

ELECMARKETING

Creator: Elecmarketing company

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

Panel name: [Booster pump panel](#)

Working mode: [Mode 5 & 6](#)

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ELECMARKETING 

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 5 & 6 Boosterpump
2 Pump

Manufacturer : Elecmarketing company

Power supply
3Phase 400 Vac/50HZ

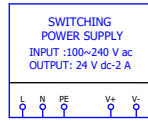
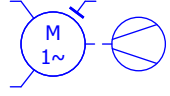
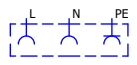
CREATION DATE :
1403/10/1

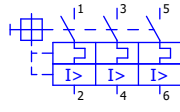
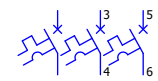
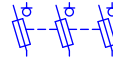
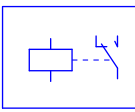
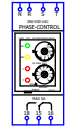
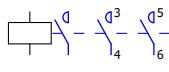
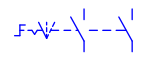
Manufacturer : Elecmarketing company

Checked by :
ENG.MOUSAVI



[Scan: Telegram channel](#)

TAG	SIGN	DESCRIPTION	SYMBOL`s NAME
----		Auxiliary contact of control circuit diagram NO=normaly open NC=normaly close	CONTACT
-U		Booster pump automatic control panel پنل کنترل اتوماتیک برنامه بوستر پمپ	Booster panel
-PS		Switching power supply 24 Vdc منبع تغذیه 24 ولت مستقیم	POWER SUPPLY
-P		Position selector switch (manually operated)-(0/1) کلید فرمان دو حالت	SELECTOR SWITCH
-m		FAN automat temperator controller فن تهویه هوا تابلو	FAN
-SOC		Internal 1ph socket پریز تابلویی	socket
-F		Terminal FUSE with glass fuse ترمینال فیوز	TERMINAL FUSE
-H		LAMP SIGNALING چراغ سیگنال	SIGNAL
-X		TERMINAL BLOCK ترمینال ریلی تابلویی	TERMINAL

