

ELECMARKETING

Creator: Elecmarketing company

Project name: [Booster pump - 1 DRIVE - 5 Pump](#)

Panel name: [Booster pump panel](#)

Working mode: [Mode 1](#)

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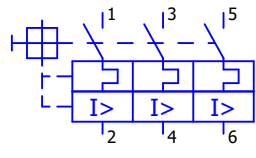
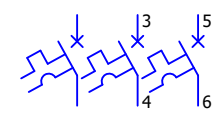
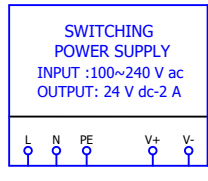
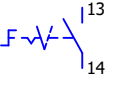
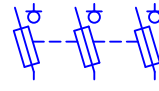
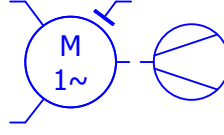
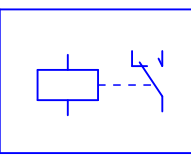
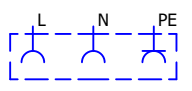
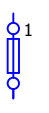
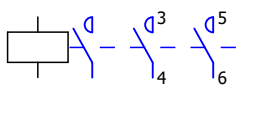
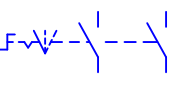
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CREATOR : Elecmarketing Group		Drawing by : B.soltani	
Page number : 1		Number of pages: 10	
Page type : Graphic	Page Description : Table of contents		Mounting panel :MCP panel
Project description: Mode 1 Boosterpump 1 DRIVE - 5 Pump	Manufacturer : Elecmarketing company		Power supply 3phase 400 Vac/50HZ
CREATION DATE : 1403/09/20	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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Page number : 2

Number of pages: 10

Page type :
Graphic

Page Description :
Symbol table

Mounting panel :MCP panel

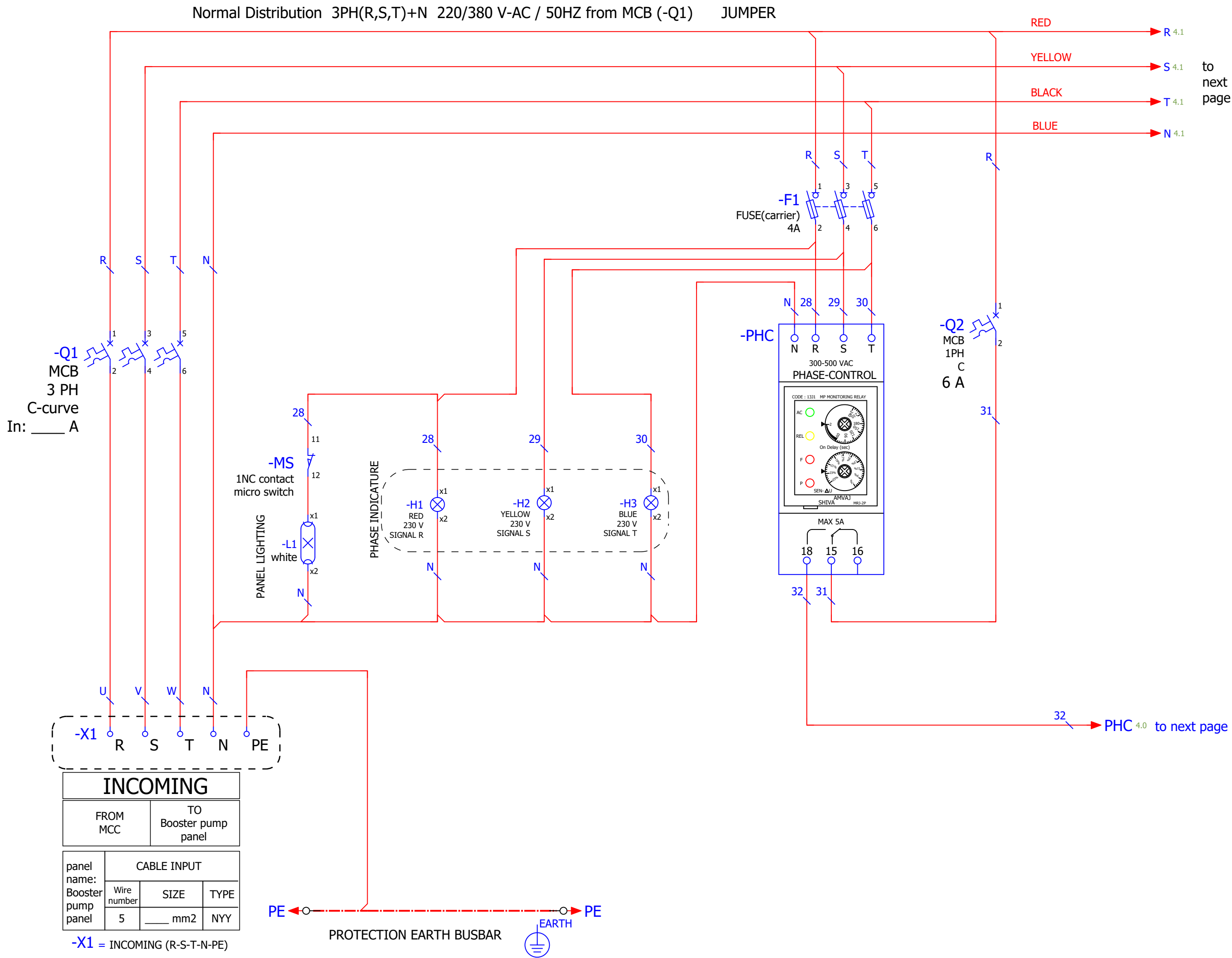
Project description:
Mode 1 Boosterpump
1 DRIVE - 5 Pump

