DESIGN		VOLTAGE EXERCISE	400V 3P 50-60Hz	NORMS CEI EN 60204-1	PROTECTION
SERIES		VOLTAGE CONTROLS	230V	+	=
JOB		VOLTAGE SEGNALS	230V		
CUSTOMER					

REV.	DESCRIPTION	DATE	SIGN.		DATE	SIGN.
16	AGG. POTENZA	04/07/24	A.M.	DESIGN.	03/06/15	D.P.
15	AGG. FREQ. FUNZ.	16/04/21	G.M.	CHECK.	03/06/15	G.C.
14	AGG. S. FUNZ.	17/12/18	A.M.	APPROV.		
13	OPZ. GEST. FL.	18/09/17	A.M.			
12	OPZ. CAVI SCALD.	03/04/17	D.Q.			
11	OPZ. SCALDIGLIA	14/02/17	D.Q.			
10	REV. GENERALE	03/06/15	D.P.			

CONTROL PANEL
HPT 2P

825040022

SHEET
T.F.

REPL. THE:
REOL. BY:
FILE :

REV.	DESCRIPTION	DATE	SIGN.		
16	AGG. POTENZA	04/07/24	A.M.	DATE	09/10/2012
15	AGG. FREQUENZA FUNZIONAM.	16/04/21	G.M.	DESIGN.	Gardin
14	AGG. SEGNALI FUNZIONAMENTO	17/12/18	A.M.	CHECK.	
				APPROV.	

REPLACED THE:
REPLACED BY:
FILE :

