

ELECMARKETING

Creator: Elecmarketing company

Project name: [Booster pump - 5 Pump](#)

Panel name: [Booster pump panel](#)

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

Description	Page	Description	Page
Table of contents	1	Controller schematic diagram	6
Symbol table	2	Control circuit diagram	7
INCOMING	3	Booster pump overview	8
Hand & Auto diagram	4	Panel layout	9
Power circuit diagram	5		

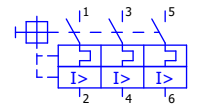
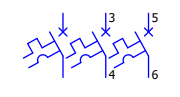
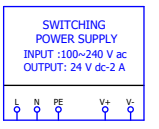
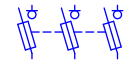
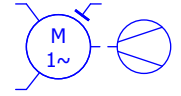
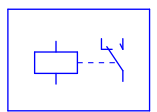
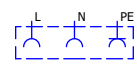
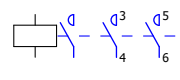
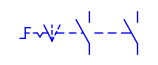
[Table of contents](#)



[Scan: Telegram channel](#)

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

Symbol table

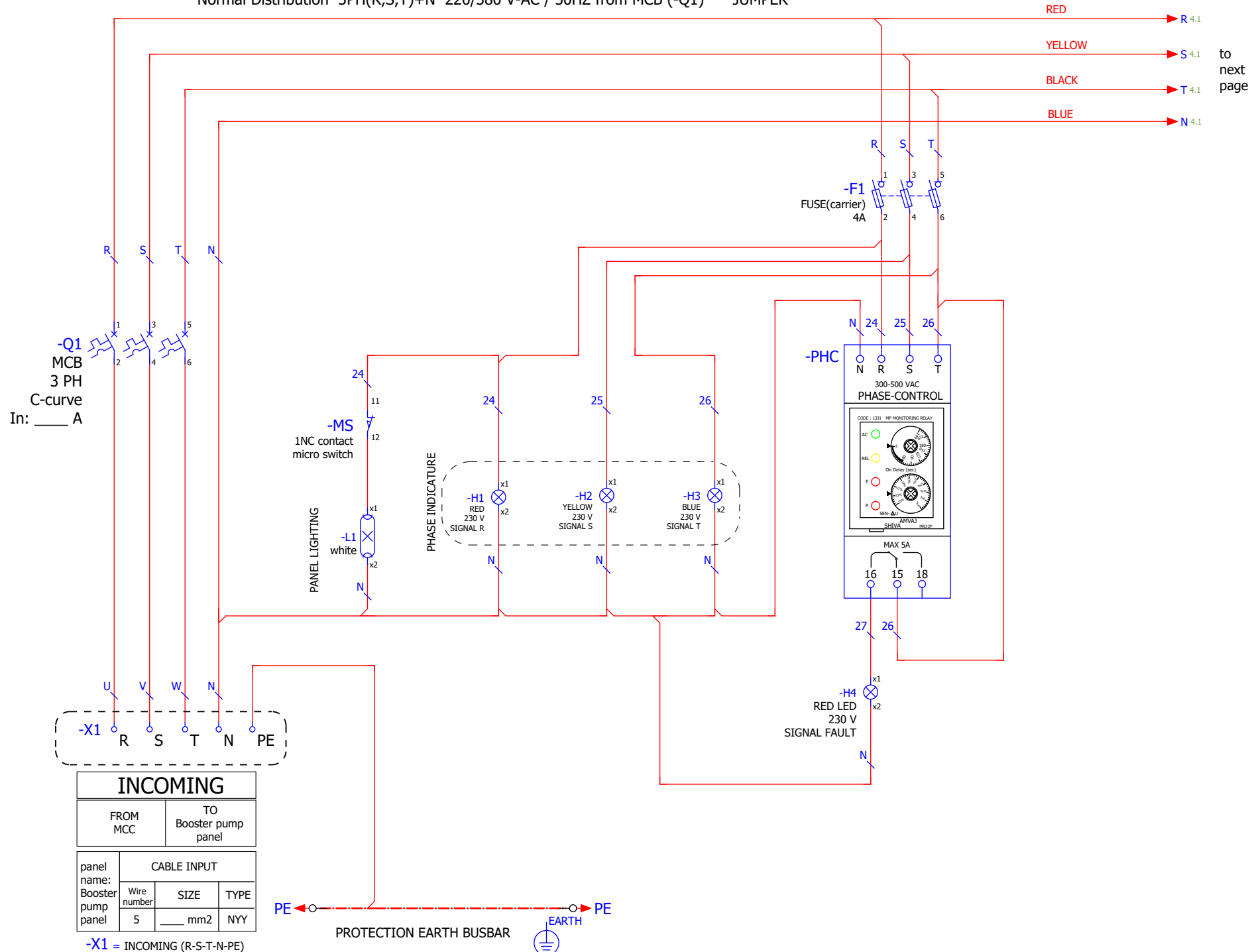
TAG	SIGN	DESCRIPTION	SYMBOL`s NAME	TAG	SIGN	DESCRIPTION	SYMBOL`s NAME
----		Auxiliary contact of control circuit diagram NO=normaly open NC=normaly close	CONTACT	-Q		MOTOR PROTECTION CIRCUIT BREAKER کلید حفاظتی اضافه بار موتور	MPCB
-U		Booster pump automatic control panel پنل کنترل اتوماتیک برنامه بوستر 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 بوبین کنتاکتور	BOIIN