Power supply
3Phase 400 Vac/50HZ

CREATION DATE :
1403/09/20

Manufacturer : Elecmarketing company

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INCOMING

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Page number : 3

Page type :
Schematic multi-line

Project description:
Mode 1 Boosterpump
1 DRIVE - 5 Pump

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Number of pages: 10

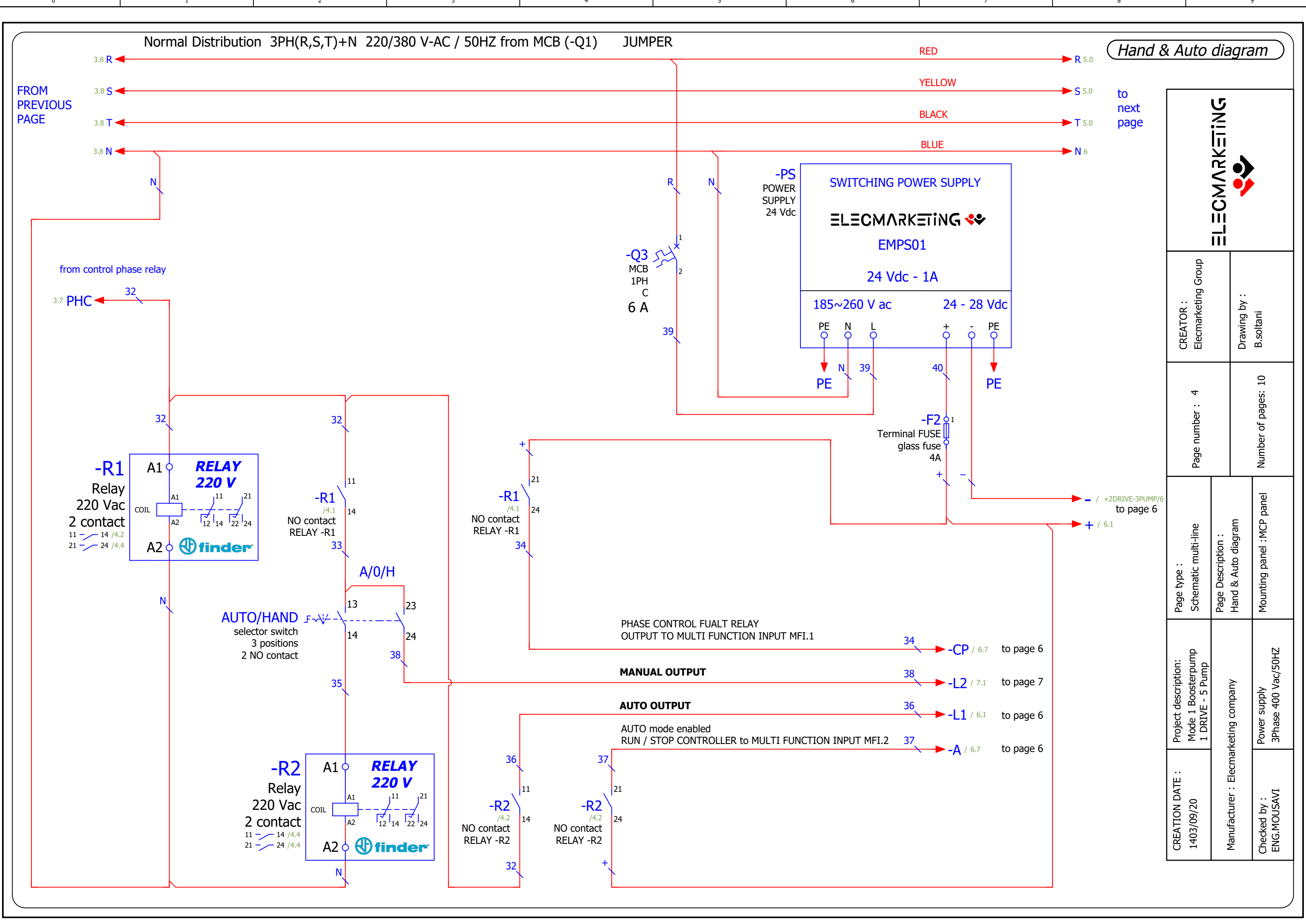
Page Description :
INCOMING

Manufacturer : Elecmarketing company

