Manufacturer : Elecmarketing company		Page Description : Symbol table	
Checked by : ENG.MOUSAVI	Power supply 3Phase 400 Vac/50HZ	Mounting panel :MCP panel	Number of pages: 9
			Drawing by : B.soltani



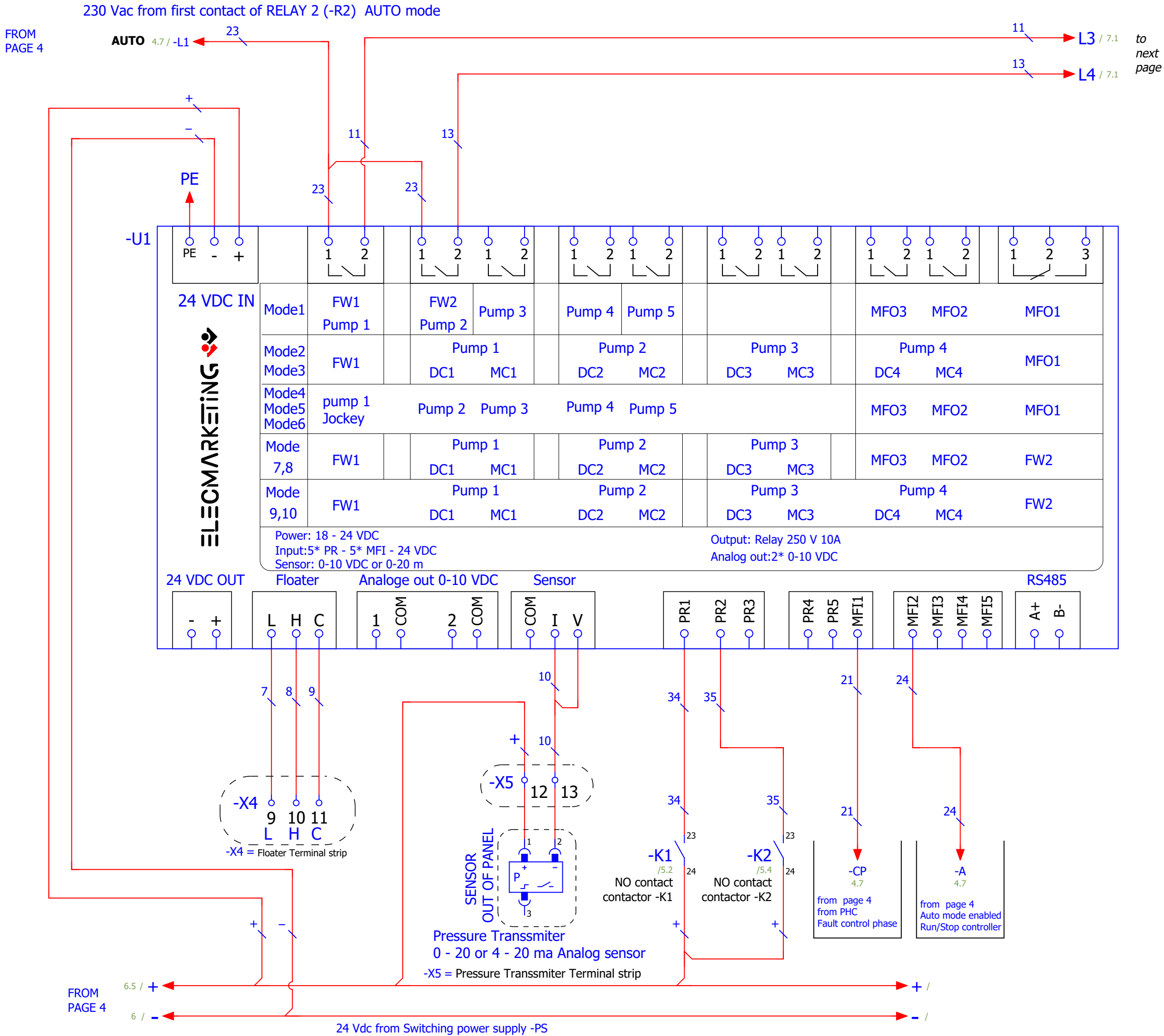
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CREATOR :	Electmarketing Group	Drawing by :
		B.soltani
Page number :	3	Number of pages:
		9
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Page Description :	INCOMING	
Project description:	Mode 4 Boosterpump 2 Pump	Power supply 3Phase 400 Vac/50HZ
CREATION DATE :	1403/09/20	Checked by : ENG.MOUSA VI
	Manufacturer : Electmarketing company	