	
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 5 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



ELECMARKETING

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 Boosterpump 5 Pump	Manufacturer : Elecmarketing company
CREATION DATE : 1403/10/1	Checked by : ENG.MOUSAVI
	Mounting panel : MCP panel
	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
PAGE



to
next
page

-Q2
MCB
1PH
C
6 A

-PS
POWER
SUPPLY
24 Vdc

SWITCHING POWER SUPPLY

ELECMARKETING

EMPS01

24 Vdc - 1A

185~260 V ac

24 - 28 Vdc

PE

N

L

+

-

PE

PE

N

L

+

-

PE

-F2
Terminal FUSE
glass fuse
4A

+

-

- / 6

+ / 6.1

to page 6

AUTO/HAND
selector switch
3 positions
2 NO contact

A/O/H

MANUAL OUTPUT

AUTO OUTPUT

-L2 / 7.1

to page 7

-L1 / 6.1

to page 6

ELECMARKETING

CREATOR :
Elecmarketing Group

Drawing by :
B.soltani

Page number : 4

Number of pages: 9

Page type :

Schematic multi-line

Page Description :

Hand & Auto diagram

Mounting panel : MCP panel

Project description:

Mode 5 & 6 Boosterpump
5 Pump

Manufacturer : Elecmarketing company

Power supply
3Phase 400 Vac/50HZ

CREATION DATE :