Mounting panel :MCP panel

Power supply
3Phase 400 Vac/50HZ

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Hand & Auto diagram

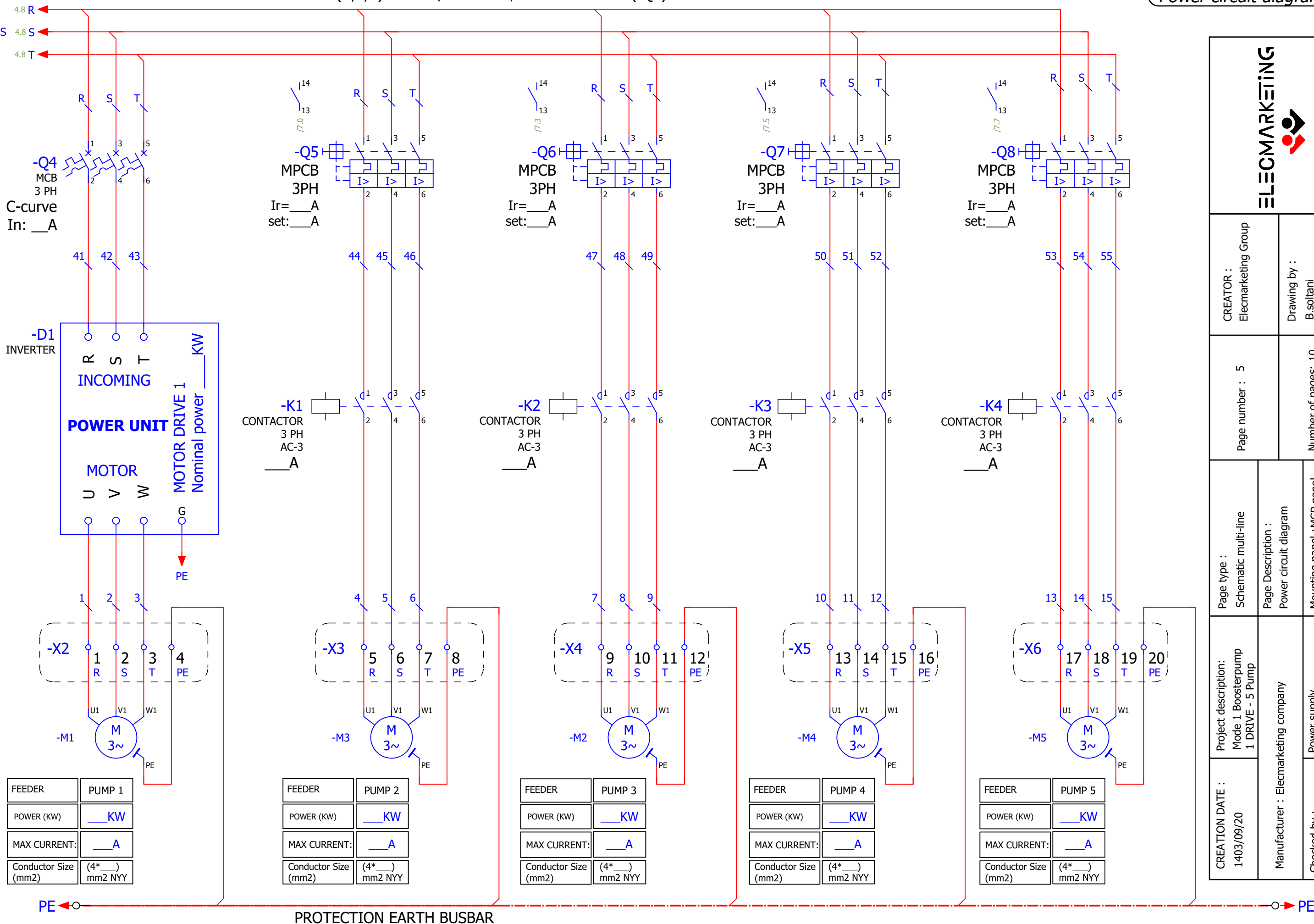
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CREATOR : Elecmarketing Group	Drawing by : B.soltani
Page number : 4	Number of pages: 10
Page type : Schematic multi-line	Page Description : Hand & Auto diagram
Project description: Mode 1 Boosterpump 1 DRIVE - 5 Pump	Power supply 3Phase 400 Vac/50HZ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