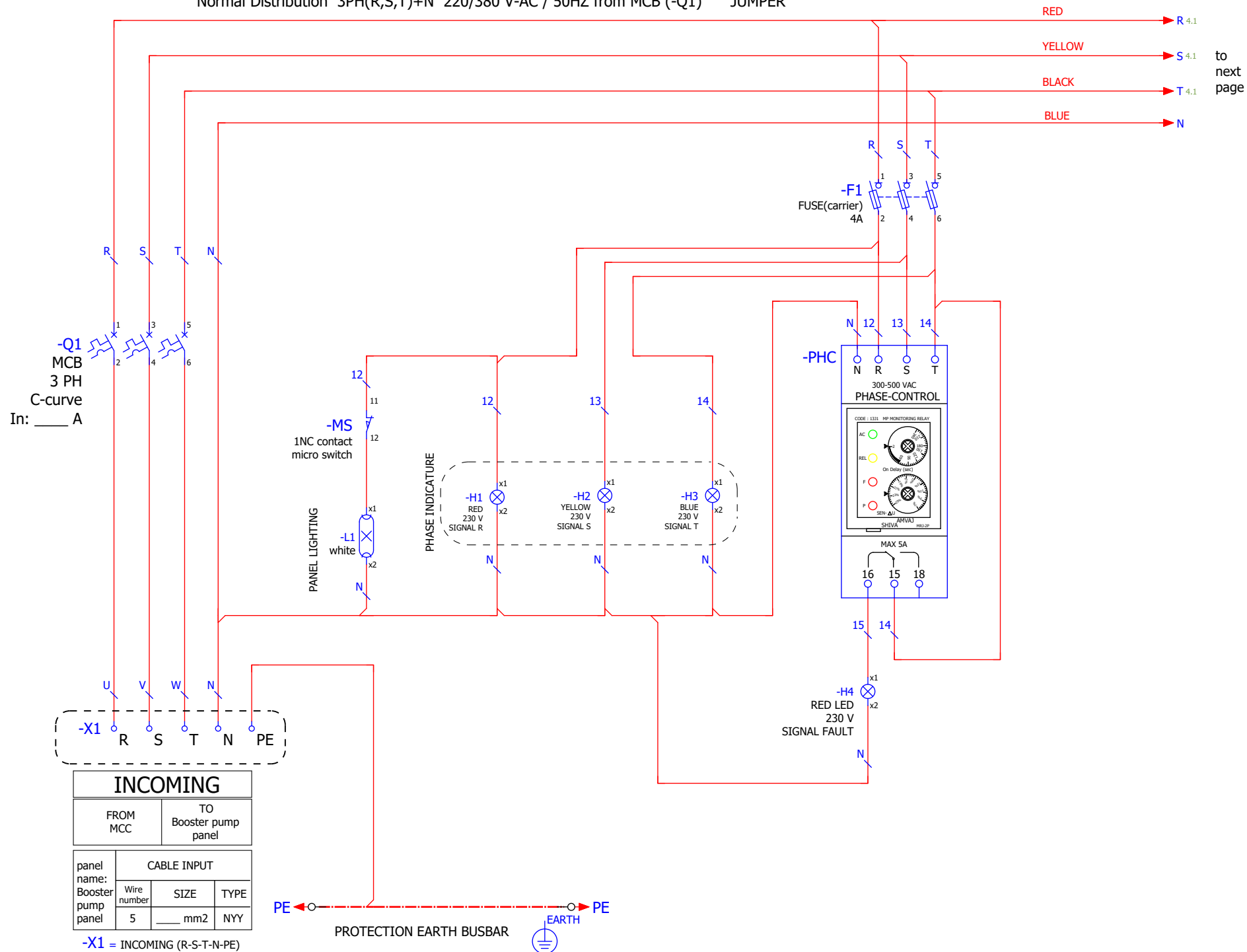
TAG	SIGN	DESCRIPTION	SYMBOL`s NAME
-Q		MOTOR PROTECTION CIRCUIT BREAKER کلید حفاظتی اضافه بار موتور	MPCB
-Q		Miniature circuit-breaker (3ph) کلید مینیاتوری سه فاز	MCB
-Q		Miniature circuit-breaker (1ph) کلید مینیاتوری تکفاز	MCB
-F		Modular fuse carrier (3ph) فیوز کاریر	FUSE
-R		Relays, contactors رله با کنتاکت های نرمال باز و بسته	Relay
-PHC		control phase protection relay رله حفاظتی کنترل فاز	PHASE CONTROL
-K		CONTACTOR (3ph) کنتاکتور	POWER RELAY
AUTO HAND		Position selector switch (AUTO HAND)-(0/1/2) کلید فرمان سه حالت دستی و اتومات	SELECTOR SWITCH
-K		COIL of contactor بوبین کنتاکتور	BOIIN

Symbol table

	
CREATOR : Elecmarketing Group	Drawing by : B.soltani
Page number : 2	Number of pages: 9
Page type : Graphic	Page Description : Symbol table
Project description: Mode 5 & 6 Boosterpump 2 Pump	Mounting panel : MCP panel
Manufacturer : Elecmarketing company	Power supply 3Phase 400 Vac/50HZ
CREATION DATE : 1403/10/1	Checked by : ENG.MOUSAVI

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

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



INCOMING

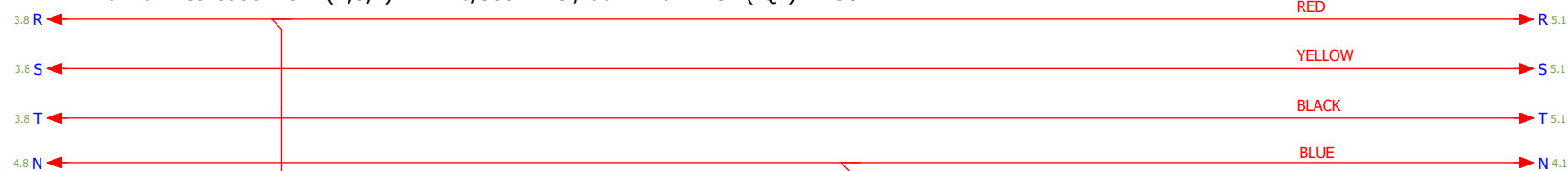
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CREATOR : Elecmarketing Group	Drawing by : B.soltani
Page number : 3	Number of pages: 9
Page type : Schematic multi-line	Page Description : INCOMING
Project description: Mode 5 & 6 Booster pump 2 Pump	Manufacturer : Elecmarketing company
Creation DATE : 1403/10/1	Checked by : ENG.MOUSAVI
	Power supply 3Phase 400 Vac/50HZ
	Mounting panel : MCP panel