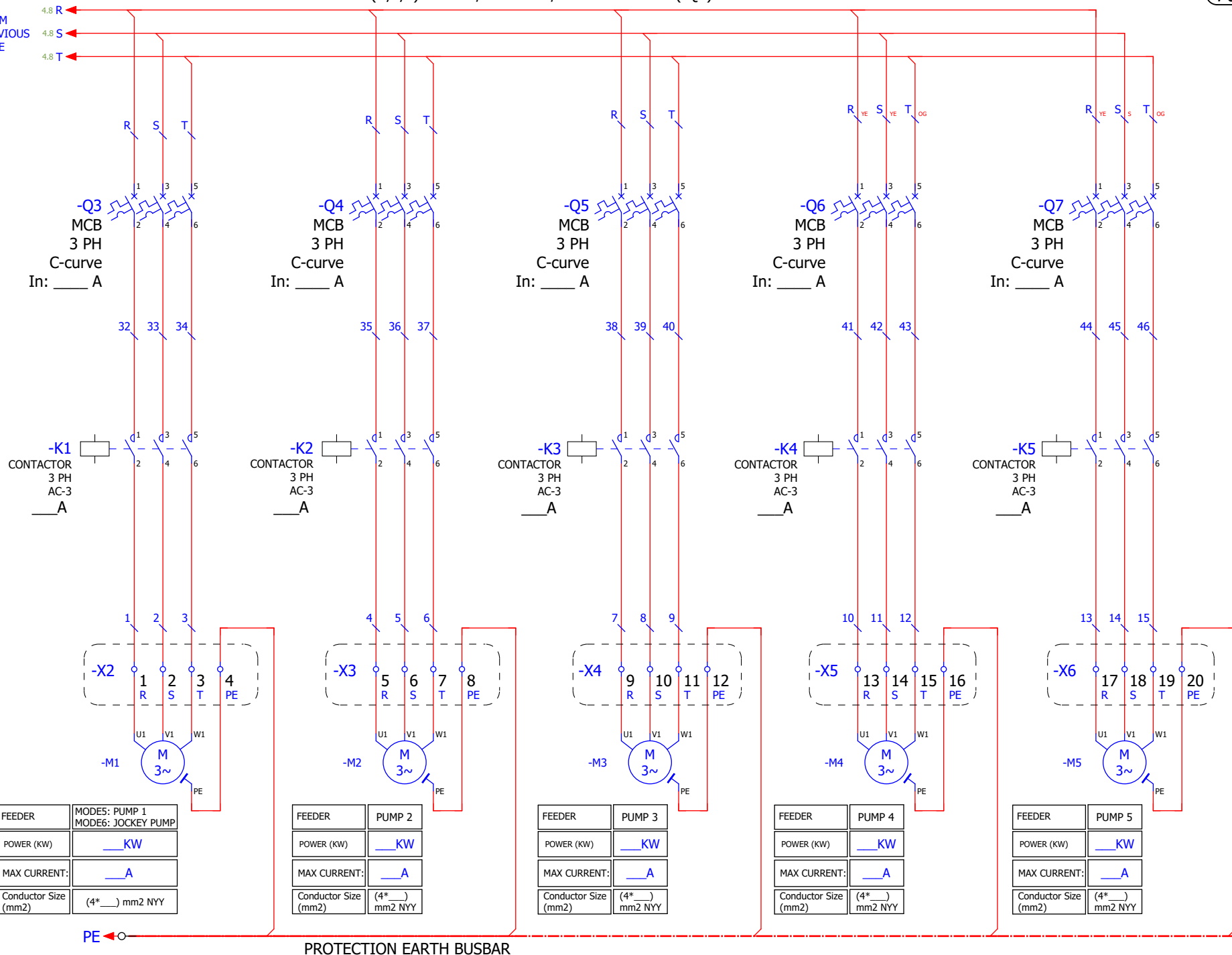
1403/10/1

Checked by :
ENG.MOUSAVI

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

Power circuit diagram

FROM
PREVIOUS
PAGE



ELECMARKETING

CREATOR :
Elecmarketing Group

Drawing by :
B.soltani

Page number : 5

Number of pages: 9

Page type :
Schematic multi-line

Page Description :
Power circuit diagram

Mounting panel : MCP panel

Project description:
Mode 5 & 6 Boosterpump
5 Pump

Manufacturer : Elecmarketing company

CREATION DATE :
1403/10/1

Power supply
3Phase 400 Vac/50HZ

Checked by :
ENG.MOUSAVI

230 Vac/50HZ from Selector switch HAND/AUTO (HAND MODE)

FROM
PAGE 4

MANUAL 4.7 / -L2

from output Relay of booster pump controller

FROM
PREVIOUS
PAGE

6.6 / L7

6.6 / L6

6.6 / L5

6.6 / L4

6.6 / L3

-P1 0/1
selector switch
2 positions
1 NO contact

-P2 0/1
selector switch
2 positions
1 NO contact

-P3 0/1
selector switch
2 positions
1 NO contact

-P4 0/1
selector switch
2 positions
1 NO contact

-P5 0/1
selector switch
2 positions
1 NO contact

-K1
COIL
230 V

1 2 /5.1
3 4 /5.1
5 6 /5.1
23 24 /6.2

-K2
COIL
230 V

1 2 /5.2
3 4 /5.3
5 6 /5.3
23 24 /6.2

-K3
COIL
230 V

1 2 /5.4
3 4 /5.4
5 6 /5.4
23 24 /6.3

-K4
COIL
230 V

1 2 /5.6
3 4 /5.6
5 6 /5.6
23 24 /6.4

-K5
COIL
230 V

1 2 /5.7
3 4 /5.7
5 6 /5.8
23 24 /6.4

+3PUMP-S-D/3.8 N

NULL

ELECMARKETING

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
5 Pump

Manufacturer :

Elecmarketing company

Power supply

3Phase 400 Vac/50HZ

CREATION DATE :

