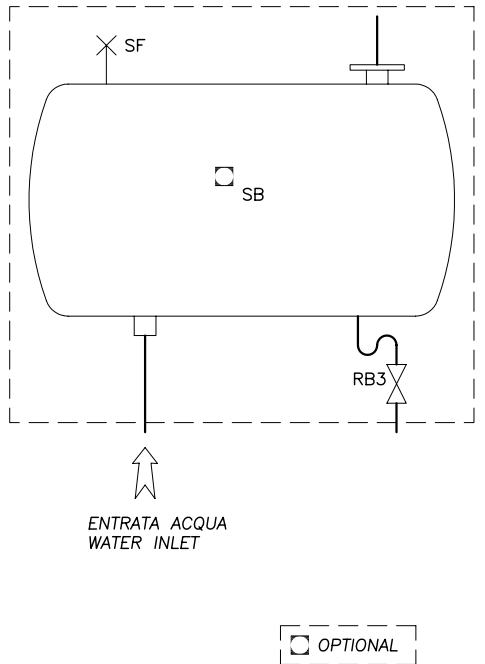


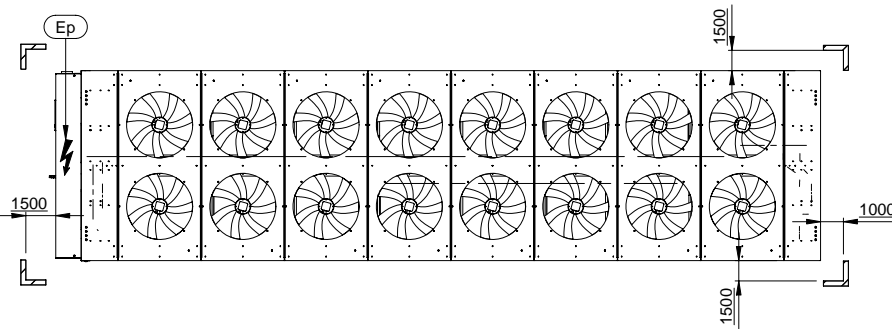
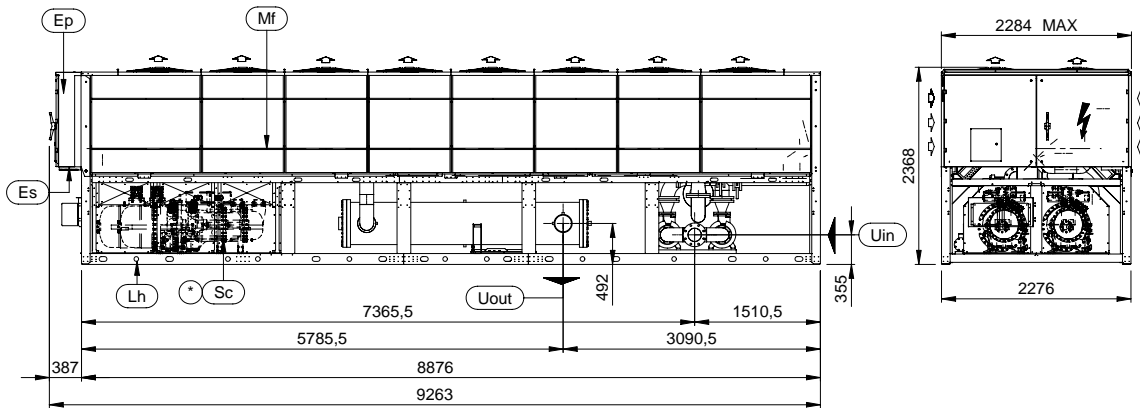
Pos.	Descrizione	Description
03	EVAPORATORE	EVAPORATOR
27	ELETTRIVENTOLA	ELECTRIC FAN
BA	BATTERIA AD ACQUA	WATER COIL
EL	ELETTROPOMPA	ELECTRIC PUMP
FL	FLUSSOSTATO	FLOW SWITCH
PA	POZZETTO SONDA ANTIGELO	LOW WATER TEMPERATURE POCKET
PF	POZZETTO PER SONDA INGRESSO ACQUA	INLET PROBE POCKET
PS	POZZETTO PER SONDA ACQUA RITORNO	RETURN WATER POCKET
RB	RUBINETTO	SHUT-OFF VALVE
SB	SERBATOIO DI ACCUMULO	STORAGE TANK
SC	SERVOCOMANDO	SERVO CONTROL
SF	VALVOLA DI SFIATO	BLEED VALVE
V3	VALVOLA A TRE VIE	3-WAY VALVE
VE	VASO DI ESPANSIONE	EXPANSION VESSEL
VP	VALVOLA CONTROLLO PORTATA	WATER FLOW CONTROL VALVE
VR	VALVOLA DI RITEGNO	CHECK VALVE

85.2	A	M
	6"	6"



OPTIONAL

Rev.	Date-Date	Dis.-Draftsman	Visto-Checked by	Descrizione revisione-Revision description	Codice-Code	Disegno-Drawing	Rev.
						A49961	A
Denominazione-Denomination				Codice-Code		Disegno-Drawing	
SCHEMA CIRCUITO IDRAULICO KAPPA EVO FC						A49961	
HYDRAULIC CIRCUIT DIAGRAM						A	
	Scala-Scale	Data-Date	Dis.-Draftsman	Visto-Checked by	Foglio Sheet	N. 1 di 1	
		27/11/07	R.Crivellaro	G.Morosin		1	
Sost. il dis.-Replace draw.			Sost. dal dis.-Replaced by draw.			Ordine-Order	
Materiale-Material			Trattamento-Treatment			Peso-Weight (kg)	
						G R O U P Proprietà riservata-Riproduzione vietata a termini di legge-Copyright MTP56-Rev.00-29/06/04	

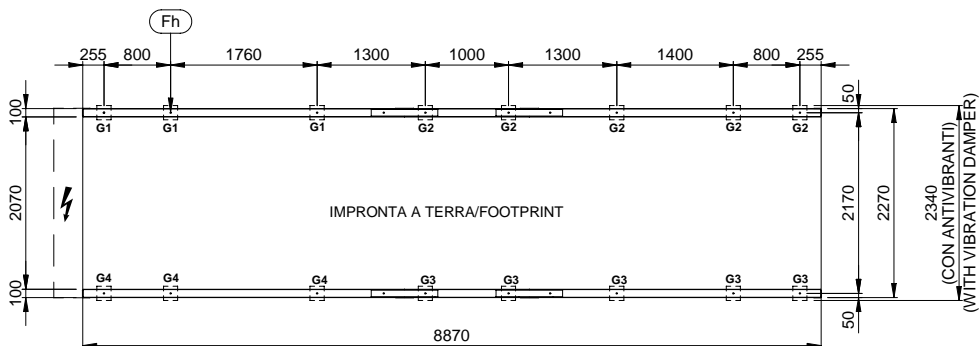


Uin	INGRESSO ACQUA UTILIZZO USER WATER INLET	DN150 PN16
Uout	USCITA ACQUA UTILIZZO USER WATER OUTLET	OD 219.1
Mf	FILTRI METALLICI METALLIC FILTER	
Ep	QUADRO ELETTRICO ELECTRICAL PANEL	
Es	INGRESSO ALIMENTAZIONE ELETTRICA ELECTRICAL SUPPLY INLET	

Lh	FORI DI SOLLEVAMENTO LIFTING HOLES
	FLUSSO ARIA CONDENSAZIONE CONDENSING AIR FLOW
Sc	CUFFIA INSONORIZZANTE SOUNDPROOF CASING
	SPAZI DI INSTALLAZIONE CLEARANCES

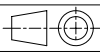

* OPTIONAL

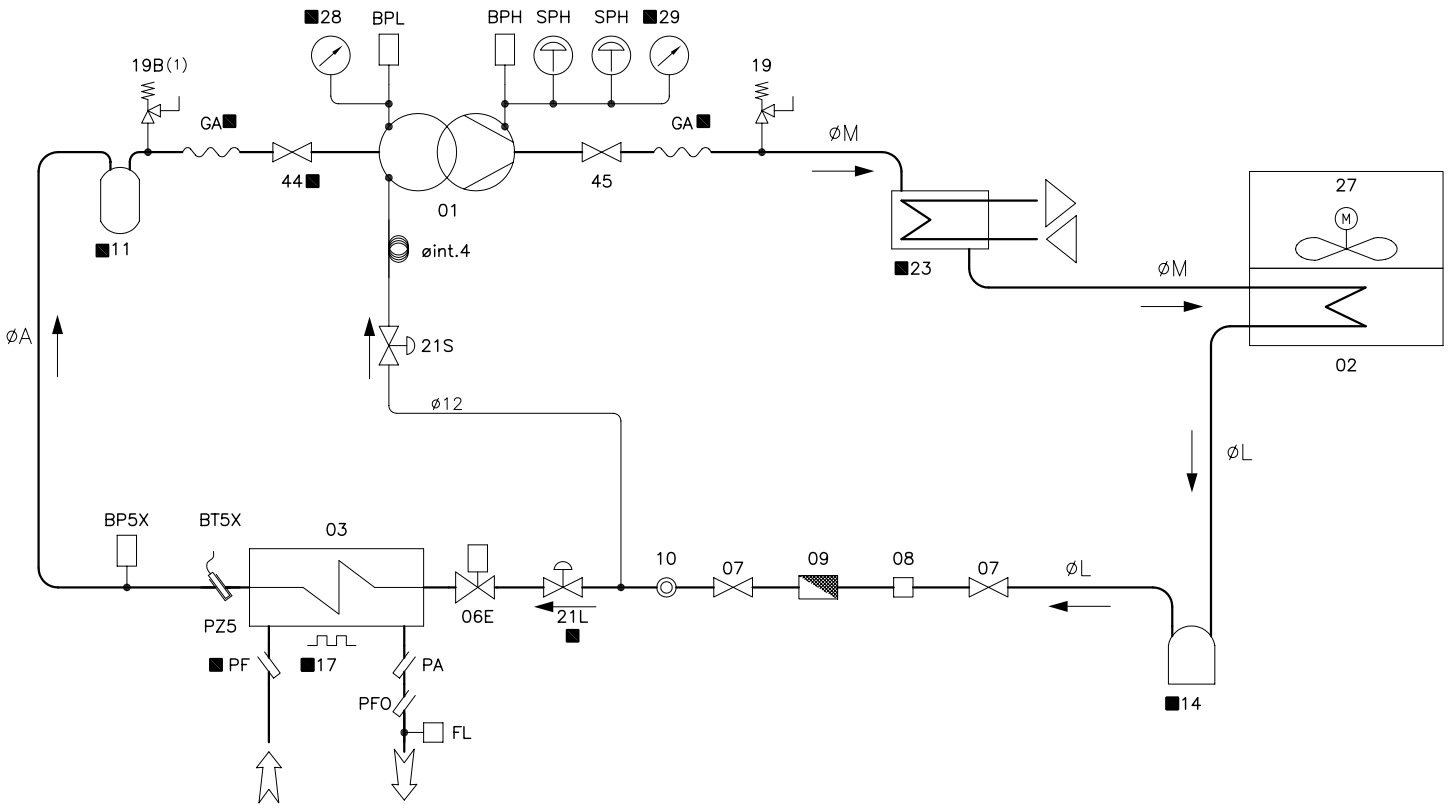
B	29/11/07	A.Greguoldo	G.Morosin	Aggiunte posizioni attacchi e pesi
Rev.	Data-Date	Dis.-Draftsman	Visto-Checked by	Descrizione revisione-Revision description
Denominazione-Denomination SCHEMA DIMENSIONALE DIMENSIONAL DRAWING				Codice-Code -
KAPPA V ENERGY EVO 85.2 FC ST 2P LN				Disegno-Drawing A49886
Sost. il dis.-Replace draw.				Sost. dal dis.-Replaced by draw.
Materiale-Material		Spessore-Thickness		Colore vernice-Painted colour
Proprietà riservata - Riproduzione vietata a termini di legge - Copyright MTE 56 rev. 01 data: 29/06/05				BLUE BOX G R O U P