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

Hand & Auto diagram

FROM
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PAGE



to
next
page

-Q2
MCB
1PH
C
6 A

-PS
POWER
SUPPLY
24 Vdc

SWITCHING POWER SUPPLY

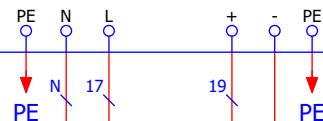
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EMPS01

24 Vdc - 1A

185~260 V ac

24 - 28 Vdc



16 → -ALARM 6.5 to page 6
ALARM SIGNAL

-F2
Terminal FUSE
glass fuse
4A

to page 6

A/O/H
AUTO/HAND
selector switch
3 positions
2 NO contact

MANUAL OUTPUT

AUTO OUTPUT

18 → -L2 / 7.1 to page 7

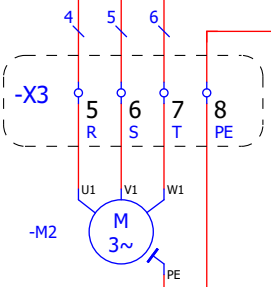
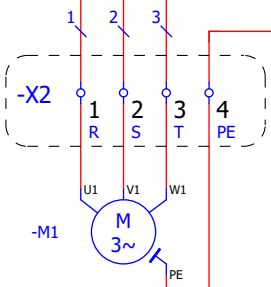
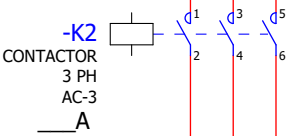
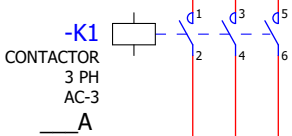
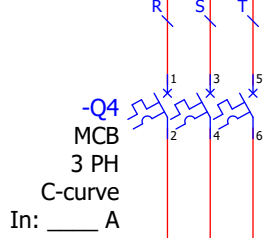
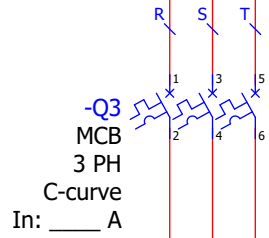
17 → -L1 / 6.1 to page 6

CREATOR : Elecmarketing Group	Drawing by : B.soltani
Page number : 4	Number of pages: 9
Page type : Schematic multi-line	Page Description : Hand & Auto diagram
Project description: Mode 5 & 6 Boosterpump 2 Pump	Mounting panel : MCP panel
Manufacturer : Elecmarketing company	Power supply 3Phase 400 Vac/50HZ
CREATION DATE : 1403/10/1	Checked by : ENG.MOUSAVI

FROM
PREVIOUS
PAGE

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

4.8 R
4.8 S
4.8 T



FEEDER	MODE5: PUMP 1 MODE6: JOCKEY PUMP
POWER (KW)	____KW
MAX CURRENT:	____A
Conductor Size (mm2)	(4*____) mm2 NYY

FEEDER	PUMP 2
POWER (KW)	____KW
MAX CURRENT:	____A
Conductor Size (mm2)	(4*____) mm2 NYY