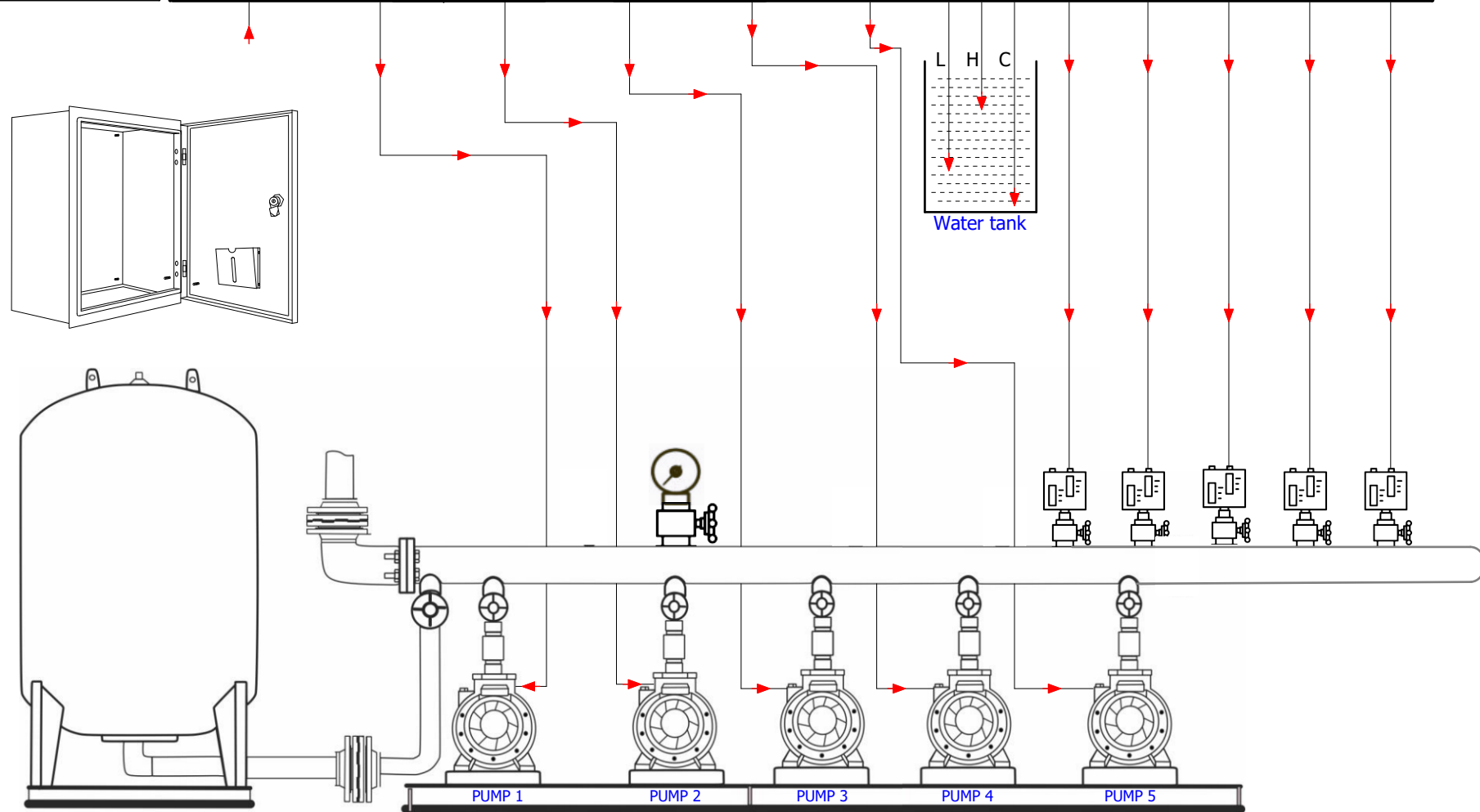
1403/10/1

Checked by :

ENG.MOUSAVI

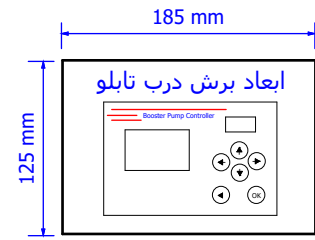
Booster pump overview

CONSUMER	Incoming	pump 1	pump 2	pump 3	pump 4	pump 5	Floater	Pressure Switch 1	Pressure Switch 2	Pressure Switch 3	Pressure Switch 4	Pressure Switch 5
TAG	-X1	-X2	-X3	-X4	-X5	-X6	-X7	-X8	-X9	-X10	-X11	-X12
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	30 31	32 33