JOB TITLE:
HPT 2P

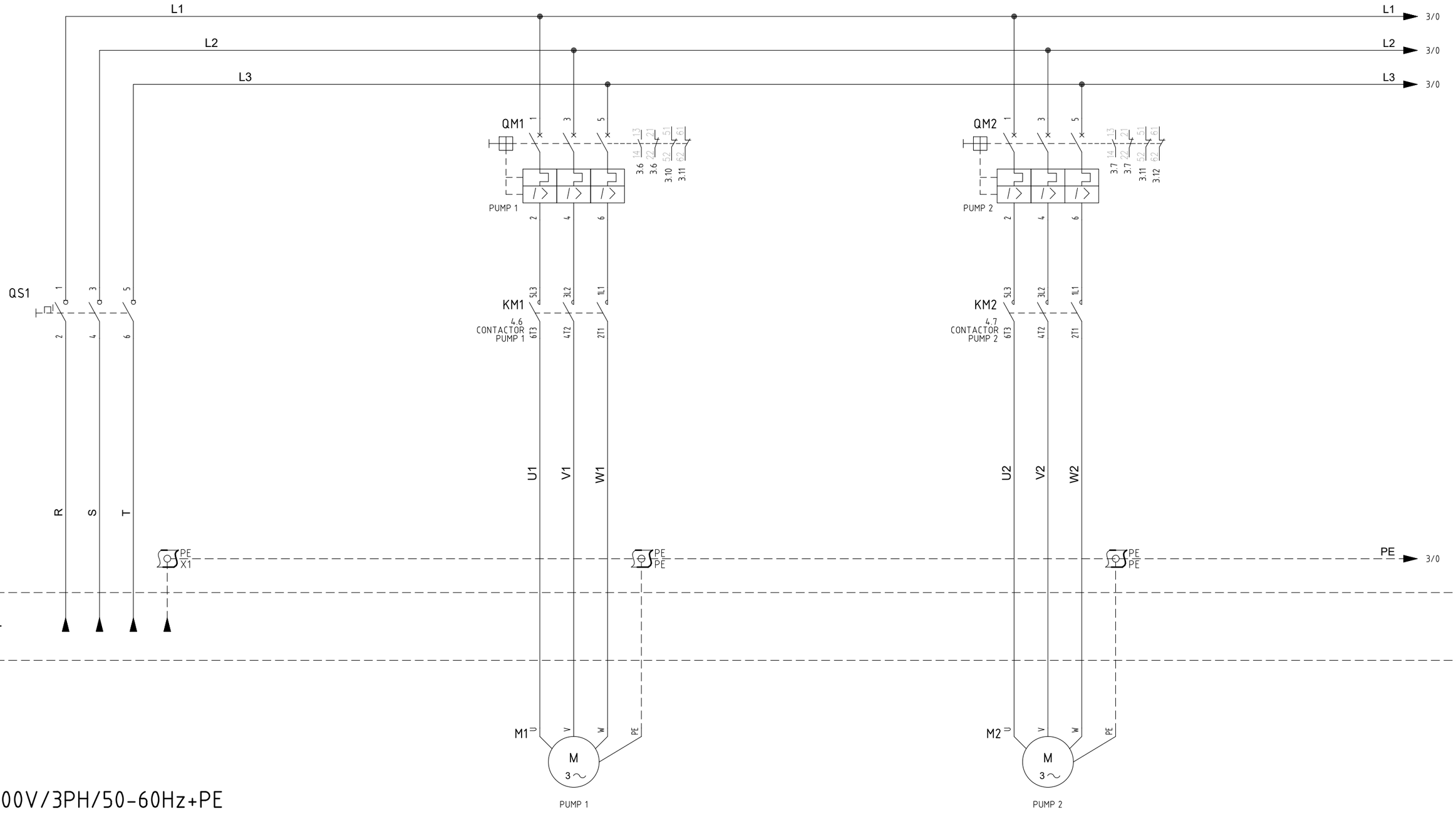
DESCRIPTION SHEET :
DATI IDENTIFICAZIONE QUADRO
IDENTIFICATION DATA PANEL

Wiring Diagram
825040022

=
+

FG. 1
F.S. 2
F.T. 7

This drawing is valid only after approval of the Trained Planner



400V/3PH/50-60Hz+PE

PROTEZIONE MAGNETOTERMICA
DIFFERENZIALE A CURA DEL CLIENTE
DIFFERENTIAL PROTECTION CIRCUIT
BY THE CUSTOMER

REV.	DESCRIPTION	DATE	SIGN.	APPROV.	
16	AGG. POTENZA	04/07/24	A.M.	DATE	09/10/2012
15	AGG. FREQUENZA FUNZIONAM.	16/04/21	G.M.	DESIGN.	Gardin
14	AGG. SEGNALI FUNZIONAMENTO	17/12/18	A.M.	CHECK.	

REPLACED THE: | REPLACED BY: | FILE :

JOB TITLE:
HPT 2P

DESCRIPTION SHEET :
ALIMENTAZIONE POMPE E AUSILIARI
AUXILIARY POWER AND PUMPS

Wiring Diagram
825040022

=
+

FG. 2
F.S. 3
F.T. 7

This drawing is valid only after approval of the Trained Planner

2.12 L1
2.12 L2
2.12 L3
2/12 PE

QM3
1 3 5
13 14 21 22
6.5 6.6
ANTIFREEZE HEATER HEATING CABLE
2 4 6

KM3
6.5
CONTACTOR ANTIFREEZE
5L3 3L2 1L1
6T3 4T2 2T1

U3 V3 W3

TERMINAL STRIP

PE PE

1R1 L1 L2 L3
HEATER

2R1 L1 L2 L3
HEATER

OPTIONAL 825050064

OPTIONAL 825050065

U3 V3 W3
X1 X1 X1

1R2 L1 L2 L3
HEATING CABLE

2R2 L1 L2 L3
HEATING CABLE

OPTIONAL 825050066

L1 /./
L2 /./
L3 /./

FU1
1 A
1 3
2 4
L11 L21

TC1
AUXILIARY TRANSFORMER
400V
230V
230.0

FU2
1 A
1
2

230V 4.0
0V 4.0

230.1 X1
230V X1

11
12

DISPONIBILE PER PULSANTE DI EMERGENZA
AVAILABLE FOR EMERGENCY BUTTON

REV.	DESCRIPTION	DATE	SIGN.	APPROV.	
16	AGG. POTENZA	04/07/24	A.M.	DATE	09/10/2012
15	AGG. FREQUENZA FUNZIONAM.	16/04/21	G.M.	DESIGN.	Gardin
14	AGG. SEGNALI FUNZIONAMENTO	17/12/18	A.M.	CHECK.	