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

Power circuit diagram

FROM
PREVIOUS
PAGE



ELECMARKETING

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Page number : 5

Number of pages: 10

Page type :
Schematic multi-line

Page Description :
Power circuit diagram

Mounting panel : MCP panel

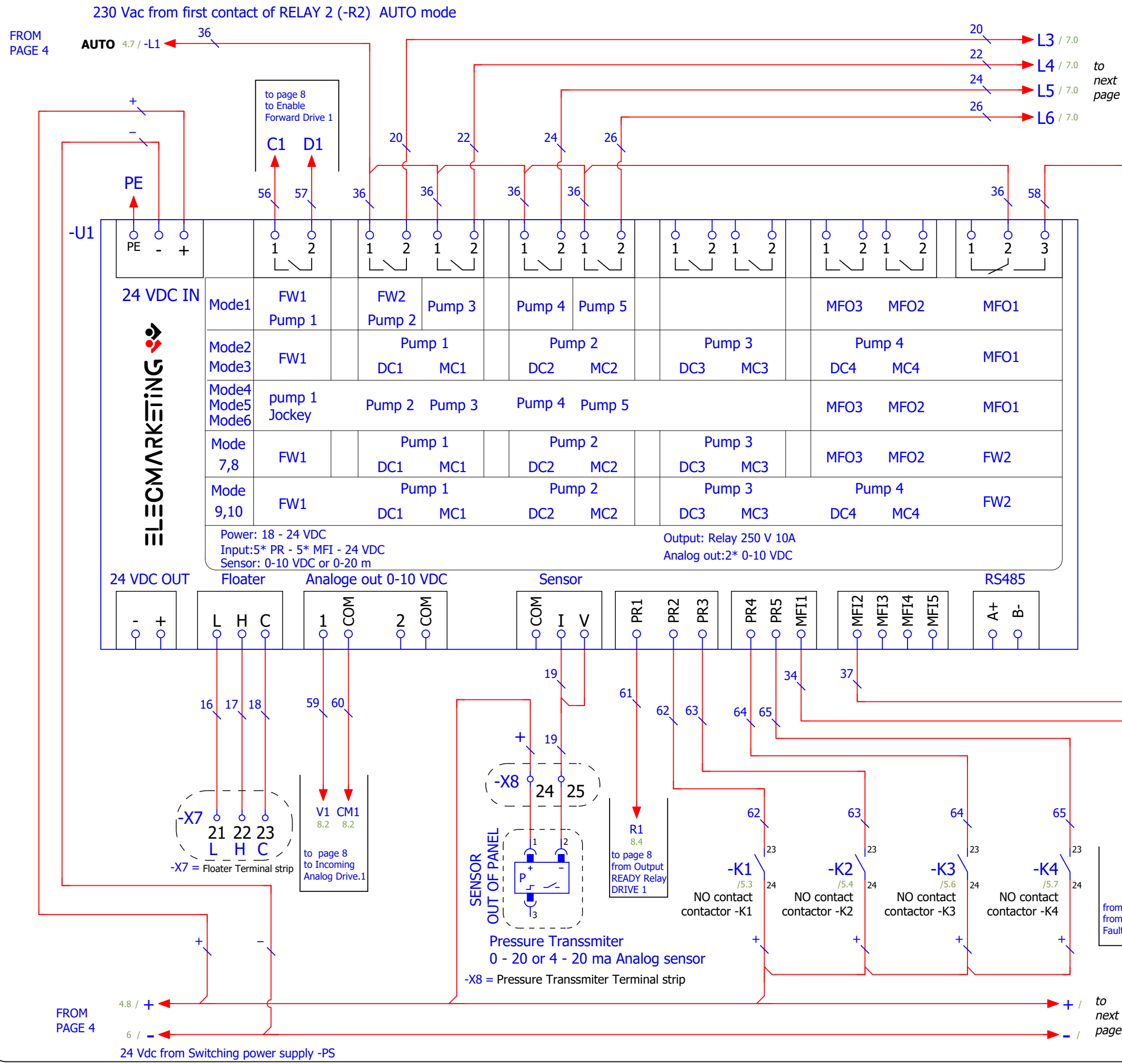
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Mode 1 Boosterpump
1 DRIVE - 5 Pump

Manufacturer : Elecmarketing company

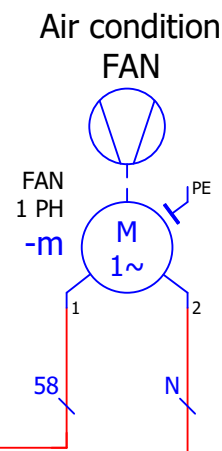
Power supply
3phase 400 Vac/50HZ

CREATION DATE :
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Controller schematic diagram



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		Project description: Mode 1 Boosterpump 1 DRIVE - 5 Pump	
CREATION DATE : 1403/09/20	Manufacturer : Elecmarketing company	Power supply 3phase 400 Vac/50HZ	
		Checked by : ENG.MOUSAVI	