MODELLO MODEL	PESO(Kg) WEIGHT(Kg)	PESO IN FUNZIONE(Kg) OPERATING WEIGHT(Kg)	G1(Kg)	G2(Kg)	G3(Kg)	G4(Kg)
KAPPA V ENERGY EVO FC-ST 2P 85.2	6980	7750	712	393	350	633
KAPPA V ENERGY EVO FC-ST 2P-LN 85.2	7379	8149	783	391	349	700

Fh	FORI DI FISSAGGIO FIXING HOLES	Ø18
G..	PUNTI DI APPOGGIO ANTIVIBRANTI VIBRATION DAMPER FOOT HOLDS	

B	29/11/07	A.Greguoldo	G.Morosin	Aggiunte posizioni attacchi e pesi			
Rev.	Data-Date	Dis.-Draftsman	Visto-Checked by	Descrizione revisione-Revision description			
Denominazione-Denomination			Codice-Code		Disegno-Drawing		Rev.
SCHEMA DIMENSIONALE DIMENSIONAL DRAWING			KAPPA V ENERGY EVO 85.2 FC ST 2P LN		-		A49886
 Scala-Scale 1:70			Dis.-Draftsman GREGUOLDO		Visto-Checked by MOROSIN		 BLUE BOX G R O U P
Sost. il dis.-Replace draw.			Sost. dal dis.-Replaced by draw.		Foglio Sheet N. 2 of 2		
Materiale-Material		Spessore-Thickness		Trattamento-Treatment		Peso-Weight [kg]	
				Colore vernice-Painted colour		Proprietà riservata - Riproduzione vietata a termini di legge - Copyright MTE 56 rev. 01 data: 29/06/05	



(1) SOLO CON SCAMBIATORE 03 CON UNA PRESSIONE DI PROGETTO INFERIORE ALLA PRESSIONE DI TARATURA DELLA VALVOLA DI SICUREZZA 19.
 ONLY IF THE DESIGN PRESSURE OF THE PLATE-EXCHANGER 03 IS LOWER THAN THE SETTING PRESSURE OF THE VALVE 19.

■ OPZIONALE / OPTIONAL

DESCRIZIONE	DESCRIPTION
01	COMPRESSORE
02	CONDENSATORE
03	EVAPORATORE
06E	VALVOLA TERMOSTATICA ELETTRICA
07	RUBINETTO LINEA DEL LIQUIDO
07I	RUBINETTO INIEZIONE LIQUIDO
08	PRESA DI CARICA
09	FILTRO
10	INDICATORE DI UMIDITA'
11	SEPARATORE DI ASPIRAZIONE
13S	VALVOLA NON RITORNO INIEZ. DEL LIQ. COMPRESS.
14	RICEVITORE DI LIQUIDO
17	RESISTENZA ELETTRICA
19	VALVOLA DI SICUREZZA DI ALTA PRESSIONE
19B	VALVOLA DI SICUREZZA DI BASSA PRESSIONE
21L	VALVOLA SOLENOIDE
21S	VALVOLA SOLENOIDE INIEZ. DEL LIQ. COMPRESS.
23	DESURRISCALDATORE
27	ELETTROVENTOLA
28	MANOMETRO BASSA PRESSIONE
29	MANOMETRO ALTA PRESSIONE
44	RUBINETTO COMPRESSORE BASSA PRESSIONE
45	RUBINETTO COMPRESSORE ALTA PRESSIONE
BP5X	TRASDUTTORE DI PRESS. VALVOLA ESP. ELETT.
BPH	TRASDUTTORE DI ALTA PRESSIONE
BPL	TRASDUTTORE DI BASSA PRESSIONE
BT5X	SONDA DI TEMP. VALVOLA TERMOSTATICA
FL	FLUSSOSTATO
GA	GIUNTO ANTIVIBRANTE
PA	POZZETTO PER Sonda ANTIGELO
PF	POZZETTO PER Sonda INGRESSO ACQUA
PFO	POZZETTO PER Sonda USCITA ACQUA
PZ5	POZZETTO Sonda TEMP. VALVOLA ESP. ELETTR.
SPH	PRESSOSTATO ALTA PRESSIONE

KAPPA V. ECHOS					
	ØA	ØM	ØL	CAPILL. INT. LIQ. Øint. 4mm	N° VALV. 19
85.2	108	67	54		2

Rev.	Data-Date	Dis.-Draftsman	Visto-Checked by	Descrizione revisione-Revision description	Codice-Code	Disegno-Drawing	Rev.
						A49960	A
Denominazione-Denomination SCHEMA CIRCUITO FRIGORIFERO REFRIGERANT CIRCUIT DIAGRAM				KAPPA V ENERGY EVO - FC COMPRESSOR REFCOMP			
Scala-Scale		Data-Date	Dis.-Draftsman	Visto-Checked by	Foglio Sheet	N. 1 di 1	
		04/07/07	D. Malusa	G. Morosin			
Sost. il dis.-Replace draw.			Sost. dal dis.-Replaced by draw.			Ordine-Order	
Materiale-Material			Trattamento-Treatment			Peso-Weight (kg)	
						G R O U P Proprietà riservata-Riproduzione vietata a termini di legge-Copyright MTP56-Rev.00-29/06/04	

SPECIFICHE ELETTRICHE / ELECTRICAL SPECIFICATIONS DONNEES TECHNIQUES / ELEKTRISCHE DATEN

SER. KAPPA_V_ENERGY_EVO_FC

MOD.

85.2

- A) COMPRESSORE(I)
COMPRESSOR(S) 2 X 180 HP
COMPRESSEUR(S)
VERDICHTER(N)
- B) MOTOVENTILATORE(I)
FAN MOTOR(S) 16 X 2 kW 6 poli
MOUTEUR VENTILATEUR(S)
VENTILATORMOTOR(EN)
- C) POMPA(E)
PUMP(S) 2 x 22 kW
POMPE(S)
PUMPE(N)

LINEA DI ALIMENTAZIONE
ELECTRICAL SUPPLY LINE
LIGNE D'ALIMENTATION
SPANNUNGVERSORGUNG

400V 3 ~ 50Hz

CIRCUITI AUSILIARI
AUXILIARY CIRCUIT
CIRCUITS AUXILIARES
STEURSPANNUNG

230V 1 ~ 50Hz
24V 1 ~ 50Hz

ALLEGATI / ENCLOSED COPIES / ANNEXES / ANLAGE

SCHEMA ELETTRICO DI POTENZA E AUSIL.
POWER AND AUX. ELECT. DIAGRAM
SCHEMA ELECTRIQUE DE PUISSANCE ET AUX. 21
SCHALTP.LAN LEISTUNGS- UND HILFSKREISE

FOGLI
SHEETS
FEUILLES
SEITEN

LISTA COMPONENTI
COMPONENTS LIST
LISTE COMPOSANTS 2
STUECKLISTE

FOGLIO
SHEET
FEUILLE
SEITE

OPTIONALS - OPTIONALS
ACCESSOIRES - OPTIONALE

Note

FC, 2 POMPE, REGOLATORE DI GIRI
VALVOLA TERMOSTATICA ELETTRONICA, CONTROLLO pCO3
COMPRESSORI REFCOMP

Modifica

BLUE BOX GROUP - Via E. Mattei, 20 - 35028 PIOVE DI SACCO (PD) - Tel. 049/9716300 - Fax 049/9704105

Denominazione - Denomination
SCHEMA ELETTRICO FUNZIONALE GRUPPO FRIGORIFERO SERIE
KAPPA_V_EVO_FC Mod. 85.2

Disegno - Drawing
Y228S00A.ECH

Sost. il dis. - Replace draw.

Sost. dal dis. - Replaced by draw.

Data - Date Dis. - Draft.
21/11/07 D.Giacometti

Visto-Checked by
S.Molena

PAGINA - PAGE
Y228S00A.000

BLUE BOX
G R O U P

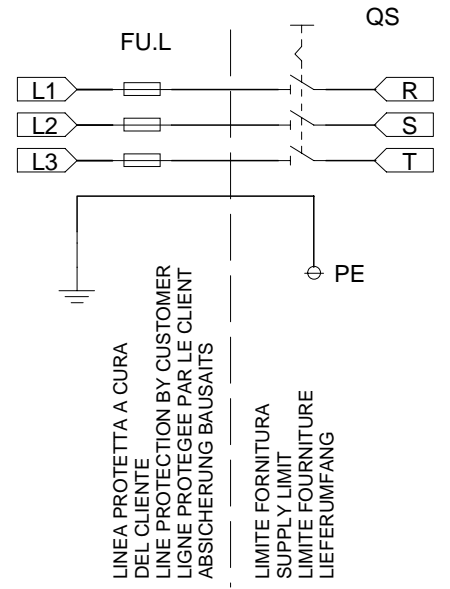
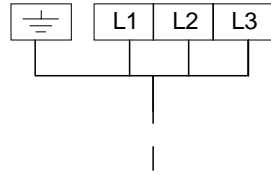
**CARATTERISTICHE ELETTRICHE / ELECTRIC CHARACTERISTIC
CARACT.ELECTRIQUE / ELEKTRISCHE DATEN**

MOD.	I _{cc} kA	I _{sp.} A	I _{max.} A	I _{nom.} A	cos fi	* PROT. LINEA FU.L	* SEZ. LINEA EPR mmq.
85.2	10	854	696	510	0,87	NH4 1000A	3X95

* A CURA DEL CLIENTE / BY CUSTOMER
A LA CHARGE DU CLIENT/VOM KUNDEN

Note:

LINEA 400V 3 ~ 50Hz
 LINE 400V 3 ~ 50Hz
 LIGNE 400V 3 ~ 50Hz
 SPANNUNGSVERSORGUNG 400V 3 ~ 50Hz



MORSETTIERA / TERMINAL BLOCK
 BORNIER / KLEMMENLEISTE

A5							IE	SP.W	CC1	CC2	IV1-2		IV3-4		IV5-6		IV7-8		A25								
R1	S1	T1	R2	S2	T2	0	10	1	1	1	1	10	11	301	11	11	303	11	10	305	10	10	307	10	0	45	47
						199	11	2	14	16	17	00	320	302	321	322	304	323	330	306	331	332	308	333	1	46	