REPLACED THE: | REPLACED BY: | FILE :

JOB TITLE:
HPT 2P

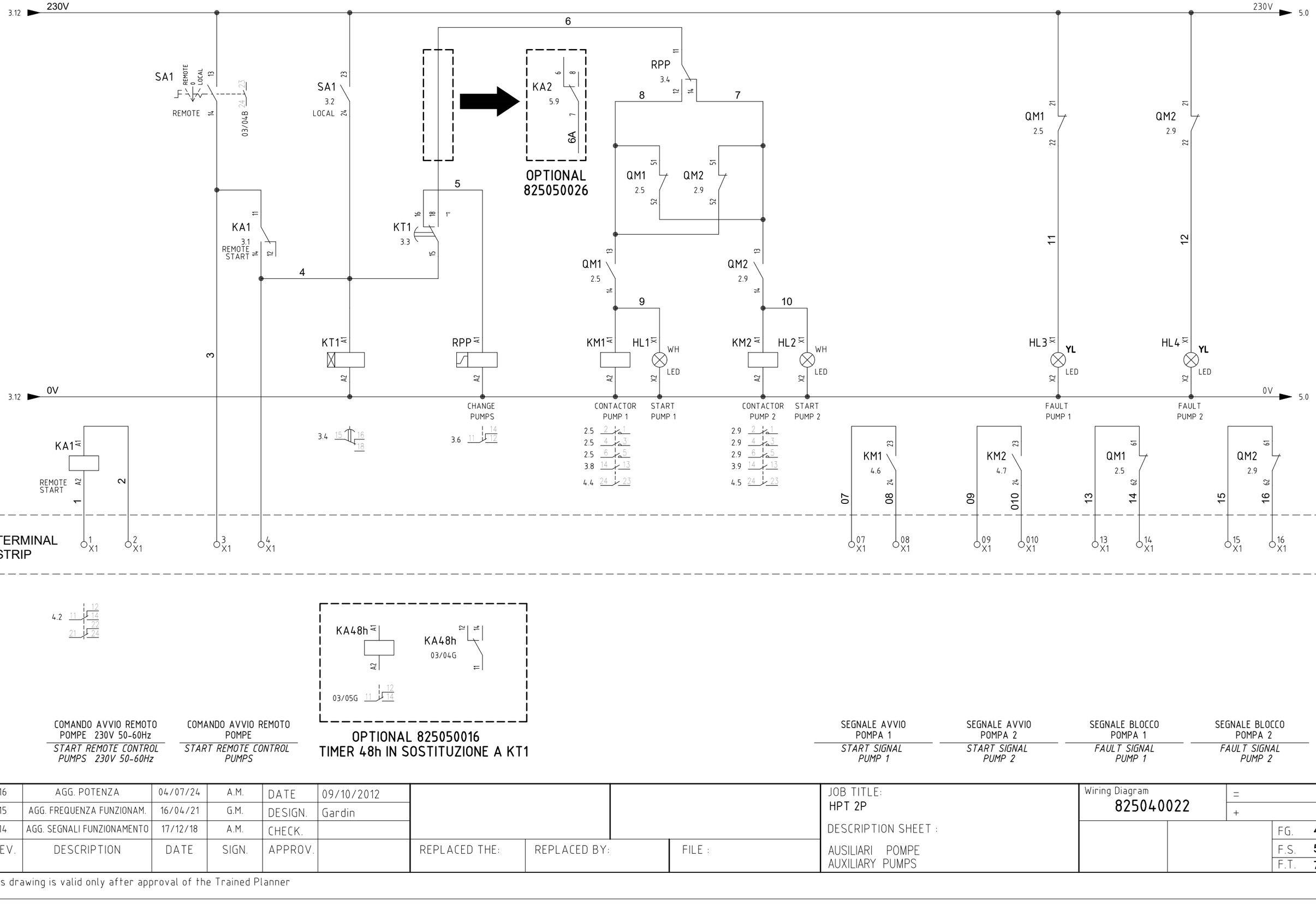
DESCRIPTION SHEET :
ALIMENTAZIONE POMPE E AUSILIARI
AUXILIARY POWER AND PUMPS

Wiring Diagram
825040022

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+

FG. 3
F.S. 4
F.T. 7

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COMANDO AVVIO REMOTO POMPE 230V 50-60Hz
START REMOTE CONTROL PUMPS 230V 50-60Hz

COMANDO AVVIO REMOTO POMPE
START REMOTE CONTROL PUMPS

SEGNALE AVVIO POMPA 1
START SIGNAL PUMP 1

SEGNALE AVVIO POMPA 2
START SIGNAL PUMP 2

SEGNALE BLOCCO POMPA 1
FAULT SIGNAL PUMP 1

SEGNALE BLOCCO POMPA 2
FAULT SIGNAL PUMP 2

REV.	DESCRIPTION	DATE	SIGN.	APPROV.
16	AGG. POTENZA	04/07/24	A.M.	
15	AGG. FREQUENZA FUNZIONAM.	16/04/21	G.M.	
14	AGG. SEGNALI FUNZIONAMENTO	17/12/18	A.M.	