Power circuit diagram

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



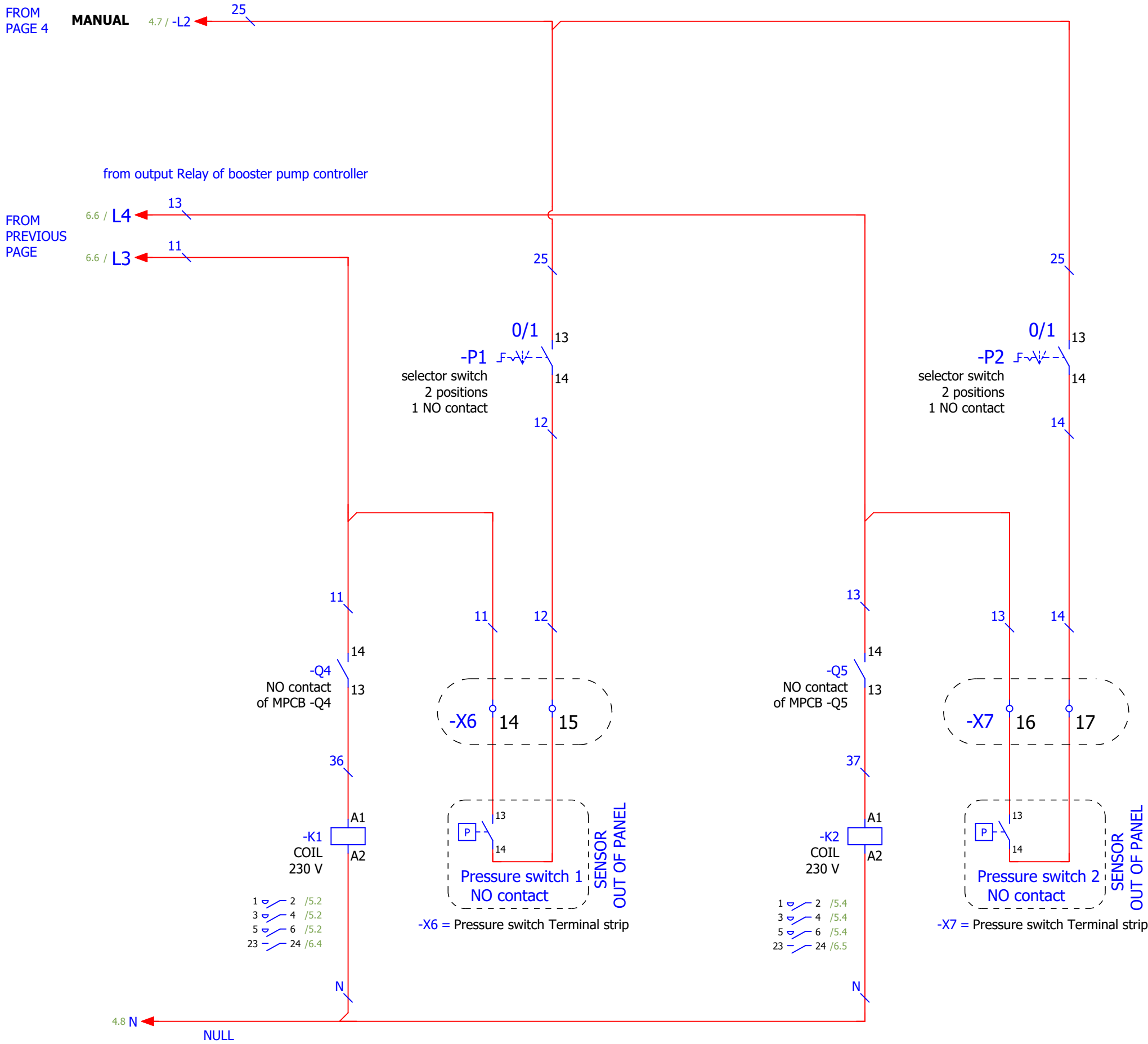
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Project description: Mode 4 Boosterpump 2 Pump	Manufacturer : Elecmarketing company	
CREATION DATE : 1403/09/20	Checked by : ENG.MOUSA VI	Power supply 3Phase 400 Vac/50HZ