230 Vac/50HZ from Selector switch HAND mode contact

Control circuit diagram

FROM
PAGE 4

MANUAL 4.7 / -L2

38

from output Relay of booster pump controller

6.6 / L6

26

6.6 / L5

24

6.6 / L4

22

6.6 / L3

20

FROM
PREVIOUS
PAGE

0/1 13
-P1 selector switch
2 positions
1 NO contact
14
21

0/1 13
-P2 selector switch
2 positions
1 NO contact
14
23

0/1 13
-P3 selector switch
2 positions
1 NO contact
14
25

0/1 13
-P4 selector switch
2 positions
1 NO contact
14
27

20
14
-Q5 NO contact
of MPCB -Q5
13
66

-X9 26 27

13
14
Pressure switch 1
NO contact
SENSOR
OUT OF PANEL

-X9 = Pressure switch Terminal strip

22
14
-Q6 NO contact
of MPCB -Q6
13
67

-X10 28 29

13
14
Pressure switch 2
NO contact
SENSOR
OUT OF PANEL

-X10 = Pressure switch Terminal strip

24
14
-Q7 NO contact
of MPCB -Q7
13
68

-X11 30 31

13
14
Pressure switch 3
NO contact
SENSOR
OUT OF PANEL

-X11 = Pressure switch Terminal strip

26
14
-Q8 NO contact
of MPCB -Q8
13
69

-X12 32 33

13
14
Pressure switch 4
NO contact
SENSOR
OUT OF PANEL