DATE 09/10/2012
DESIGN. Gardin
CHECK.

REPLACED THE:
REPLACED BY:
FILE :

JOB TITLE:
HPT 2P

DESCRIPTION SHEET :
AUSILIARI POMPE
AUXILIARY PUMPS

Wiring Diagram
825040022

=
+

FG. 4
F.S. 5
F.T. 7

This drawing is valid only after approval of the Trained Planner

OPTIONAL 825050026

4.12 230V

230V 6.0

4.12 0V

0V 6.0

KM1 13 4.6 CONTACTOR PUMP 1 14

KM2 13 4.7 CONTACTOR PUMP 2 14

17

19

18

KT2 16 18 15 5.8

KA2 3 5 4 5.9

18A

SB1 11 RESET ALLARM 12

19

KT2 A1 A2

KA2 A1 A2

HL5 X1 YL LED X2

NO FLOW PUMPS

5.9 15 16 18

4.5 11 12 14

5.10 21 22 24

TERMINAL STRIP

17 X1

18 X1

18 X1

19 X1

230V X1

17 X1

P1 13 14 PRESSURE / FLOW SWITCH

P1 11 12 PRESSURE / FLOW SWITCH

PRESSOSTATO DIFF. / FLUSSOSTATO
DIFF. PRESSURE / FLOW SWITCH

MANCANZA FLUSSO POMPE
NO FLOW PUMPS

PRESSOSTATO DIFF. / FLUSSOSTATO
DIFF. PRESSURE / FLOW SWITCH

MANCANZA FLUSSO POMPE
NO FLOW PUMPS

REV.	DESCRIPTION	DATE	SIGN.	APPROV.	
16	AGG. POTENZA	04/07/24	A.M.	DATE	09/10/2012
15	AGG. FREQUENZA FUNZIONAM.	16/04/21	G.M.	DESIGN.	Gardin
14	AGG. SEGNALI FUNZIONAMENTO	17/12/18	A.M.	CHECK.	

REPLACED THE: | REPLACED BY: | FILE :

JOB TITLE: HPT 2P

DESCRIPTION SHEET : AUSILIARI POMPE AUXILIARY PUMPS

Wiring Diagram 825040022

= +

FG. 5

F.S. 6

F.T. 7

This drawing is valid only after approval of the Trained Planner

OPTIONAL 825050064 - 825050065 - 825050066

5.12 230V

230V /./

TH3

QM3 13
3.2 ANTIFREEZE HEATER 14

21

20

QM3 21
3.2 ANTIFREEZE HEATER 22

24

EH1

KM3 A1
A2

5.12 0V

0V /./

CONTACTOR ANTIFREEZE

3.2 2 1
3.2 4 3
3.2 6 5
14 13

22

23

TERMINAL STRIP

230V X1

20 X1

22 X1

23 X1

TH1 11
SAFETY THERMOSTAT 12

TH2 11
ANTIFREEZE THERMOSTAT 12

TERMOSTATO SICUREZZA ACCUMULO
SAFETY THERMOSTAT

TERMOSTATO ANTIGELO
ANTIFREEZE THERMOSTAT

SEGNALE BLOCCO ANTIGELO
FAULT SIGNAL ANTIFREEZE

OPTIONAL SCALDIGLIA
OPTIONAL HEATER

REV.	DESCRIPTION	DATE	SIGN.
16	AGG. POTENZA	04/07/24	A.M.
15	AGG. FREQUENZA FUNZIONAM.	16/04/21	G.M.
14	AGG. SEGNALI FUNZIONAMENTO	17/12/18	A.M.

DATE	09/10/2012	APPROV.	
DESIGN.	Gardin		
CHECK.			