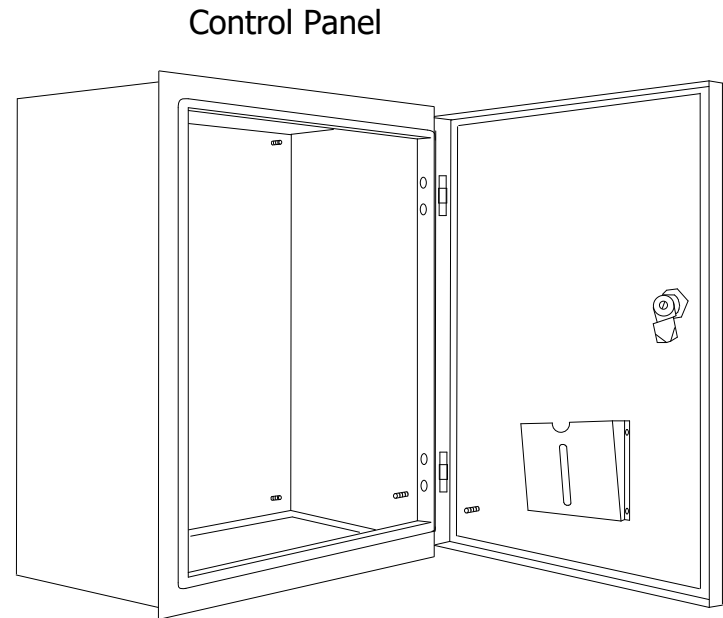
Controller schematic diagram

230 Vac/50HZ from Selector switch HAND mode contact

Control circuit diagram

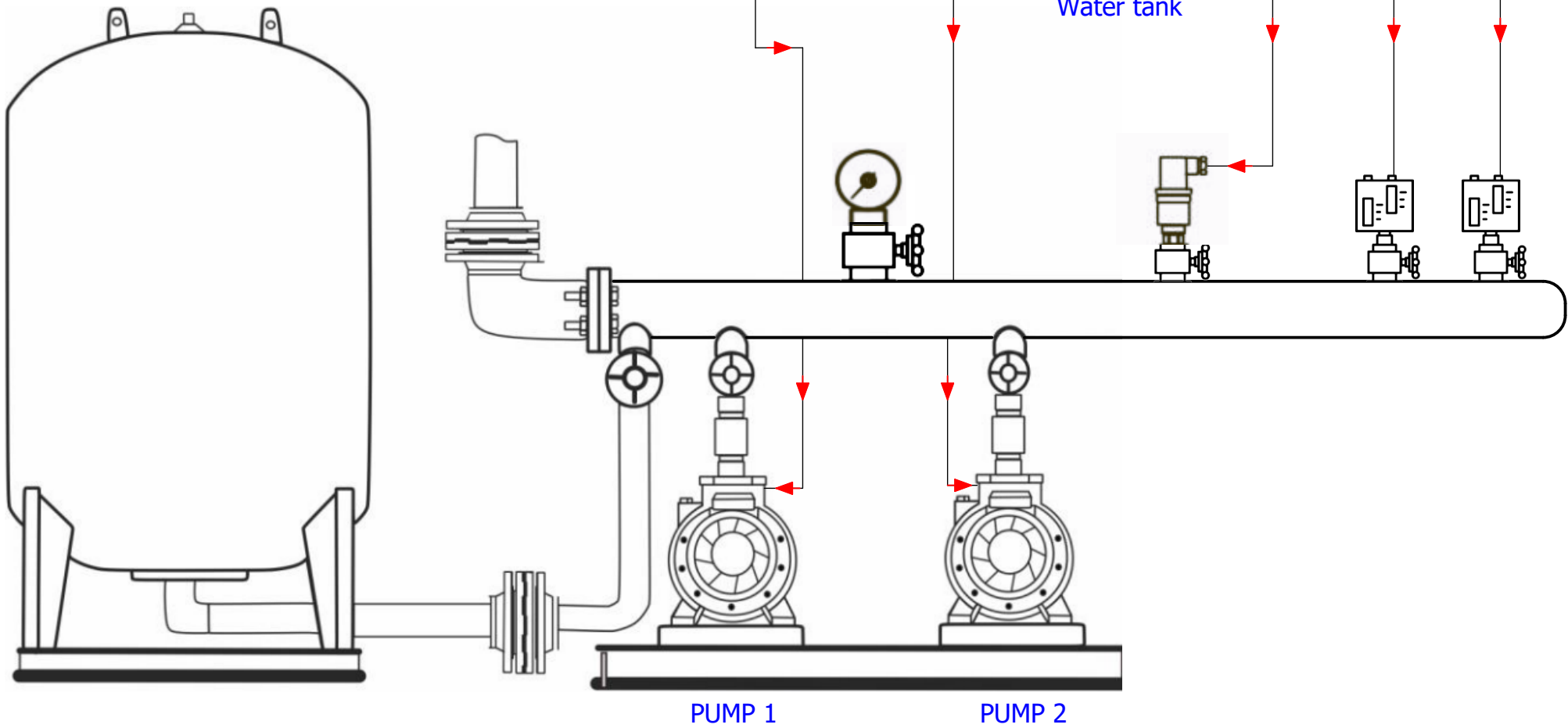


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Manufacturer : Elecmarketing company		Page Description : Control circuit diagram		Mounting panel : MCP panel		Number of pages: 9		Drawing by : B.soltani			
Checked by : ENG.MOUSA VI		Power supply 3Phase 400 Vac/50HZ									



Control Panel

CONSUMER	Incoming	pump 1	pump 2	Floater	Pressure Transmitter	Pressure Switch 1	Pressure Switch 2
TAG	-X1	-X2	-X3	-X4	-X5	-X6	-X7
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