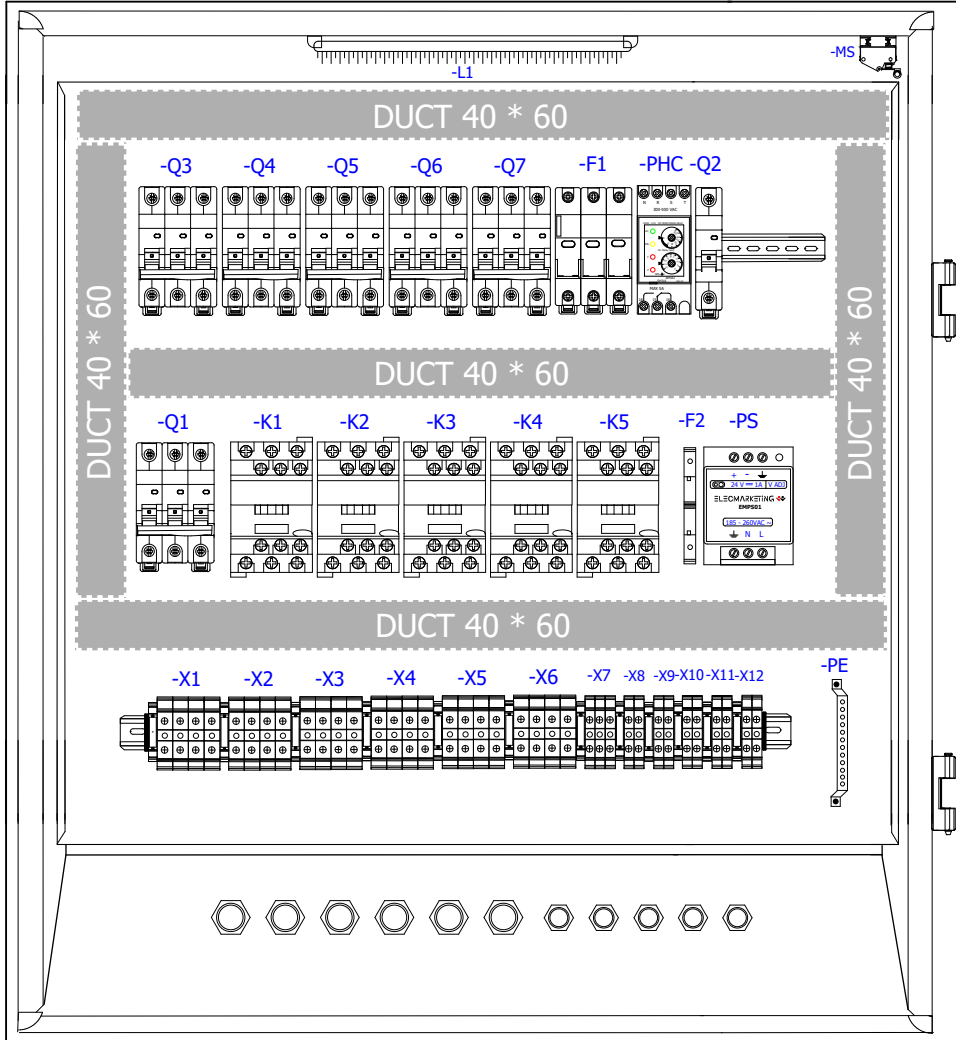
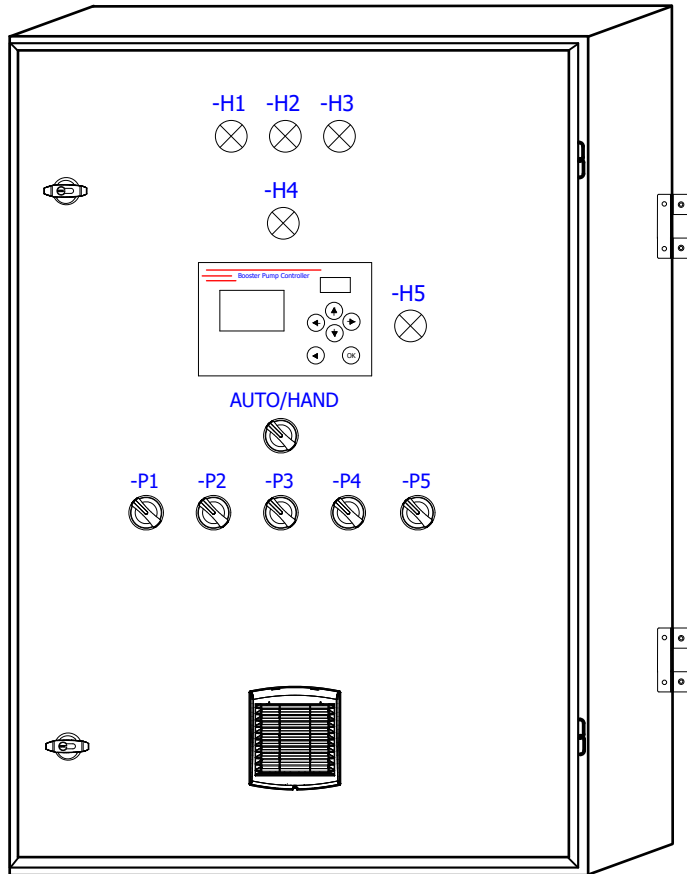


CREATOR : Elecmarketing Group	Drawing by : B.soltani
Page number : 8	Number of pages: 9
Page type : Graphic	Page Description : Booster pump overview
Project description: Mode 5 & 6 Boosterpump 5 Pump	Mounting panel : MCP panel
Manufacturer : Elecmarketing company	Power supply 3Phase 400 Vac/50HZ
CREATION DATE : 1403/10/1	Checked by : ENG.MOUSAVI

Panel layout



EXTERNAL VIEW



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