PE

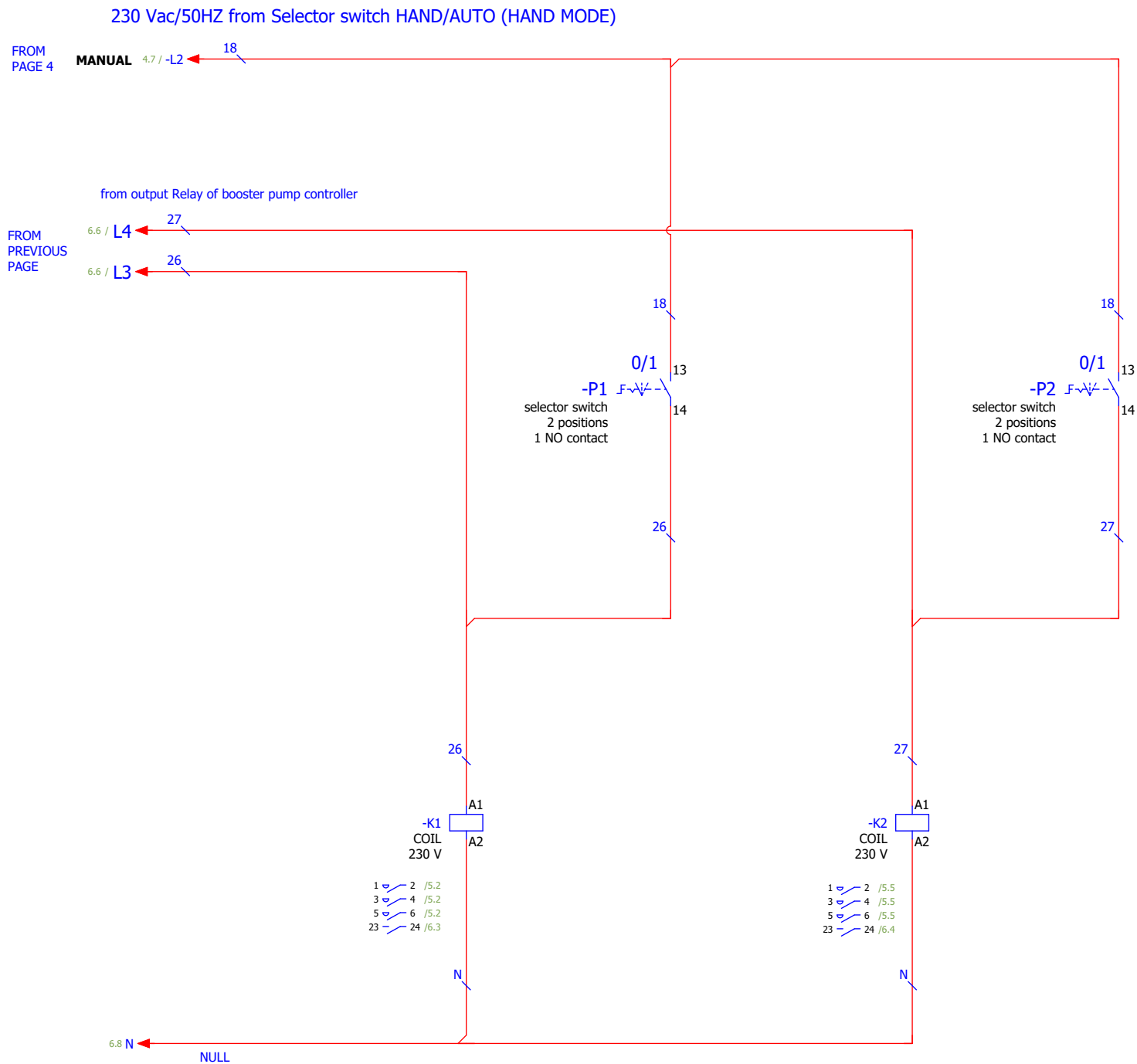
PROTECTION EARTH BUSBAR

PE



CREATOR : Elecmarketing Group	Drawing by : B.soltani
Page number : 5	Number of pages: 9
Page type : Schematic multi-line	Page Description : Power circuit diagram
Project description: Mode 5 & 6 Boosterpump 2 Pump	Mounting panel : MCP panel
Manufacturer : Elecmarketing company	Power supply 3Phase 400 Vac/50HZ
CREATION DATE : 1403/10/1	Checked by : ENG.MOUSAVI

Control circuit diagram



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CREATOR :
Elecmarketing Group