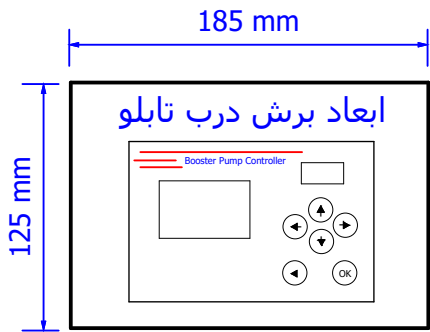
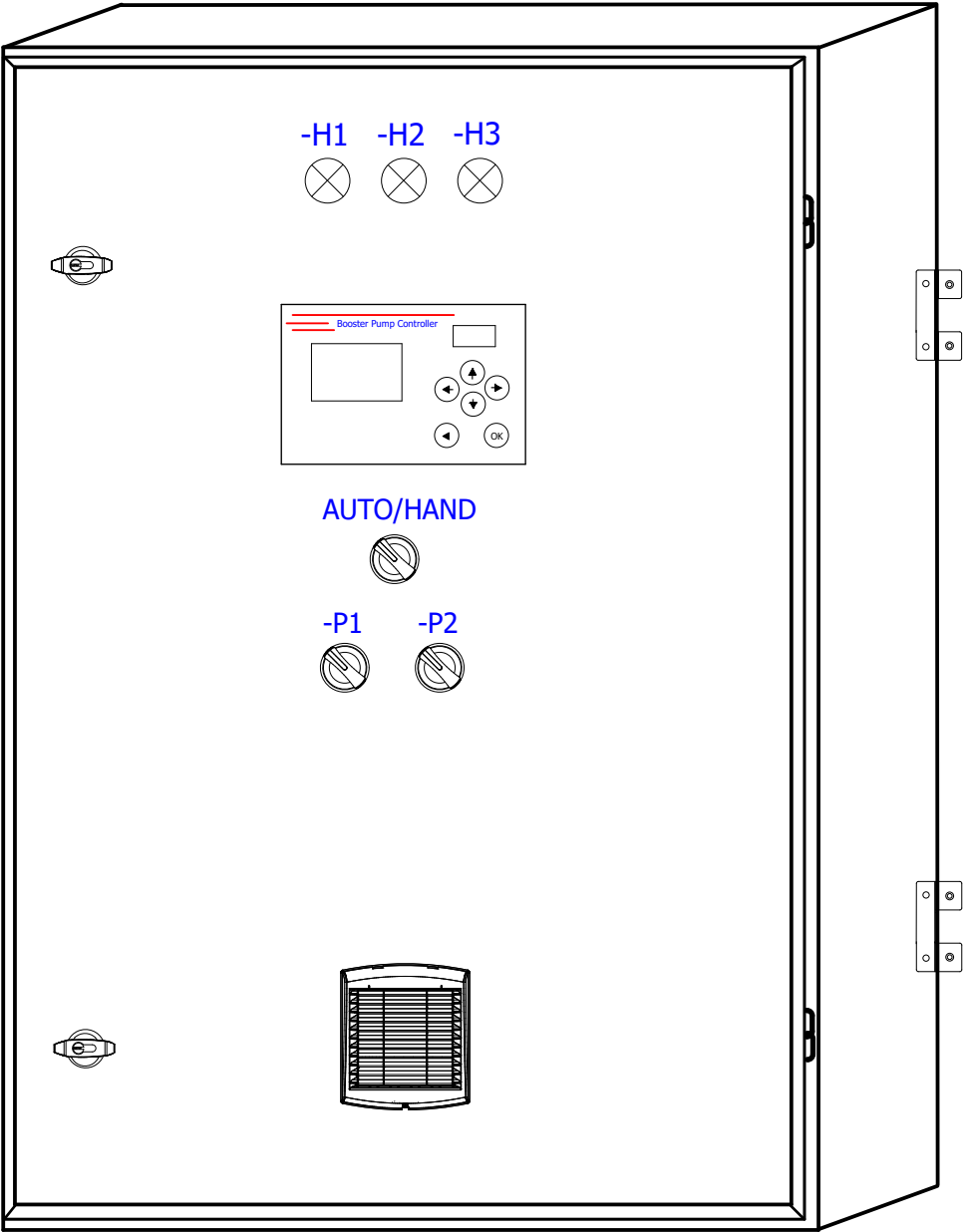