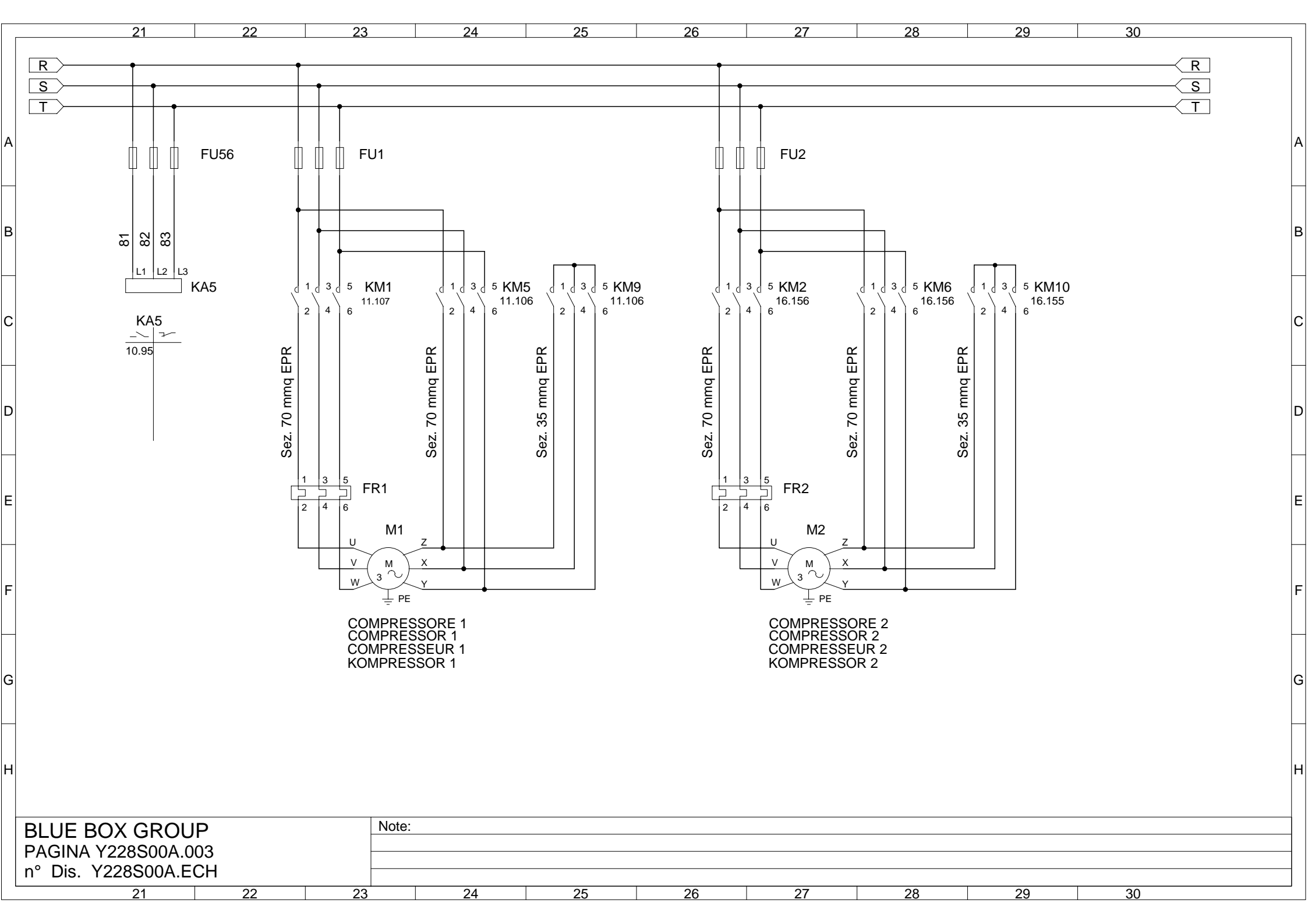
BOX COMP.1

BOX COMP.2

R1				FT1 SP.H1-H5		YV.P1-P2 YV.P3-S1		R2		FT2 SP.H2-H6		YV.P4-P5 YV.P6-S2		BT50-BPL1-A67				BT52-BPL2-A69					
3	51	10	50	141	148	4	61	10	60	151	158	100	102	253	1	255	257	260	262	275	277	270	272
00	52		51	59	149	00	62		61	69	159	101		254		256	258	261	263	276	278	271	273

BLUE BOX GROUP
 PAGINA Y228S00A.002
 n° Dis. Y228S00A.ECH

Note:



Note:

31

32

33

34

35

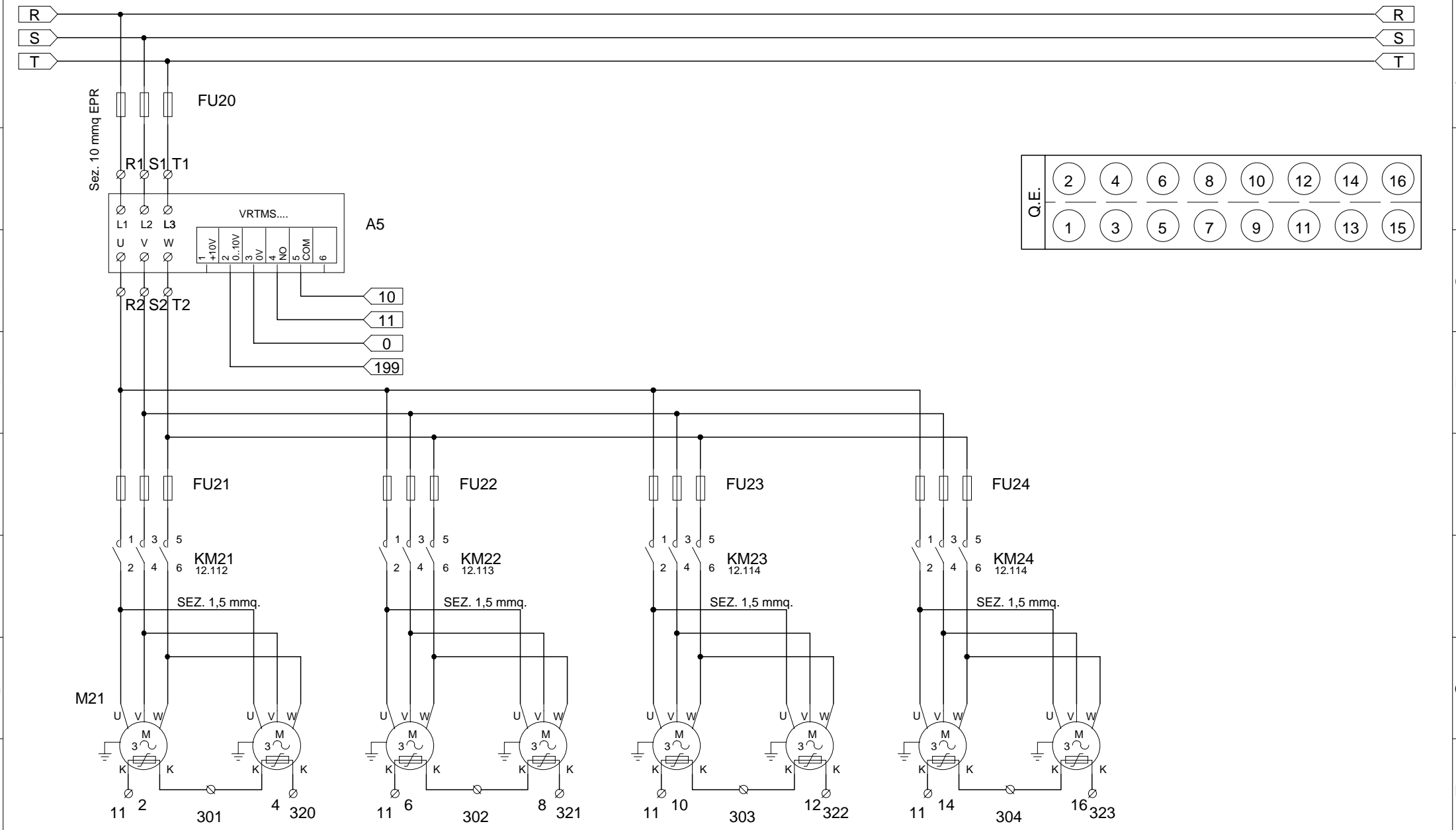
36

37

38

39

40



Q.E.	2	4	6	8	10	12	14	16
	1	3	5	7	9	11	13	15

BLUE BOX GROUP
 PAGINA Y228S00A.004
 n° Dis. Y228S00A.ECH

Note:

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

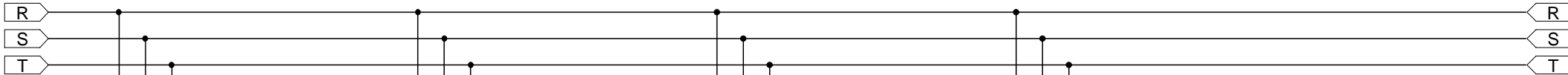
46

47

48

49

50



FU25

FU26

FU27

FU28

KM25
16.152

KM26
16.151

KM27
14.139

KM28
14.140

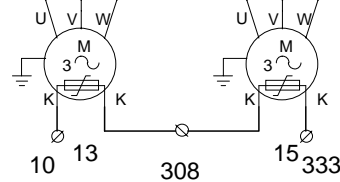
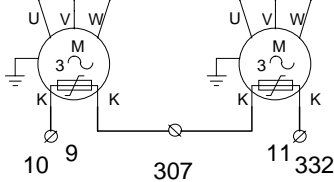
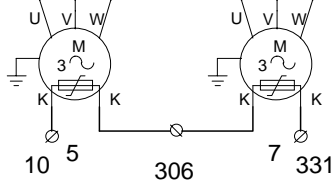
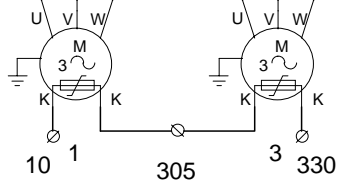
SEZ. 1,5 mmq.

SEZ. 1,5 mmq.

SEZ. 1,5 mmq.

SEZ. 1,5 mmq.

M22



C.E.:	2	4	6	8	10	12	14	16
	1	3	5	7	9	11	13	15

BLUE BOX GROUP
 PAGINA Y228S00A.005
 n° Dis. Y228S00A.ECH

Note:

41

42

43

44

45

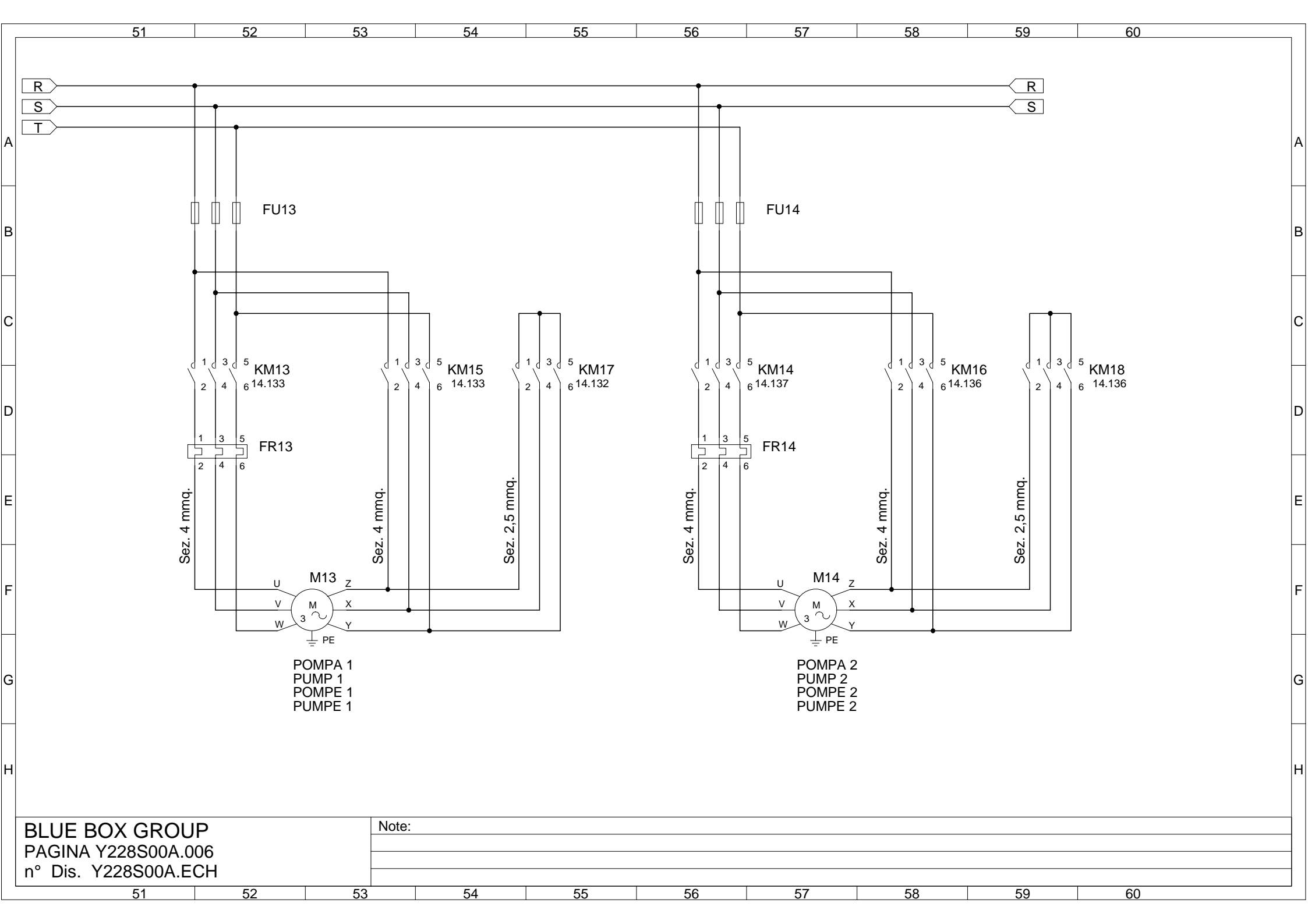
46

47

48

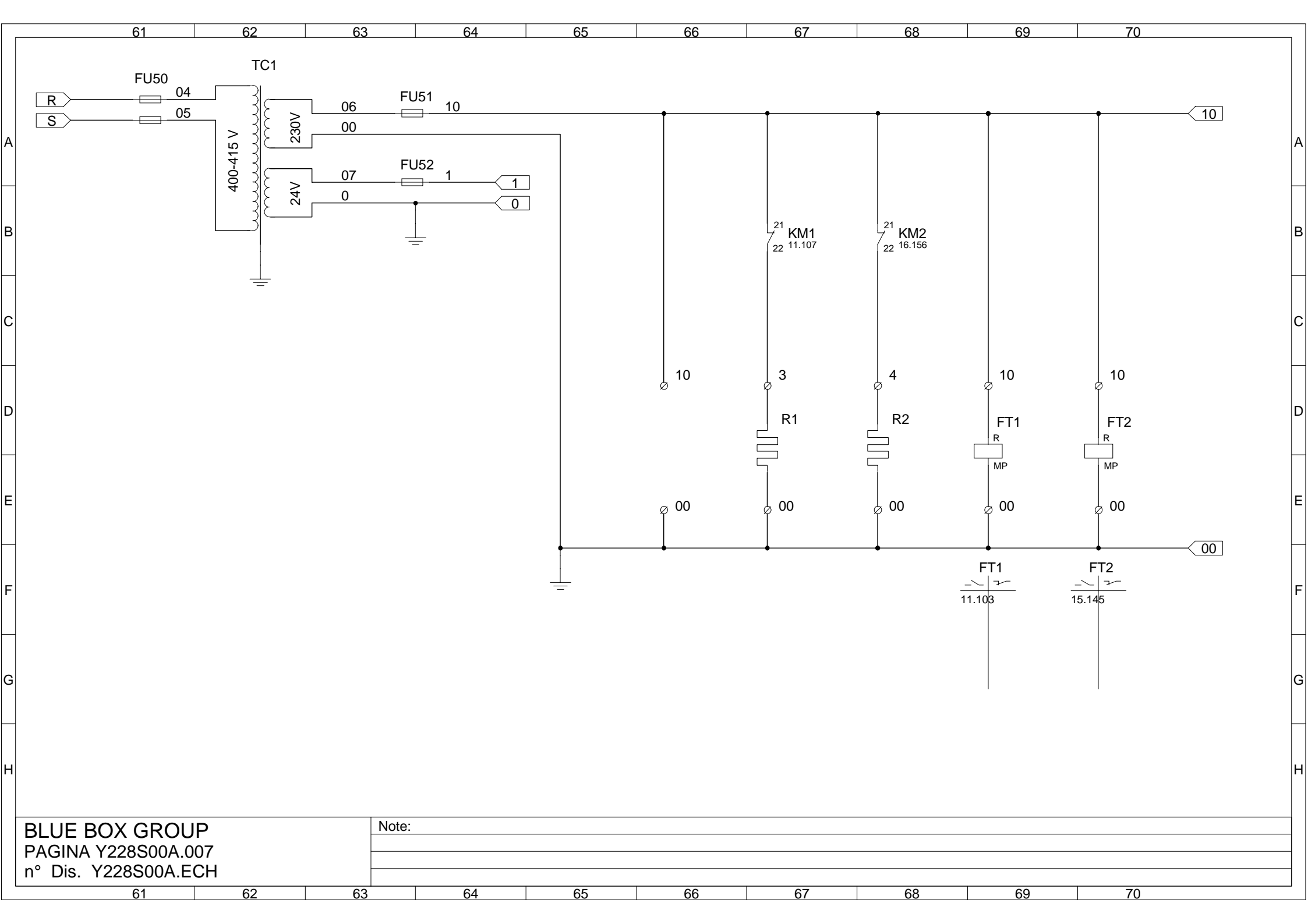
49

50



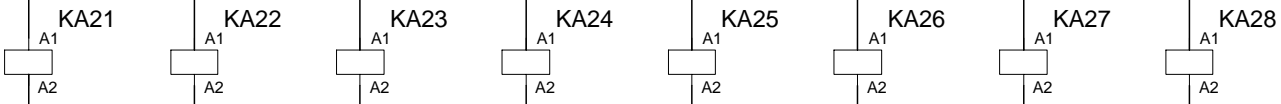
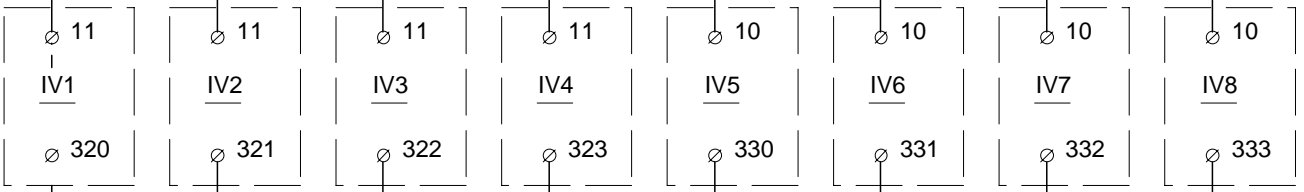
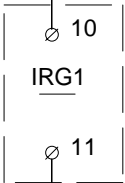
BLUE BOX GROUP
 PAGINA Y228S00A.006
 n° Dis. Y228S00A.ECH

Note:

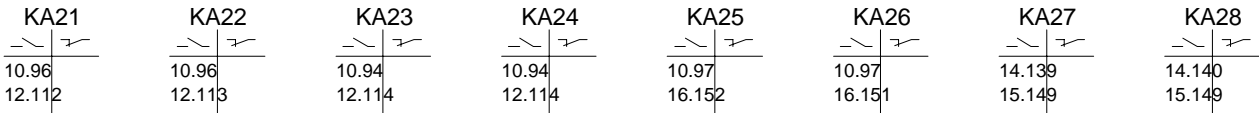


Note:

10 10



00 00



CONTROLLO ELETTRONICO - ELECTRONIC CONTROL
CONTROLE ELETRONIQUE - ELEKTRONISCHEKONTROLLE

A2

J1

J24

J2

J6

J3

J4

G G0

+Vterm GND +5VREF

B1 B2 B3 GND +VDC

B6 B7 B8 GND

B4 BC4 B5 BC5

VG VG0 Y1 Y2 Y3 Y4

200 201

202

203

204

205

208

209

210

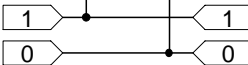
211

1

0

199

0 199



+5V REF	BLACK	BLUE
B1-B6	WHITE	BROWN
GND	GREEN	WHITE

BPH1

BT2

BPH2

BT1

BT16

INSTALLARE LA SONDA NEL TRATTO COMUNE DELL' ACQUA IN USCITA DELL' UNITA'.
(COLLEGAMENTO A CURA DELL' INSTALLATORE.)
THE PROBE HAS TO BE INSTALLED ON THE COMMON STRETCH OF THE UNIT WATER OUTLET.
(CONNECTION BY THE INSTALLER.)
INSTALLER LA SONDE SUR LE TRONCON COMMUN DE LA SORTIE D'EAU DE L'UNITE.
(RACCORDEMENT EST A LA CHARGE DE L'INSTALLATEUR.)
BEI DER VORLAUFTEMPERATURREGELUNG SETZEN SIE DEN FUHLER IN DER SAMMELVORLAUFLEITUNG EIN.
(DIE MONTAGE BEI DEM INSTALLATEUR.)

Note:

91

92

93

94

95

96

97

98

99

100

CONTROLLO ELETTRONICO - ELECTRONIC CONTROL
CONTROLE ELETRONIQUE - ELEKTRONISCHEKONTROLLE

J5

J7

ID1 ID2 ID3 ID4 ID5 ID6 ID7 ID8 IDC1

ID9 ID10 ID11 ID12 IDC9

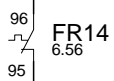
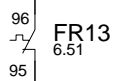
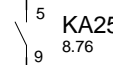
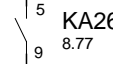
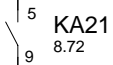
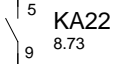
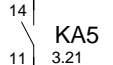
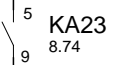
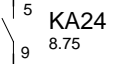
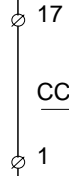
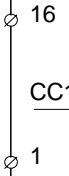
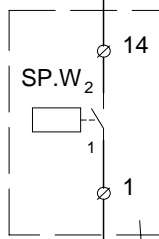
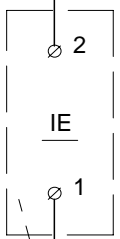
0

0

0

1

1



COLLEGAMENTI A CURA DELL'INSTALLATORE
CONNECTIONS BY THE INSTALLER
CONNECTIONS PAR L'INSTALLATEUR
ANSCHLUESSE BEI DEM INSTALLATEUR

IN ASSENZA DI CONSENSI ESTERNI FARE UN PONTE TRA I MORSETTI 1 E 2
LACKING THE EXTERNAL INTERLOCK MAKE A BRIDGE BETWEEN THE 1-2 CONTACTS
EN L'ABSENCE DU CONTACT, FAIRE UN PONT ENTRE LES BORNES 1-2
BEI AUSFALL DES KONTAKTS DIE KLEMMEN 1-2 UEBERBRUECKEN

BLUE BOX GROUP
PAGINA Y228S00A.010
n° Dis. Y228S00A.ECH

Note:

91

92

93

94

95

96

97

98

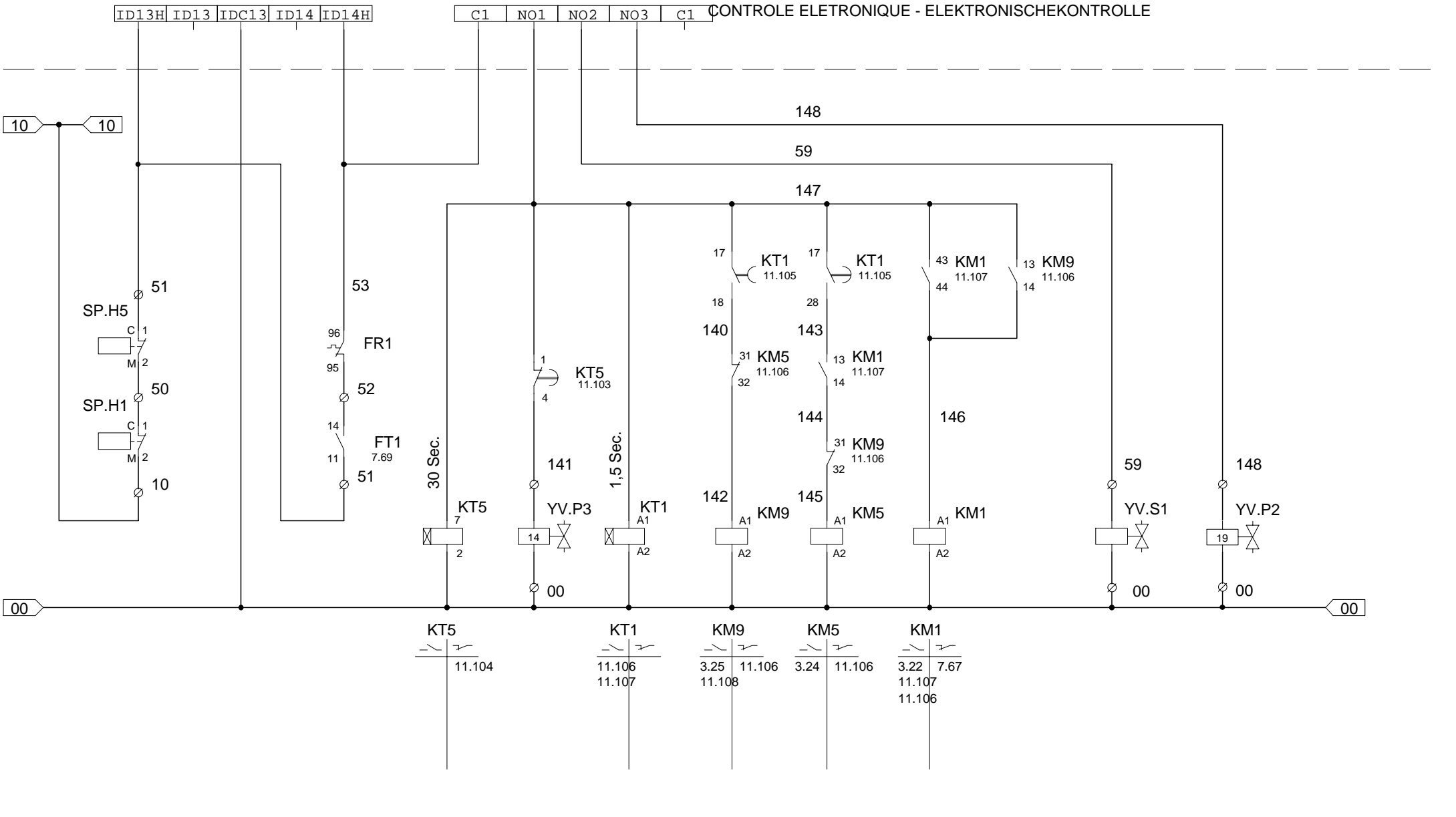
99

100

J8

J12

CONTROLLO ELETTRONICO - ELECTRONIC CONTROL
 CONTROLE ELETRONIQUE - ELEKTRONISCHEKONTROLLE

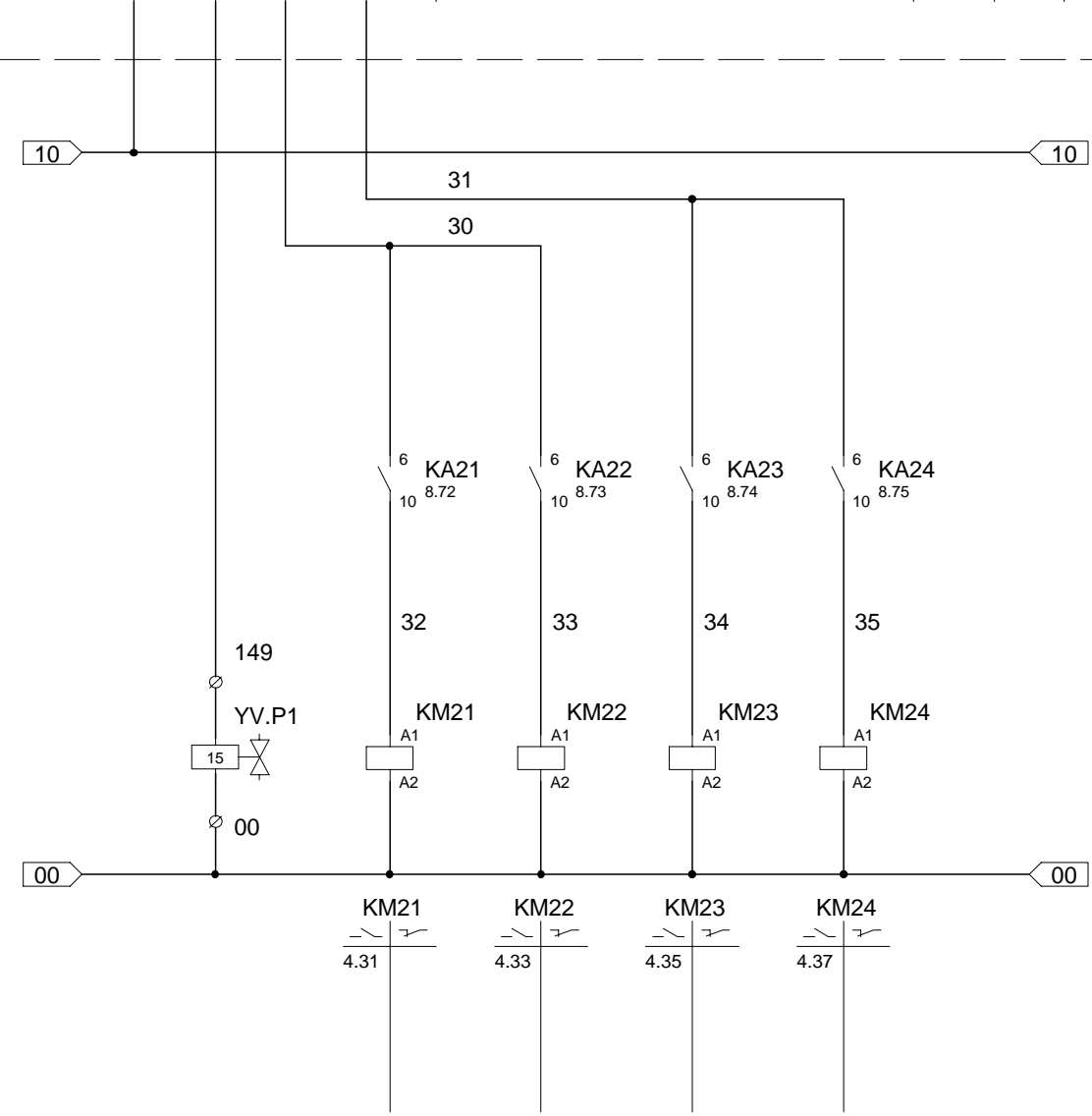
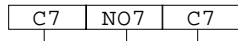
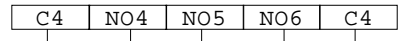


BLUE BOX GROUP
 PAGINA Y228S00A.011
 n° Dis. Y228S00A.ECH

Note:

CONTROLLO ELETTRONICO - ELECTRONIC CONTROL
 CONTROLE ELETRONIQUE - ELEKTRONISCHEKONTROLLE
 J13

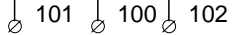
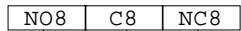
J14



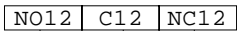
CONTROLLO ELETTRONICO - ELECTRONIC CONTROL
CONTROLE ELETRONIQUE - ELEKTRONISCHEKONTROLLE

CONTATTI PULITI - FREE CONTACTS
CONTACTS PRIVES DE TENS. - POT.FREIE CONTACTER

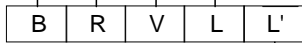
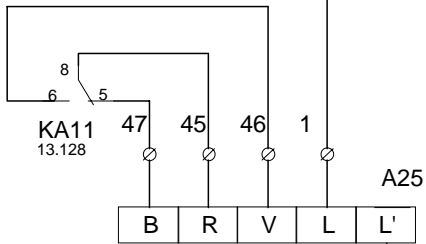
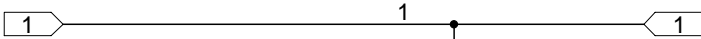
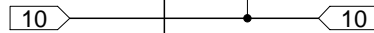
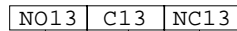
J15



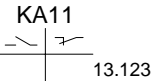
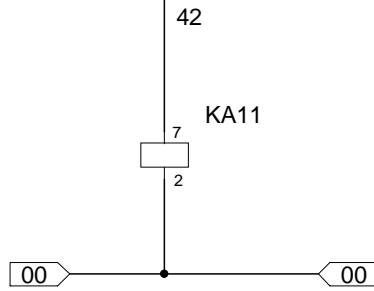
J17



J18



A25



Note:

131

132

133

134

135

136

137

138

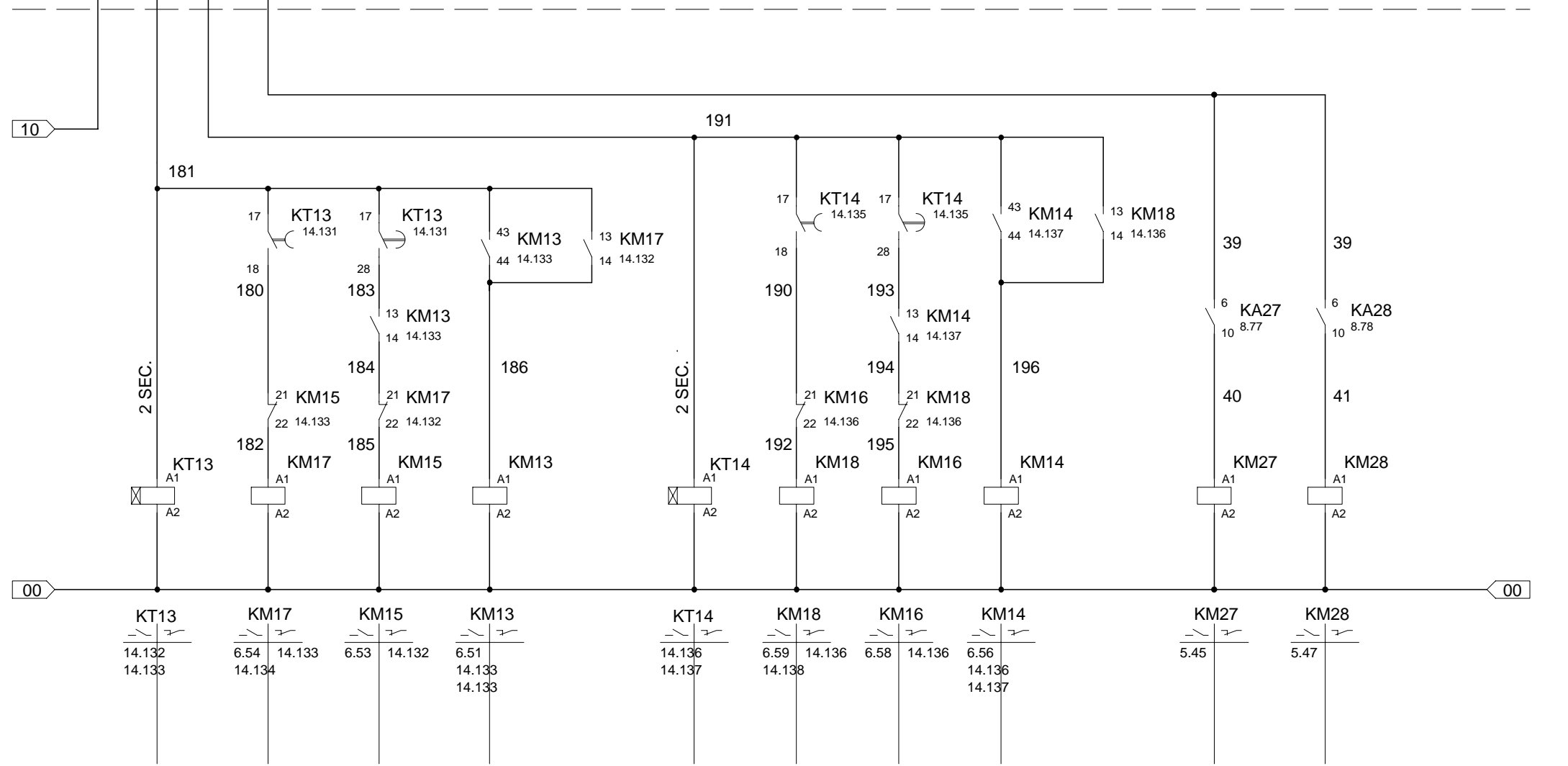
139

140

CONTROLLO ELETTRONICO - ELECTRONIC CONTROL
 CONTROLE ELETRONIQUE - ELEKTRONISCHEKONTROLLE

J16

C9	NO9	NO10	NO11	C9
----	-----	------	------	----



00

00

KT13
 14.132
 14.133

KM17
 6.54 14.133
 14.134

KM15
 6.53 14.132

KM13
 6.51 14.133
 14.133

KT14
 14.136
 14.137

KM18
 6.59 14.136
 14.138

KM16
 6.58 14.136

KM14
 6.56 14.136
 14.137

KM27
 5.45

KM28
 5.47

BLUE BOX GROUP
 PAGINA Y228S00A.014
 n° Dis. Y228S00A.ECH

Note:

131

132

133

134

135

136

137

138

139

140

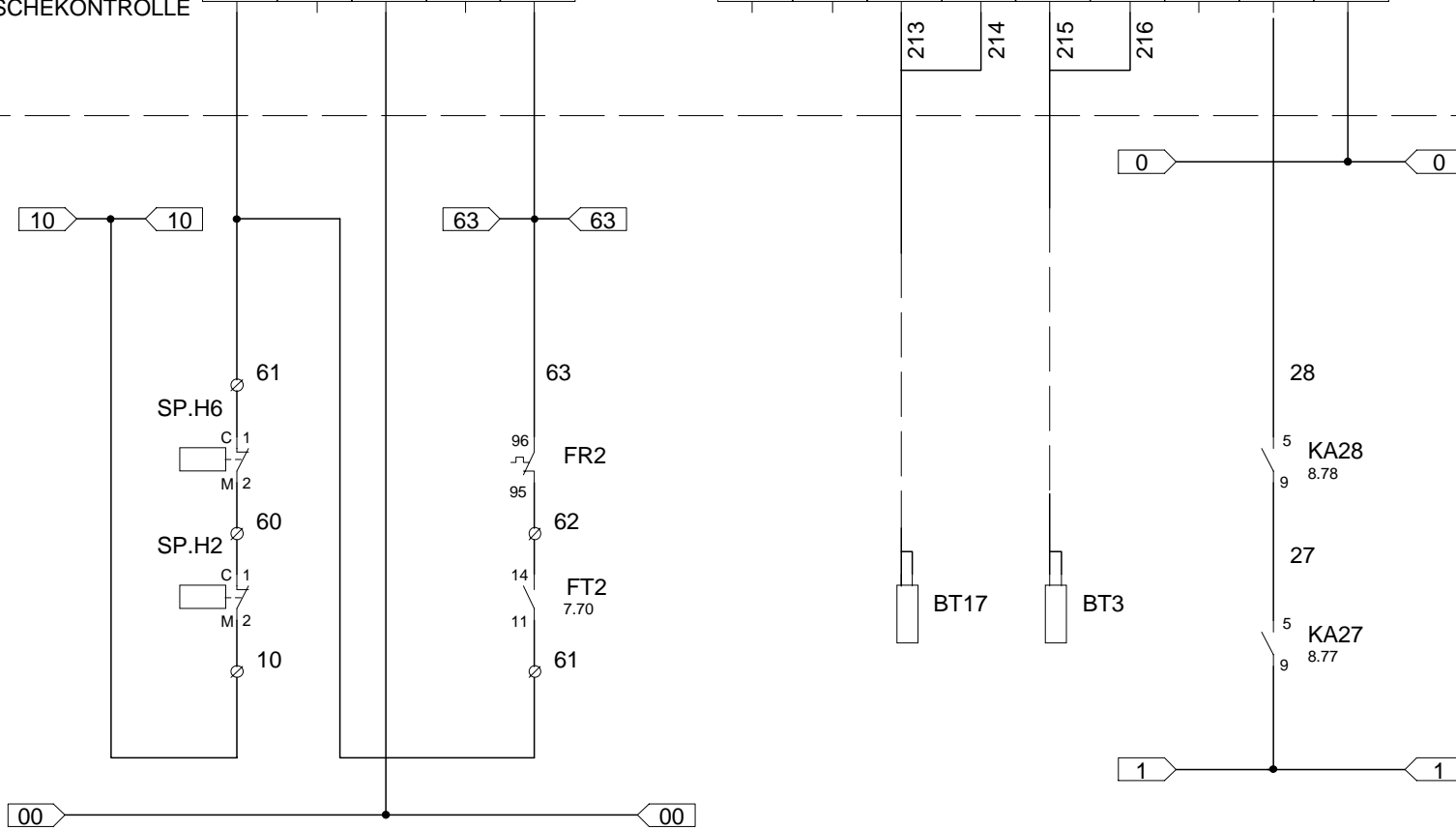
CONTROLLO ELETTRONICO - ELECTRONIC CONTROL
CONTROLE ELETRONIQUE - ELEKTRONISCHEKONTROLLE

J19

ID15H ID15 ID15C ID16 ID16H

J20

Y5 Y6 B9 BC9 B10 BC10 ID17 ID18 IDC17



Note:

CONTROLLO ELETTRONICO - ELECTRONIC CONTROL
CONTROLE ELETRONIQUE - ELEKTRONISCHEKONTROLLE

J21

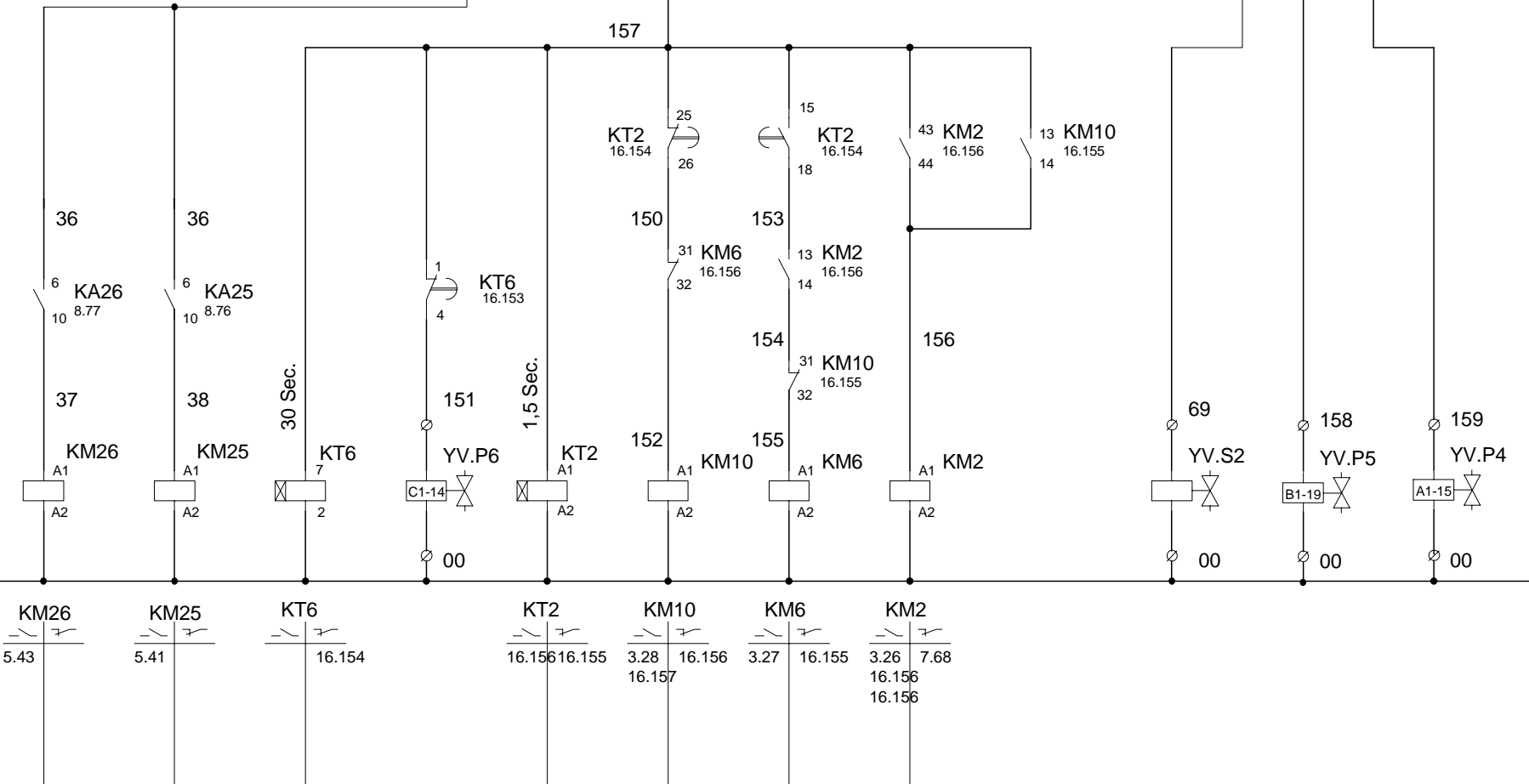
J22

NO14 C14 NC14 NO15 C15 NC15

C16 NO16 NO17 NO18 C16

63

157



Note:

A

B

C

D

E

F

G

H

A

B

C

D

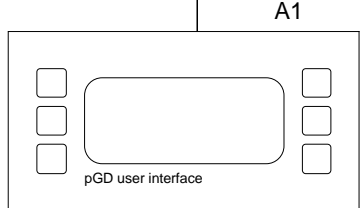
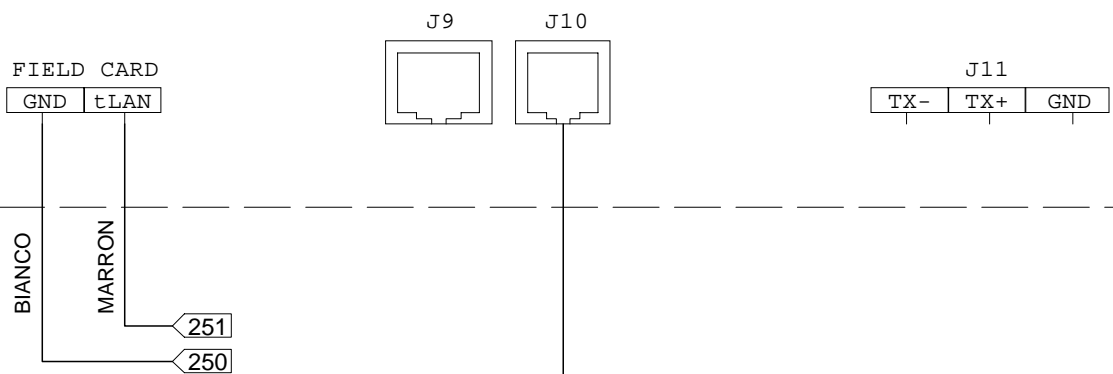
E

F

G

H

CONTROLLO ELETTRONICO - ELECTRONIC CONTROL
 CONTROLE ELETRONIQUE - ELEKTRONISCHEKONTROLLE



Note:

151

152

153

154

155

156

157

158

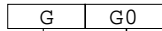
159

160

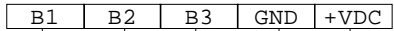
CONTROLLO ELETTRONICO - ELECTRONIC CONTROL
CONTROLE ELETRONIQUE - ELEKTRONISCHEKONTROLLE

A3

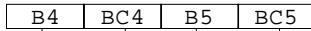
J1



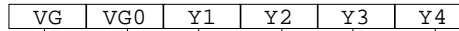
J2



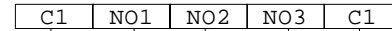
J3



J4



J12



219

218

BT11



Note:

151

152

153

154

155

156

157

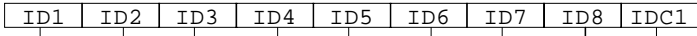
158

159

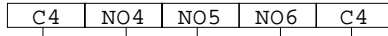
160

CONTROLLO ELETTRONICO - ELECTRONIC CONTROL
CONTROLE ELETRONIQUE - ELEKTRONISCHEKONTROLLE

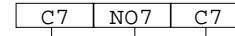
J5



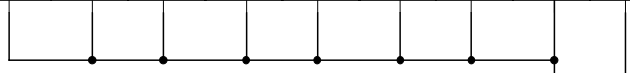
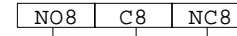
J13



J14



J15

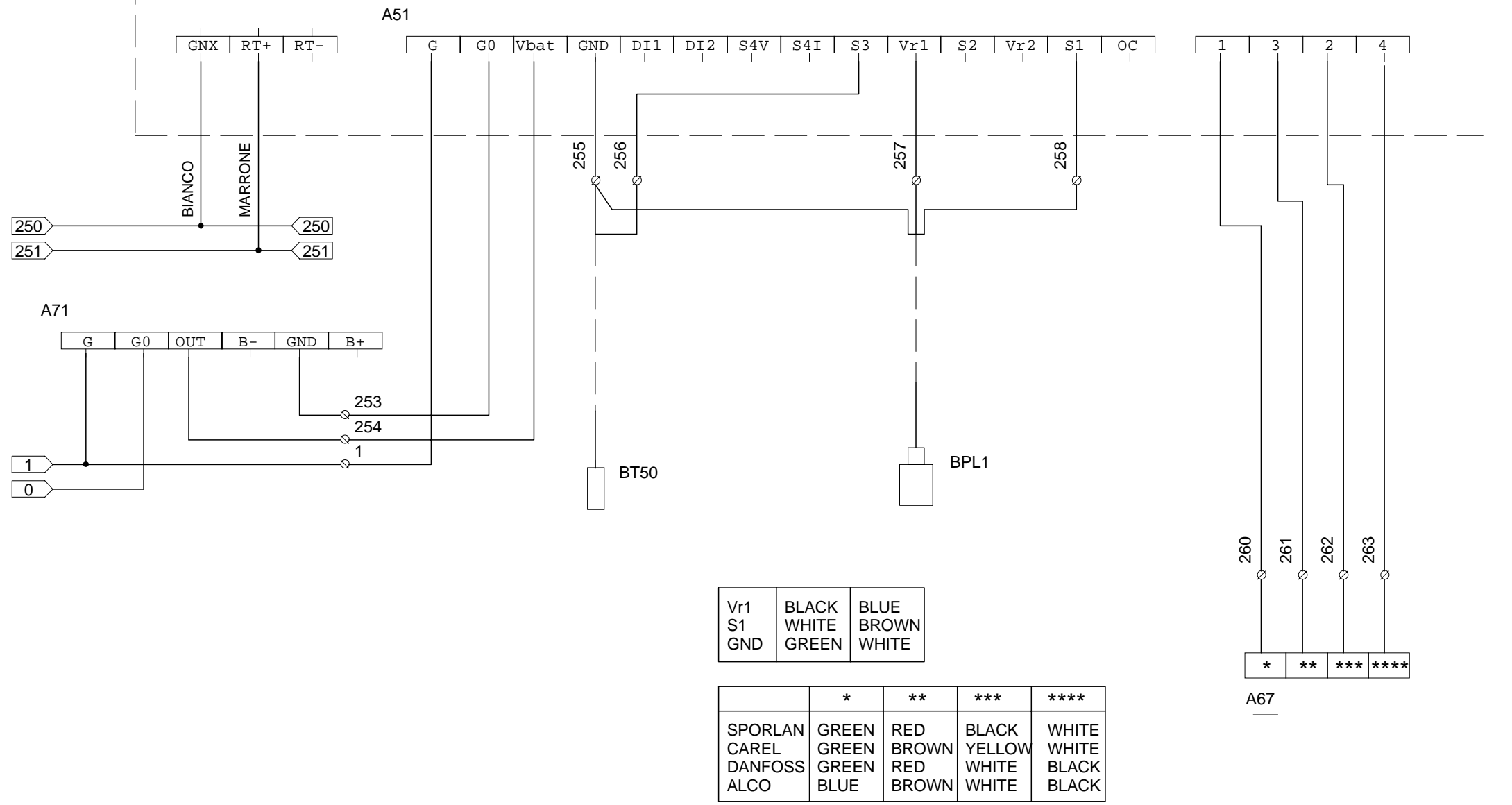


1

0

Note:

CONTROLLO VALVOLA TERMOSTATICA ELETTRONICA / ELECTRONIC THERMOSTATIC VALVE CONTROL
 REGELUNG DES ELEKTRONISCH GESTEUERTES THERMOSTATVENTILS / CONTRÔLE DU DÉTENDEUR THERMOSTATIQUE ÉLECTRONIQUE

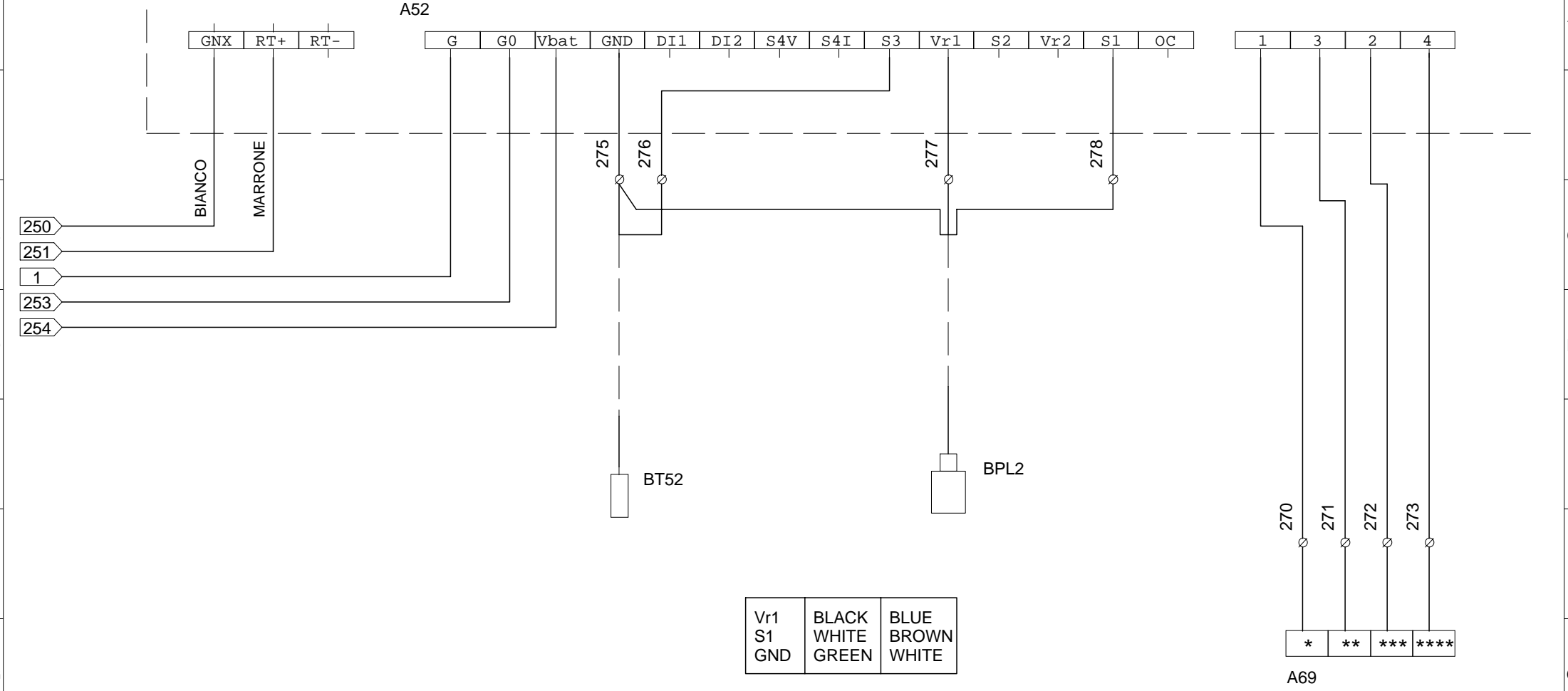


Vr1	BLACK	BLUE
S1	WHITE	BROWN
GND	GREEN	WHITE

	*	**	***	****
SPORLAN	GREEN	RED	BLACK	WHITE
CAREL	GREEN	BROWN	YELLOW	WHITE
DANFOSS	GREEN	RED	WHITE	BLACK
ALCO	BLUE	BROWN	WHITE	BLACK

Note:

CONTROLLO VALVOLA TERMOSTATICA ELETTRONICA / ELECTRONIC THERMOSTATIC VALVE CONTROL
 REGELUNG DES ELEKTRONISCH GESTEUERTES THERMOSTATVENTILS / CONTRÔLE DU DÉTENDEUR THERMOSTATIQUE ÉLECTRONIQUE



Vr1	BLACK	BLUE
S1	WHITE	BROWN
GND	GREEN	WHITE

	*	**	***	****
SPORLAN	GREEN	RED	BLACK	WHITE
CAREL	GREEN	BROWN	YELLOW	WHITE
DANFOSS	GREEN	RED	WHITE	BLACK
ALCO	BLUE	BROWN	WHITE	BLACK

Note:

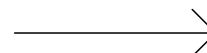
Disegno/Drawing : Y228S00A.ECH

Data/Date : 21/11/2007

PAGINA/PAGE

Y228S00A.022

Ref.	Descrizione	Description	Tipo/Type	Marca/Manuf.
A1	TERMINALE PICO	PICO TERMINAL	PGD0000F00	CAREL
A2	CONTROLLO ELETTRONICO	ELECTRONIC CONTROL	PCO3000AL0	CAREL
A25	SERVOCOMANDO VALVOLA	SERVO-CONROL VALVE	SH222	CONTROLLI
A3	CONTROLLO ELETTRONICO	ELECTRONIC CONTROL	PCO3000AS0	CAREL
A5	REGOLATORE DI GIRI 1	FAN SPEED 1 CONTROL	VRTMS 40	FAE
A51	CONTROLLO VALVOLA TERM. 1	THERM. VALVE CONTROL 1	EVD0000401	CAREL
A52	CONTROLLO VALVOLA TERM. 2	THERM. VALVE CONTROL 2	EVD0000401	CAREL
A67	VALVOLA TERM. 1	THERM. ELECTR. VALVE 1		
A69	VALVOLA TERM. 2	THERM. ELECTR. VALVE 2		
A71	MODULO BATTERIA	BATTERY MODULE	EVBAT00300	CAREL
BPH1	TRASD.DI PRESS.ALTA 1	HIGH PRESS.TRANS.D.1	34,5bar 2CP5-47	
BPH2	TRASD.DI PRESS.ALTA 2	HIGH PRESS.TRANS.D.2	34,5bar 2CP5-47	
BPL1	TRASD.DI BASSA PRESS.1	LOW PRESS.TRANS.D.1	13,8bar 2CP5-49	
BPL2	TRASD.DI BASSA PRESS.2	LOW PRESS.TRANS.D.2	13,8bar 2CP5-49	
BT1	SONDA ENTRATA EVAP.	EVAP.INLET PROBE	NTC060WP00	CAREL
BT11	SONDA TEMP. ACQUA RITORNO	RETURN WATER TEMP. PROBE	NTC060WP00	CAREL
BT16	SENSORE TEMPERATURA 1	TEMPERATURE PROBE 1	NTC060HT00	CAREL
BT17	SENSORE TEMPERATURA 2	TEMPERATURE PROBE 2	NTC060HT00	CAREL
BT2	SONDA USCITA EVAP.1	EVAP.OUTLET PROBE 1	NTC060WP00	CAREL
BT3	SONDA ARIA ESTERNA	EXTERNE AIR PROBE	NTC060WP00	CAREL
BT50	SONDA 1	PROBE 1	NTC060WF00	CAREL
BT52	SONDA 2	PROBE 2	NTC060WF00	CAREL
CC1	CONSENSO COMPRESSPRE 1	COMP.1 ENABLING SIGNAL		
CC2	CONSENSO COMPRESSPRE 2	COMP.2 ENABLING SIGNAL		
FR1	TERMICA COMPRESSORE 1	COMPR. 1 THERMAL SWITCH	3RB20 56-2FW2	SIEMENS
FR13	TERMICA POMPA 1	PUMP 1 THERMAL SWITCH	3RU11 36-4EB0	SIEMENS
FR14	TERMICA POMPA 2	PUMP 2 THERMAL SWITCH	3RU11 36-4EB0	SIEMENS
FR2	TERMICA COMPRESSORE 2	COMPR. 2 THERMAL SWITCH	3RB20 56-2FW2	SIEMENS
FT1	PROTEZIONE INTERNA 1	KLICSON 1	INT 69 TM	KRIWAM
FT2	PROTEZIONE INTERNA 2	KLICSON 2	INT 69 TM	KRIWAM
FU.L	FUSIBILI LINEA	SUPPLY FUSES		
FU1	FUSIBILI COMPRESSORE 1	COMPRESSOR 1 FUSES	NH2gG 400A	WEBER
FU13	FUSIBILI POMPA 1	PUMP 1 FUSES	NH00gG 50A	WEBER
FU14	FUSIBILI POMPA 2	PUMP 2 FUSES	NH00gG 50A	WEBER
FU2	FUSIBILI COMPRESSORE 2	COMPRESSOR 2 FUSES	NH2gG 400A	WEBER
FU20	FUSIBILI RGF	RGF FUSES	NH00gG 50A	WEBER
FU21	FUSIBILI VENTILATORI 1	FANS 1 FUSES	CH10gG 10A	WEBER
FU22	FUSIBILI VENTILATORI 2	FANS 2 FUSES	CH10gG 10A	WEBER
FU23	FUSIBILI VENTILATORI 3	FANS 3 FUSES	CH10gG 10A	WEBER
FU24	FUSIBILI VENTILATORI 4	FANS 4 FUSES	CH10gG 10A	WEBER
FU25	FUSIBILI VENTILATORI FC 1	FC FANS 1 FUSES	CH10gG 10A	WEBER
FU26	FUSIBILI VENTILATORI FC 2	FC FANS 2 FUSES	CH10gG 10A	WEBER
FU27	FUSIBILI VENTILATORI FC 3	FC FANS 3 FUSES	CH10gG 10A	WEBER
FU28	FUSIBILI VENTILATORI FC 4	FC FANS 4 FUSES	CH10gG 10A	WEBER
FU50	FUSIBILI TRASF. ASILIARI	AUX.TRANSF.CIRCUIT FUSES	CH10gG 6A	WEBER
FU51	FUSIBILE AUSILIARI	AUX. CIRCUIT FUSE	CH10gG 8A	WEBER
FU52	FUSIBILE CONTROLLO	CONTROL FUSE	CH10gG 4A	WEBER
FU56	FUSIBILI CONTROL.FASI	PHASE CONT.CIRCUIT FUSES	CH10gG 2A	WEBER
IE	INTERBLOCCO ESTERNO	EXTERNE INTERLOCK		
IRG1	INTERBLOCCO RGF 1	RGF 1 INTERLOCK		
IV1	INTERBLOCCO VENTILATORI 1	FANS INTERLOCK 1		
IV2	INTERBLOCCO VENTILATORI 2	FANS INTERLOCK 2		
IV3	INTERBLOCCO VENTILATORI 3	FANS INTERLOCK 3		
IV4	INTERBLOCCO VENTILATORI 6	FANS INTERLOCK 6		
IV5	INTERBLOCCO VENTILATORI FC 1	FANS INTERLOCK FC 1		
IV6	INTERBLOCCO VENTILATORI FC 2	FANS INTERLOCK FC 2		
IV7	INTERBLOCCO VENTILATORI FC 3	FANS INTERLOCK FC 3		
IV8	INTERBLOCCO VENTILATORI FC 4	FANS INTERLOCK FC 4		
KA11	RELE' FREE COOLING	FREE COOLING RELAY	RCP8002230AC	GAVAZZI
KA21	RELE' ALLARME VENT. 1	FAN ALARM RELAY 1	RMIA45230AC	GAVAZZI
KA22	RELE' ALLARME VENT. 2	FAN ALARM RELAY 2	RMIA45230AC	GAVAZZI
KA23	RELE' ALLARME VENT. 3	FAN ALARM RELAY 3	RMIA45230AC	GAVAZZI
KA24	RELE' ALLARME VENT. 4	FAN ALARM RELAY 4	RMIA45230AC	GAVAZZI
KA25	RELE' ALLARME VENT. FC 1	FAN ALARM RELAY FC 1	RMIA45230AC	GAVAZZI
KA26	RELE' ALLARME VENT. FC 2	FAN ALARM RELAY FC 2	RMIA45230AC	GAVAZZI
KA27	RELE' ALLARME VENT. FC 3	FAN ALARM RELAY FC 3	RMIA45230AC	GAVAZZI
KA28	RELE' ALLARME VENT. FC 4	FAN ALARM RELAY FC 4	RMIA45230AC	GAVAZZI



Disegno/Drawing : Y228S00A.ECH

Data/Date : 15/10/07

Ref.	Descrizione	Description	Tipo/Type	Marca/Manuf.
KA5	RELE' SEQUENZA FASI	PHASE SEQUENCE RELAY	DPA01CM44	GAVAZZI
KM1	TELERUT.LINEA COMP.1	COMP.1 LINE CONTACTOR	3RT10 56-6AP36	SIEMENS
KM10	TELERUT.STELLA COMP.2	COMP.2 STAR CONTACTOR	3RT10 54-1AP36	SIEMENS
KM13	TELERUT.POMPA 1-1	PUMP 1-1 CONTACTOR	3RT10 34-1AP04	SIEMENS
KM14	TELERUT.POMPA 2-1	PUMP 2-1 CONTACTOR	3RT10 34-1AP04	SIEMENS
KM15	TELERUT.POMPA 1-2	PUMP 1-2 CONTACTOR	3RT10 34-1AP04	SIEMENS
KM16	TELERUT.POMPA 2-2	PUMP 2-2 CONTACTOR	3RT10 34-1AP04	SIEMENS
KM17	TELERUT.POMPA 1-3	PUMP 1-3 CONTACTOR	3RT10 25-1AP00	SIEMENS
KM18	TELERUT.POMPA 2-3	PUMP 2-3 CONTACTOR	3RT10 25-1AP00	SIEMENS
KM2	TELERUT.LINEA COMP.2	COMP.2 LINE CONTACTOR	3RT10 56-6AP36	SIEMENS
KM21	TELERUT.VENTILATORE 1	FAN 1 CONTACTOR	3RT10 17-1AP02	SIEMENS
KM22	TELERUT.VENTILATORE 2	FAN 2 CONTACTOR	3RT10 17-1AP02	SIEMENS
KM23	TELERUT.VENTILATORE 3	FAN 3 CONTACTOR	3RT10 17-1AP02	SIEMENS
KM24	TELERUT.VENTILATORE 4	FAN 4 CONTACTOR	3RT10 17-1AP02	SIEMENS
KM25	TELERUT.VENTILATORE FC 1	FAN FC 1 CONTACTOR	3RT10 17-1AP02	SIEMENS
KM26	TELERUT.VENTILATORE FC 2	FAN FC 2 CONTACTOR	3RT10 17-1AP02	SIEMENS
KM27	TELERUT.VENTILATORE FC 3	FC FAN 3 CONTACTOR	3RT10 17-1AP02	SIEMENS
KM28	TELERUT.VENTILATORE FC 4	FC FAN 4 CONTACTOR	3RT10 17-1AP02	SIEMENS
KM5	TELERUT.TRIANGOLO COMP.1	COMP.1 DELTA CONTACTOR	3RT10 56-6AP36	SIEMENS
KM6	TELERUT.TRIANGOLO COMP.2	COMP.2 DELTA CONTACTOR	3RT10 56-6AP36	SIEMENS
KM9	TELERUT.STELLA COMP.1	COMP.1 STAR CONTACTOR	3RT10 54-1AP36	SIEMENS
KT1	RELE'1 AVV.TO D/Y	STAR/DELTA RELAY 1	3RP15 74-1NP30	SIEMENS
KT13	RELE'13 AVV.TO POMPA	PUMP RELAY 13	3RP15 74-1NP30	SIEMENS
KT14	RELE'14 AVV.TO POMPA	PUMP RELAY 14	3RP15 74-1NP30	SIEMENS
KT2	RELE'2 AVV.TO D/Y	STAR/DELTA RELAY 2	3RP15 74-1NP30	SIEMENS
KT5	RELE' AVVIAMENTO 1	START RUN RELAY 1	DAA51CM24	GAVAZZI
KT6	RELE' AVVIAMENTO 2	START RUN RELAY 2	DAA51CM24	GAVAZZI
M1	COMPRESSORE 1	COMPRESSOR 1	134-S-180LZXD	REFCOMP
M13	POMPA 1	PUMP 1	22 kW	
M14	POMPA 2	PUMP 2	22 kW	
M2	COMPRESSORE 2	COMPRESSOR 2	134-S-180LZXD	REFCOMP
M21	ELETTROVENTOLE	FANS	8XFE080 6 POLI	ZIEHL ABEGG
M22	ELETTROVENTOLE	FANS	8XFE080 6 POLI	ZIEHL ABEGG
QS	SEZIONATORE GENERALE	MAIN SWITCH	SIRCO 3X1250	SOCOMEK
R1	RESISTENZA COMPRESSORE 1	CRANKCASE HEATER COMP.1		
R2	RESISTENZA COMPRESSORE 2	CRANKCASE HEATER COMP.2		
SP.H1	PRESSOSTATO ALTA 1	HIGH PRESSURE SWITCH 1		
SP.H2	PRESSOSTATO ALTA 2	HIGH PRESSURE SWITCH 2		
SP.H5	PRESSOSTATO ALTA 5	HIGH PRESSURE SWITCH 5		
SP.H6	PRESSOSTATO ALTA 6	HIGH PRESSURE SWITCH 6		
SP.W	FLUSSOSTATO	FLOW SWITCH		
TC1	TRASFORMATORE AUSILIARI	AUX.TRANSFORMER	1600 VA	
YV.P1	ELET.VALV.PARZ.1 COMP.1	UNLOAD SOL.VALVE 1 COMP.1	ASC 220V	ALCO
YV.P2	ELET.VALV.PARZ.2 COMP.1	UNLOAD SOL.VALVE 2 COMP.1	ASC 220V	ALCO
YV.P3	ELET.VALV.PARZ.3 COMP.1	UNLOAD SOL.VALVE 3 COMP.1	ASC 220V	ALCO
YV.P4	ELET.VALV.PARZ.1 COMP.2	UNLOAD SOL.VALVE 1 COMP.2	ASC 220V	ALCO
YV.P5	ELET.VALV.PARZ.2 COMP.2	UNLOAD SOL.VALVE 2 COMP.2	ASC 220V	ALCO
YV.P6	ELET.VALV.PARZ.3 COMP.2	UNLOAD SOL.VALVE 3 COMP.2	ASC 220V	ALCO
YV.S1	ELET.VALV.INIEZ.1	INJECTION SOL.VALVE 1	SB19	
YV.S2	ELET.VALV.INIEZ.2	INJECTION SOL.VALVE 2	SB19	