Drawing by :
B.soltani

Page number : 7

Number of pages: 9

Page type :
Schematic multi-line

Page Description :
Control circuit diagram

Mounting panel : MCP panel

Project description:
Mode 5 & 6 Boosterpump
2 Pump

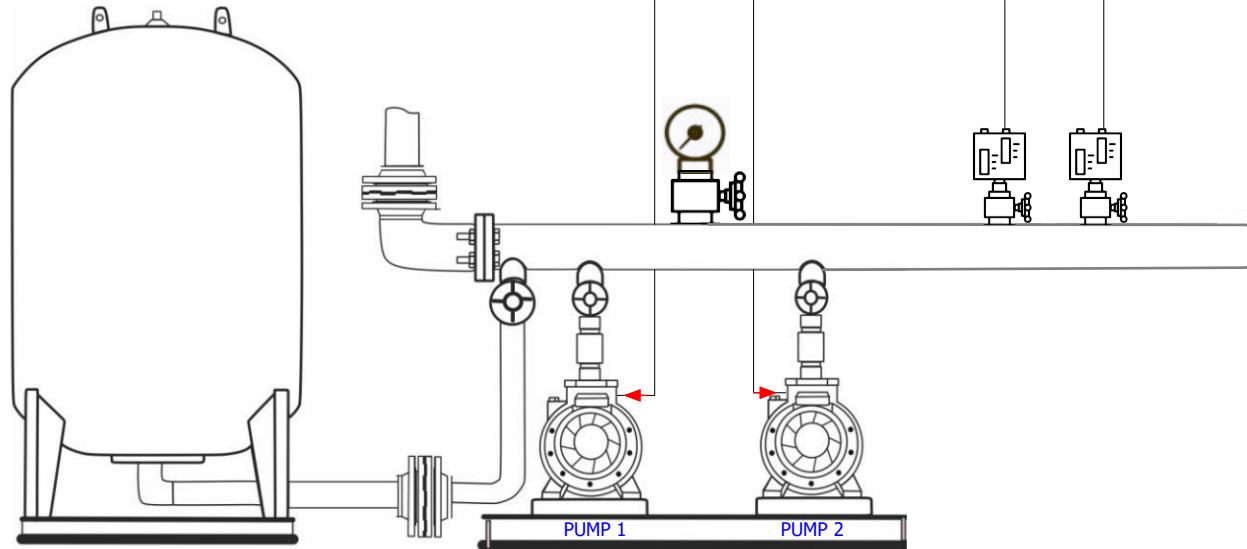
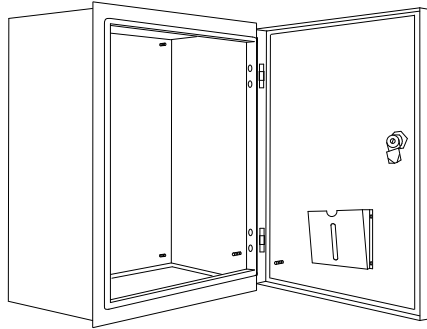
Manufacturer : Elecmarketing company

Power supply
3Phase 400 Vac/50HZ

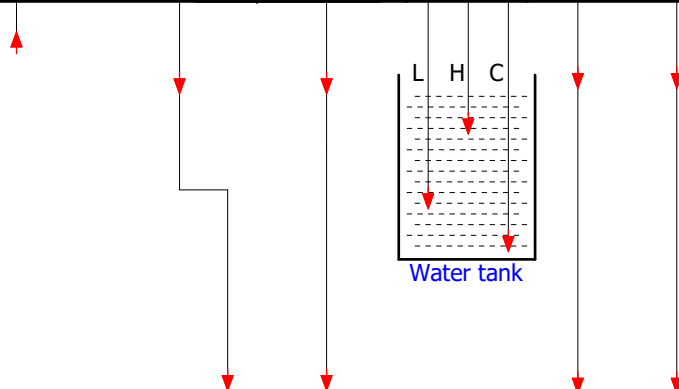
CREATION DATE :
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Manufacturer : Elecmarketing company

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CONSUMER	Incoming	pump 1	pump 2	Floater	Pressure Switch 1	Pressure Switch 2
TAG	-X1	-X2	-X3	-X4	-X5	-X6
TERMINAL STRIP						
number of terminal	R S T N	1 2 3 4	5 6 7 8	9 10 11	12 13	14 15



Booster pump overview

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CREATOR :
Elecmarketing Group