Booster pump overview

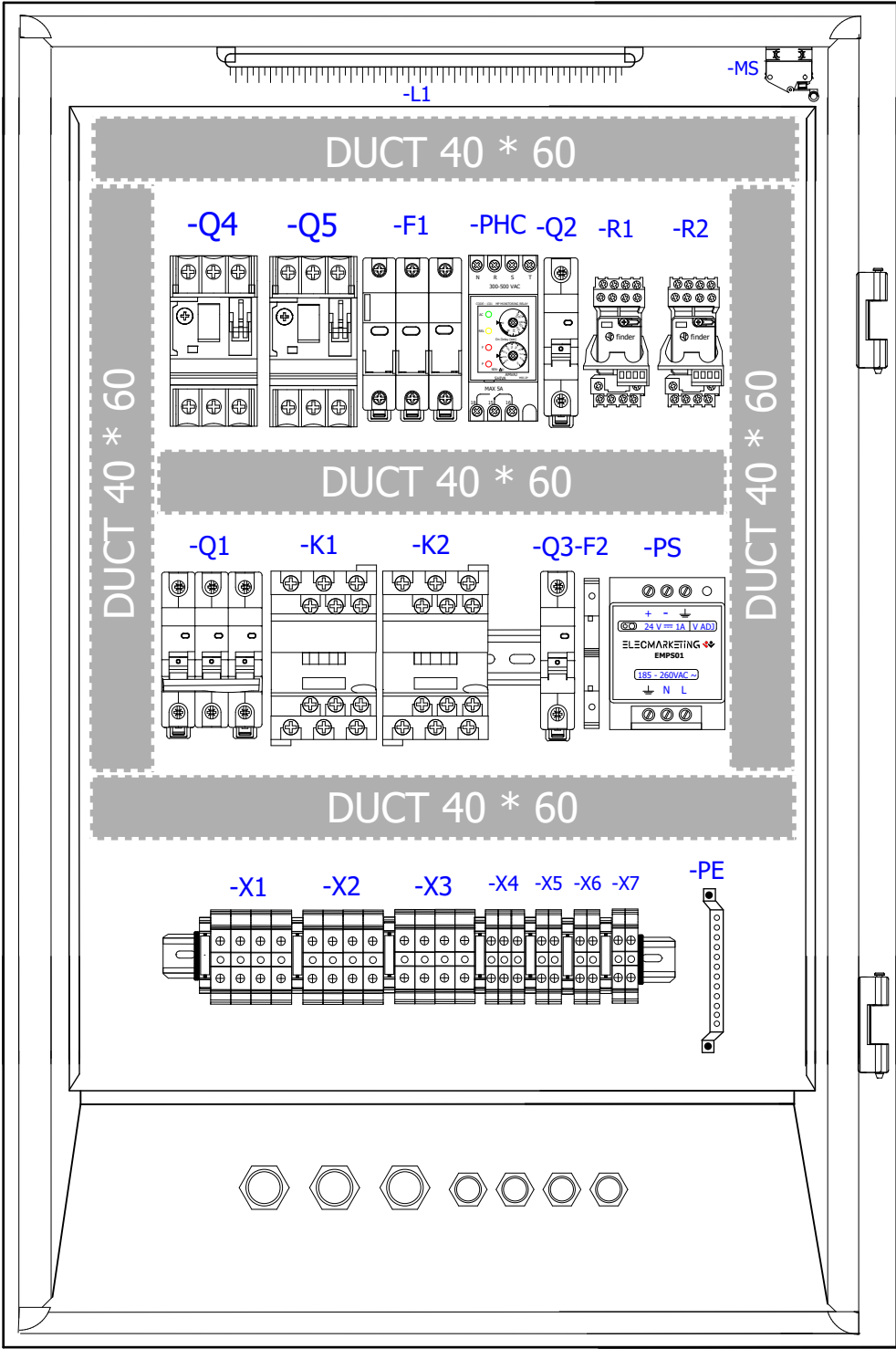


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Page number : 8		Number of pages: 9	
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Project description: Mode 4 Boosterpump 2 Pump	Manufacturer : Elecmarketing company	Power supply 3phase 400 Vac/50HZ	
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Panel layout



EXTERNAL VIEW



ELECmarketing 		
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Page type :	Panel layout	Number of pages: 9
Project description:	Mode 4 Boosterpump 2 Pump	Page Description : Panel layout
Manufacturer : Elecmarketing company		Mounting panel :MCP panel
Checked by : ENG.MOUSAVI	Power supply 3Phase 400 Vac/50HZ	