-X12 = Pressure switch Terminal strip

1 2 /5.3
3 4 /5.3
5 6 /5.3
23 24 /6.4

1 2 /5.4
3 4 /5.4
5 6 /5.5
23 24 /6.5

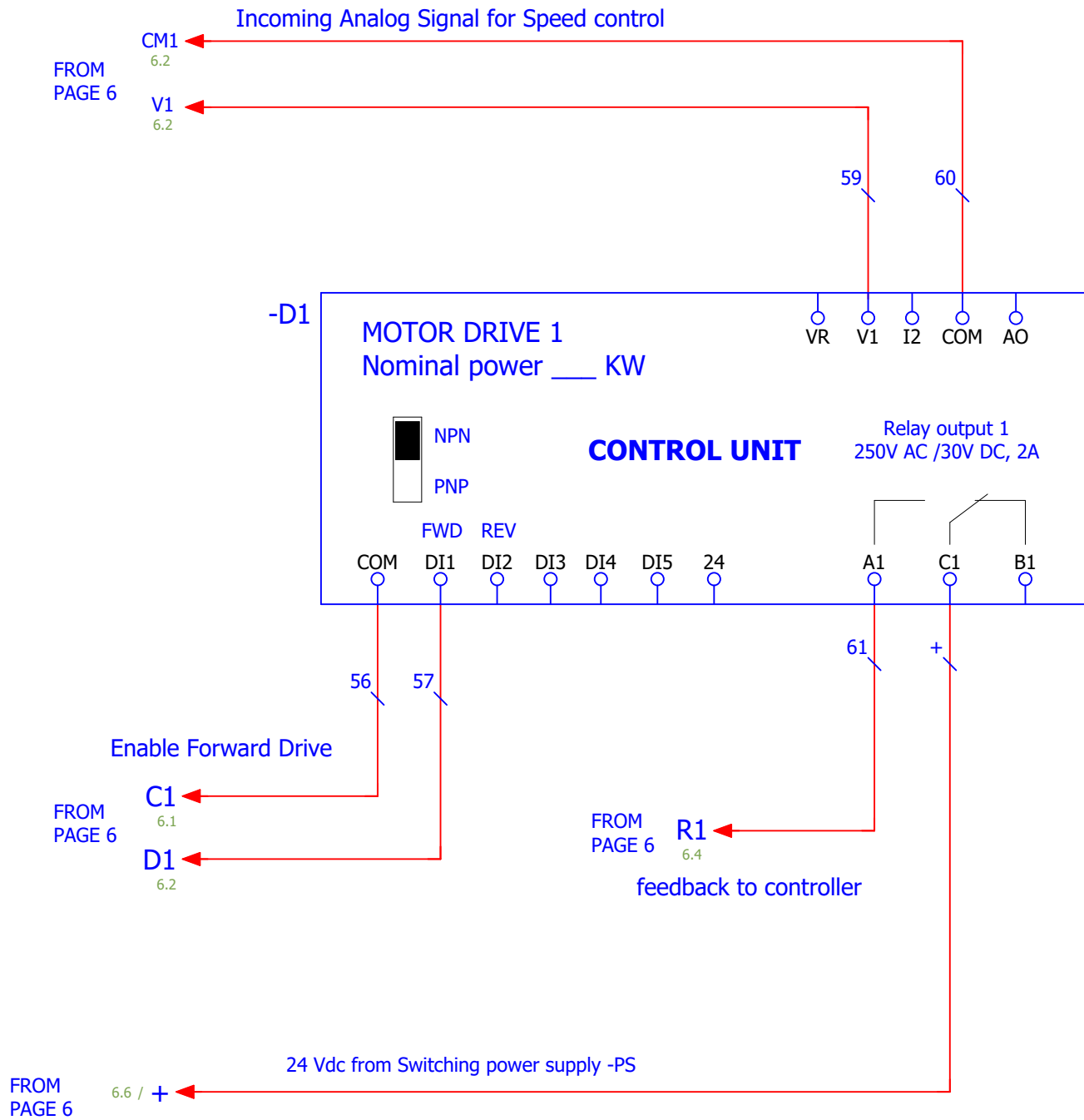
1 2 /5.6
3 4 /5.6
5 6 /5.6
23 24 /6.6

1 2 /5.7
3 4 /5.8
5 6 /5.8
23 24 /6.6

6 N
NULL

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Page number : 7	Number of pages: 10	
Page type : Schematic multi-line	Page Description : Control circuit diagram	Mounting panel :MCP panel
Project description: Mode 1 Boosterpump 1 DRIVE - 5 Pump	Manufacturer : Elecmarketing company	
CREATION DATE : 1403/09/20	Power supply 3Phase 400 Vac/50HZ	Checked by : ENG.MOUSAVI

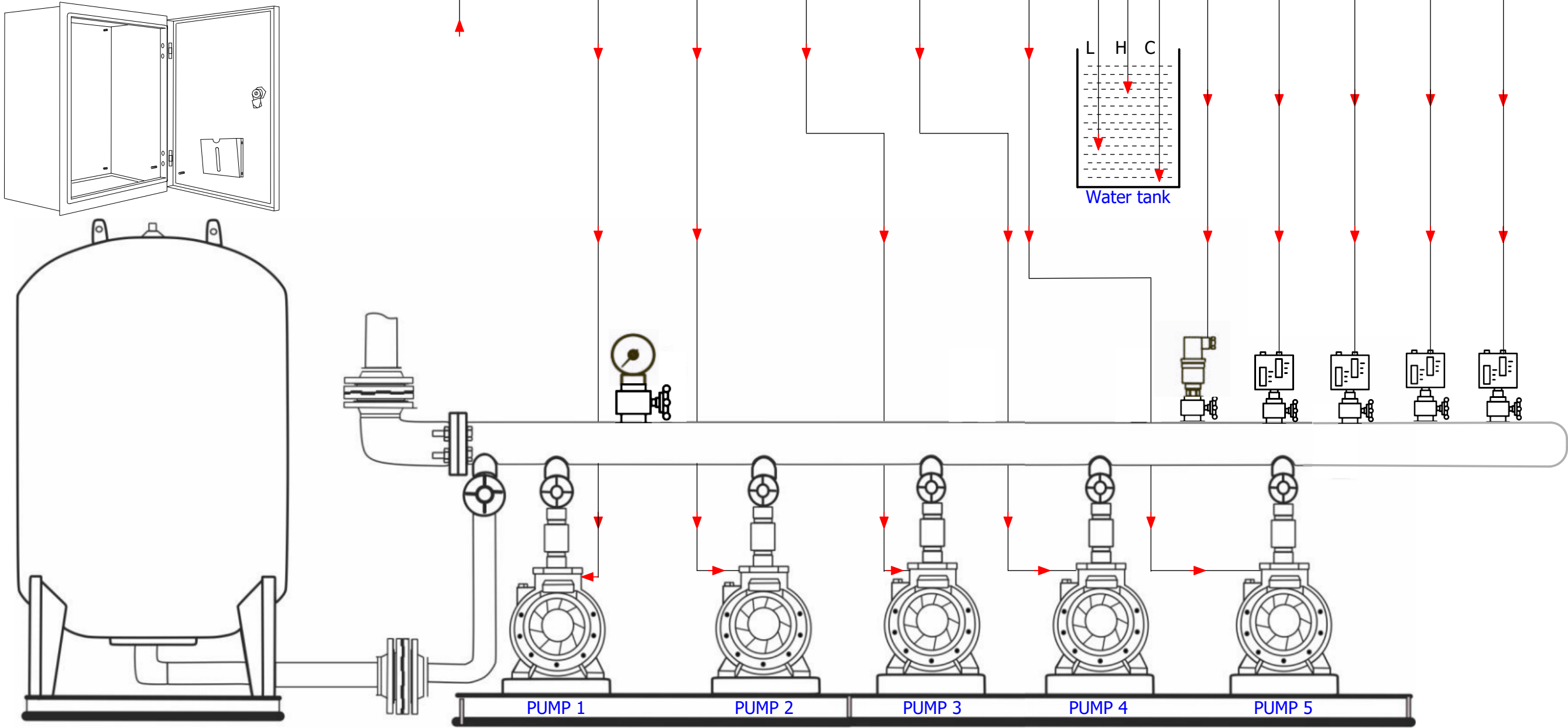
Drive circuit diagram



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Page number : 8		Number of pages: 10
Page type : Schematic multi-line	Page Description : Drive circuit diagram	
Project description: Mode 1 Boosterpump 1 DRIVE - 5 Pump		
CREATION DATE : 1403/09/20	Manufacturer : Elecmarketing company	
	Checked by : ENG.MOUSA VI	Power supply 3Phase 400 Vac/50HZ