REPLACED THE: | REPLACED BY: | FILE :

JOB TITLE: HPT 2P

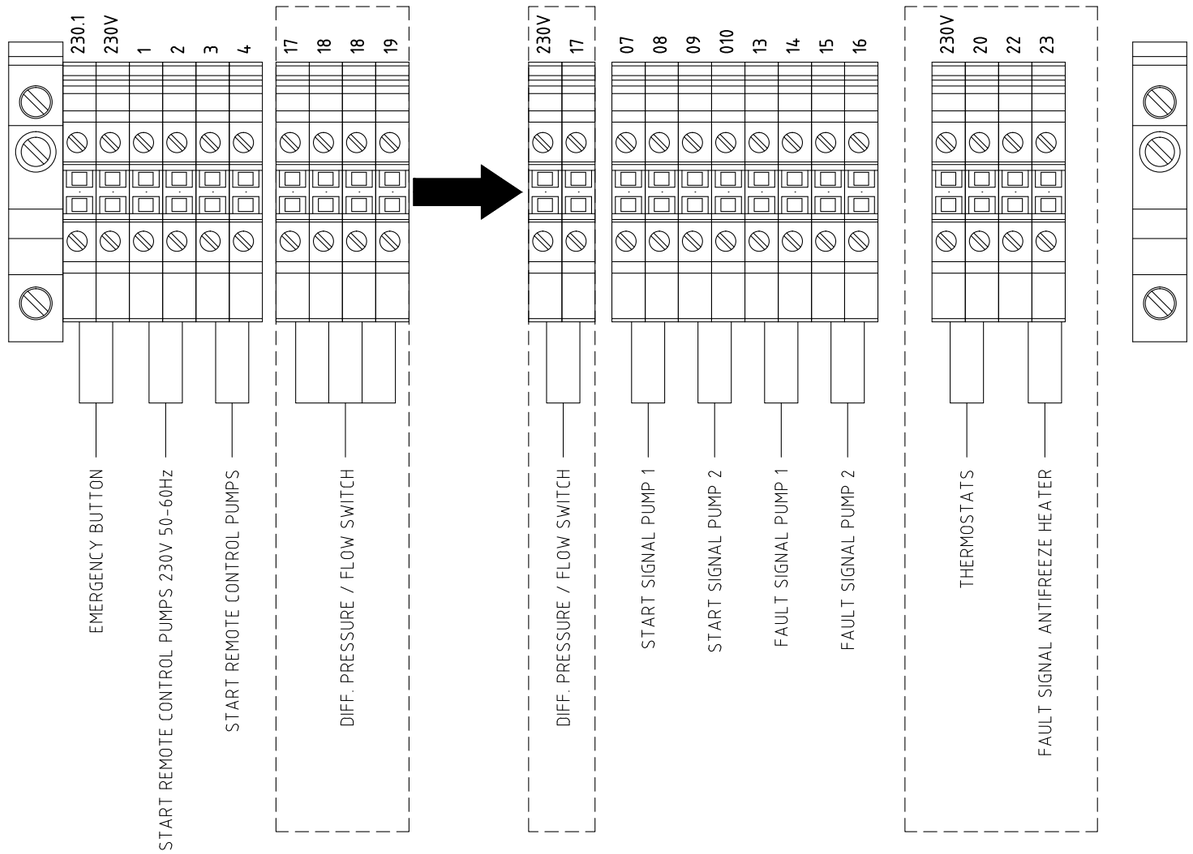
DESCRIPTION SHEET : AUSILIARI ANTIGELO / AUXILIARY ANTIFREEZE

Wiring Diagram 825040022

= +

FG. 6
F.S. 7
F.T. 7

This drawing is valid only after approval of the Trained Planner



OPTIONAL
825050026

OPTIONAL
825050064
825050065
825050066

REV.	DESCRIPTION	DATE	SIGN.	APPROV.	
16	AGG. POTENZA	04/07/24	A.M.	DATE	09/10/2012
15	AGG. FREQUENZA FUNZIONAM.	16/04/21	G.M.	DESIGN.	Gardin
14	AGG. SEGNALI FUNZIONAMENTO	17/12/18	A.M.	CHECK.	

REPLACED THE:

REPLACED BY:

FILE :

JOB TITLE:
HPT 2P

DESCRIPTION SHEET :
MORSETTIERA
TERMINAL STRIP

Wiring Diagram
825040022

=

+

FG. 7

F.S. /

F.T. 7

This drawing is valid only after approval of the Trained Planner