Drawing by :
B.soltani

Page number : 8

Number of pages: 9

Page type :
Graphic

Page Description :
Booster pump overview

Mounting panel : MCP panel

Project description:
Mode 5 & 6 Boosterpump
2 Pump

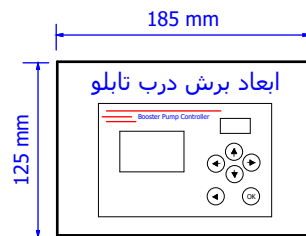
Manufacturer : Elecmarketing company

Power supply
3Phase 400 Vac/50HZ

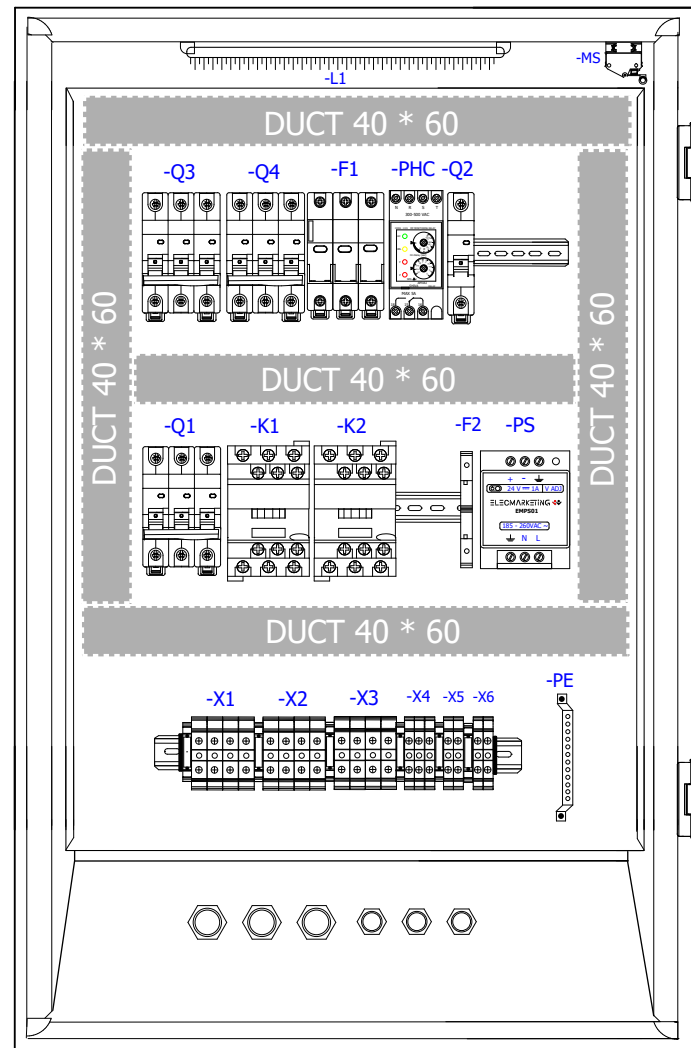
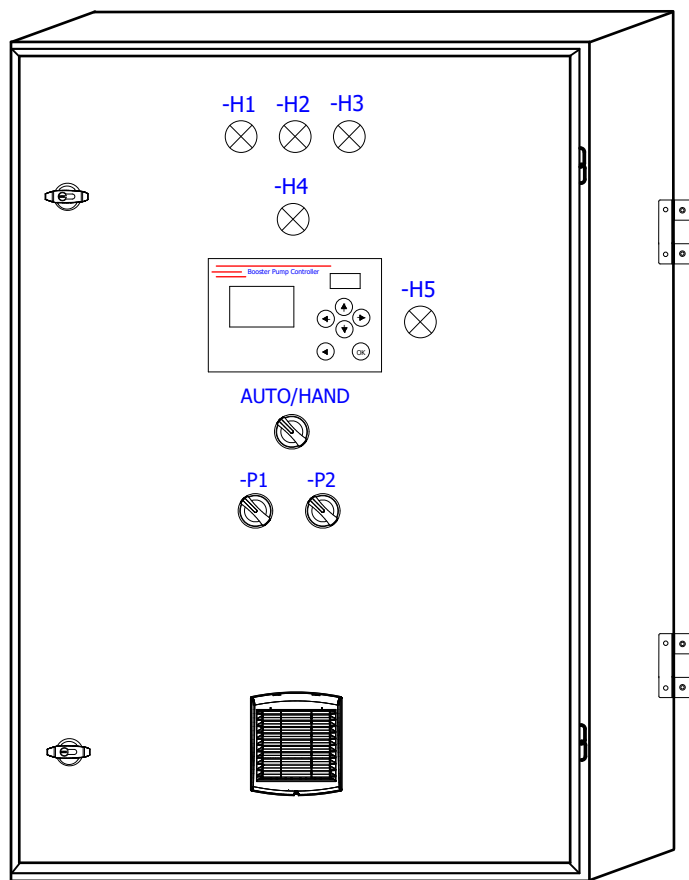
CREATION DATE :
1403/10/1

Manufacturer : Elecmarketing company

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EXTERNAL VIEW



Panel layout

CREATOR : Elecmarketing Group		Drawing by : B.soltani	
Page number : 9		Number of pages: 9	
Project description: Mode 5 & 6 Boosterpump 2 Pump	Page type : Panel layout	Page Description : Panel layout	
	Manufacturer : Elecmarketing company	Mounting panel : MCP panel	
Checked by : ENG.MOUSAVI	Power supply 3Phase 400 Vac/50HZ		