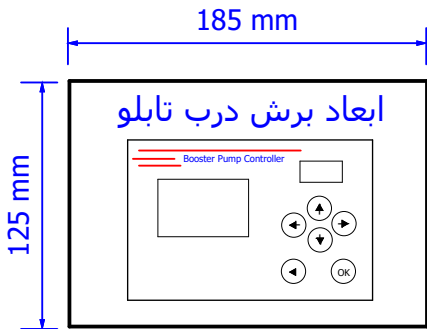
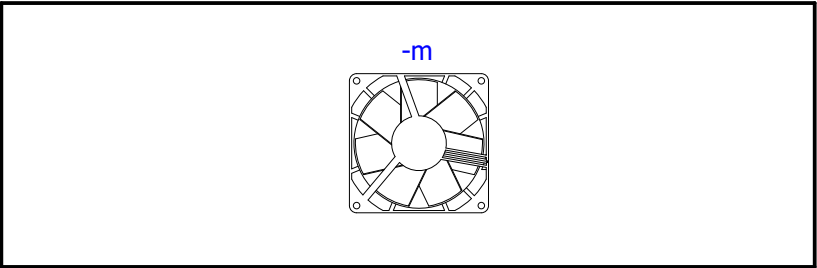
Booster pump overview

CONSUMER	Incoming	pump 1	pump 2	pump 3	pump 4	pump 5	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	-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

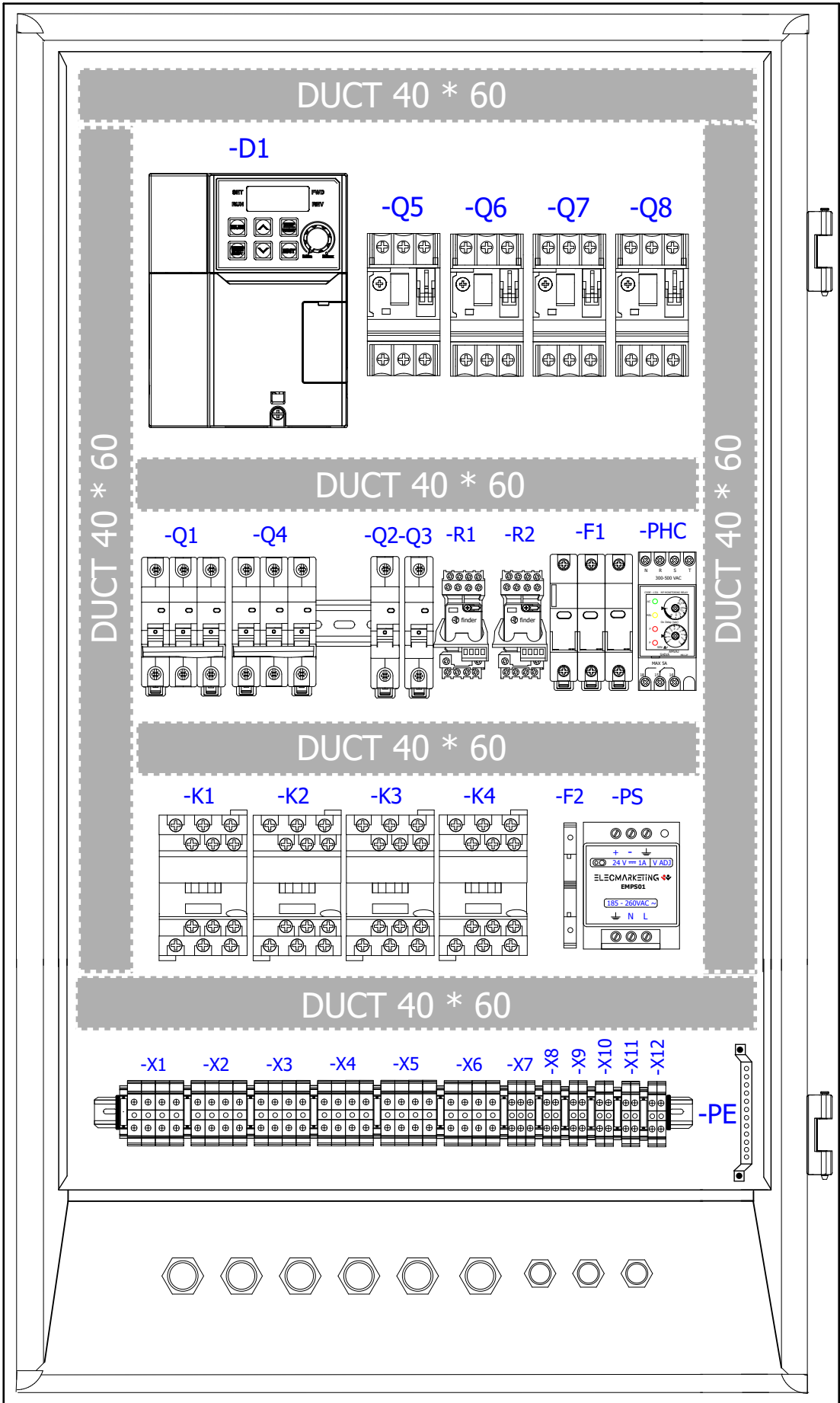
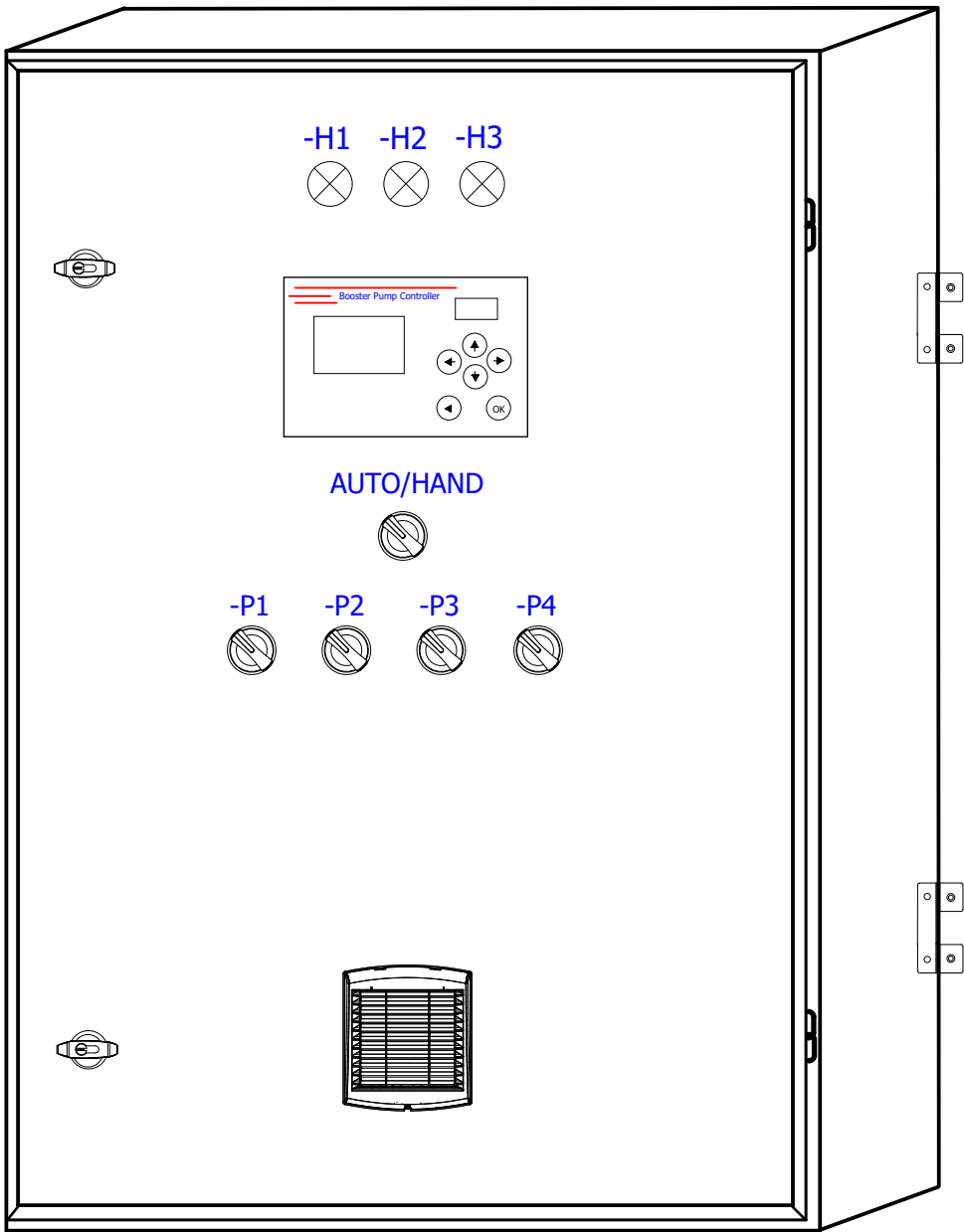


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Page type : Graphic	Page Description : Booster pump overview
Project description: Mode 1 Boosterpump 1 DRIVE - 5 Pump	Power supply 3phase 400 Vac/50HZ
CREATION DATE : 1403/09/20	Manufacturer : Elecmarketing company
	Checked by : ENG.MOUSAVI
	Mounting panel :MCP panel

TOP VIEW



EXTERNAL VIEW



Panel layout

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Page number : 10		Number of pages: 10	
Page type : Panel layout		Page Description : Panel layout	
Project description: Mode 1 Boosterpump 1 DRIVE - 5 Pump		Mounting panel :MCP panel	
CREATION DATE : 1403/09/20		Power supply 3Phase 400 Vac/50HZ	
Manufacturer : Elecmarketing company		Checked by : ENG.MOUSAVI	