TURBINE CONTROL
CONTROLLO TURBINA

DRESSER-RAND NADROWSKI 21124

PROJECT: EUROPOWER, ITALIEN
PROGETTO:

CONTROL PART
QUADRO DEI COMANDI

= TU

+ TU

AS BUILT REV. 4 30.11.07

=ALL/20A

			date	03.12.07	DRESSER-RAND NADROWSKI 21124	MULTIFUNKTIONALE ENERGIE SYSTEME	COVER SHEET	14240/067	=TU		
			drawn	KOL / SEL	EUROPOWER, ITALIEN		FOGLIO DI COPERTINA		+TU		
			check.								
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F	pg. 1	508 pg.

SEITE/PAGE	SEITENBENENNUNG/DESIGNATION	DATUM/DATE	SEITE/PAGE	SEITENBENENNUNG/DESIGNATION	DATUM/DATE
=TU+TU/1	COVER SHEET FOGLIO DI COPERTINA	03.12.07	=TU+TU/33	EARTH FAULT 67N CONTATTO CON TERRA 67N	03.12.07
=TU+TU/2	LIST OF CONTENTS INDICE	18.12.07	=TU+TU/35	MEASURING - MAINS MISURA - RETE	03.12.07
=TU+TU/2A	LIST OF CONTENTS INDICE	18.12.07	=TU+TU/36	MAINS FAILURE PROTECTION RETE DISTRUBO PROTEZIONE	05.12.07
=TU+TU/2B	LIST OF CONTENTS INDICE	18.12.07	=TU+TU/37	MAINS FAILURE PROTECTION DV 601 / 59V0 RETE DISTRUBO PROTEZIONE DV 601 / 59V0	05.12.07
=TU+TU/2C	LIST OF CONTENTS INDICE	18.12.07	=TU+TU/38	MEASURING-GENERATOR-MAINS MISURA-ALTERNATORE-RETE	08.11.07
=TU+TU/5	FRONT VIEW VEDUTA FRONTALE	08.11.07	=TU+TU/39	MEASURING-GENERATOR-MAINS MISURA-ALTERNATORE-RETE	08.11.07
=TU+TU/6	LEGEND DICHIARAZIONE	08.11.07	=TU+TU/42	SYNCHRONIZING SELECTION SINCRONIZZAZIONE SELEZIONE	08.11.07
=TU+TU/7	INSIDE+SIDE VIEW INTERNO+VISTA PROFILO	03.12.07	=TU+TU/45	CONTROL VOLTAGE COMANDO TENSIONE	03.12.07
=TU+TU/8	BASE FRAME TELAIO BASE	30.08.07	=TU+TU/46	DIRECT VOLTAGE DISTRIBUTION TENSIONE CONTINUA DISTRIBUZIONE	03.12.07
=TU+TU/9	BATTERY ENCLOSURE BATTERIA CUSTODIA	30.08.07	=TU+TU/47	SUPPLY ALIMENTAZIONE	03.12.07
=TU+TU/16	CIRCUIT BREAKER CONTROL INTERRUTTORE COMANDO	05.12.07	=TU+TU/50	PLC-OVERVIEW SPS-VISTA D' INSIEME	03.12.07
=TU+TU/16A	CIRCUIT BREAKER CONTROL INTERRUTTORE COMANDO	03.12.07	=TU+TU/50A	TELEPHONE-SERVICE ADAPTER TELEFON-SERVIZIO ADATTATORE	03.12.07
=TU+TU/17	MAINS C.B CONTROL RETE P.I. COMANDO	05.12.07	=TU+TU/51	PLC OVERVIEW SPS VISTA D' INSIEME	23.10.07
=TU+TU/20	INCOMING FEEDER ALIMENTAZIONE	08.11.07	=TU+TU/52A	ANALOG INPUTS 314C ANALOGICO INGRESSI 314C	30.08.07
=TU+TU/21	INCOMING FEEDER ALIMENTAZIONE	13.11.07	=TU+TU/52B	ANALOG OUTPUTS 314C ANALOGICO USCITE 314C	30.08.07
=TU+TU/22	INCOMING FEEDER ALIMENTAZIONE	08.11.07	=TU+TU/52C	DIGITAL INPUTS 314C DIGITALE INGRESSI 314C	30.08.07
=TU+TU/23	MEASURING MAINS MISURA RETE	05.12.07	=TU+TU/53A	DIGITAL INPUTS DIGITALE INGRESSI	13.11.07
=TU+TU/24	MEASURING-GENERATOR-MAINS MISURA-ALTERNATORE-RETE	08.11.07	=TU+TU/53B	DIGITAL INPUTS DIGITALE INGRESSI	30.08.07
=TU+TU/25	MEASURING POWER FACTOR METER MISURA COS PHI METRO	29.10.07	=TU+TU/54A	DIGITAL OUTPUTS DIGITAL USCITE	30.08.07
=TU+TU/28	GENERATOR MONITORING ALTERNATORE SORVEGLIANZA	03.12.07	=TU+TU/54B	DIGITAL OUTPUTS DIGITAL USCITE	30.08.07
=TU+TU/32	DIFF PROTECTION DIFF PROTEZIONE	24.10.07	=TU+TU/55A	DIGITAL OUTPUTS DIGITAL USCITE	23.10.07

SEITE/PAGE	SEITENBENENNUNG/DESIGNATION	DATUM/DATE
=TU+TU/55B	DIGITAL OUTPUTS DIGITAL USCITE	30.08.07
=TU+TU/55C	DIGITAL OUTPUTS DIGITAL USCITE	08.11.07
=TU+TU/55D	DIGITAL OUTPUTS DIGITAL USCITE	30.08.07
=TU+TU/56A	DIGITAL INPUTS DIGITALE INGRESSI	03.12.07
=TU+TU/56B	DIGITAL INPUTS DIGITALE INGRESSI	24.10.07
=TU+TU/56C	DIGITAL INPUTS DIGITALE INGRESSI	13.11.07
=TU+TU/56D	DIGITAL INPUTS DIGITALE INGRESSI	03.12.07
=TU+TU/60	SAFETY LOOP CATENA SICUREZZA	05.12.07
=TU+TU/60B	SAFETY LOOP EMERGENCY OFF CATENA SICUREZZA EMERGENZA ARRESTO	30.08.07
=TU+TU/60C	SAFETY LOOP EMERGENCY OFF CATENA SICUREZZA EMERGENZA ARRESTO	30.08.07
=TU+TU/61	SAFETY LOOP CATENA SICUREZZA	05.12.07
=TU+TU/63	CONTROL SYNCHRONIZING COMANDO SINCRONISMO	30.08.07
=TU+TU/64	CONTROL COMANDO	05.12.07
=TU+TU/65	CONTROL COMANDO	05.12.07
=TU+TU/66	C.B. CONTROL GENERATOR P.I. COMANDO ALTERNATORE	05.12.07
=TU+TU/67	MAINS CONTROL RETE COMANDO	05.12.07
=TU+TU/69	SYN SELECTION SIN SELEZIONE	03.12.07
=TU+TU/70	CONTROL COMANDO	03.12.07
=TU+TU/71	GENERATOR MONITORING ALTERNATORE SORVEGLIANZA	23.10.07
=TU+TU/72	COMMON FAULT GENERATOR SEGNALE DISTURBATORE ALTERNATORE	03.12.07
=TU+TU/73	COMMON FAULT SEGNALE DISTURBATORE	23.10.07

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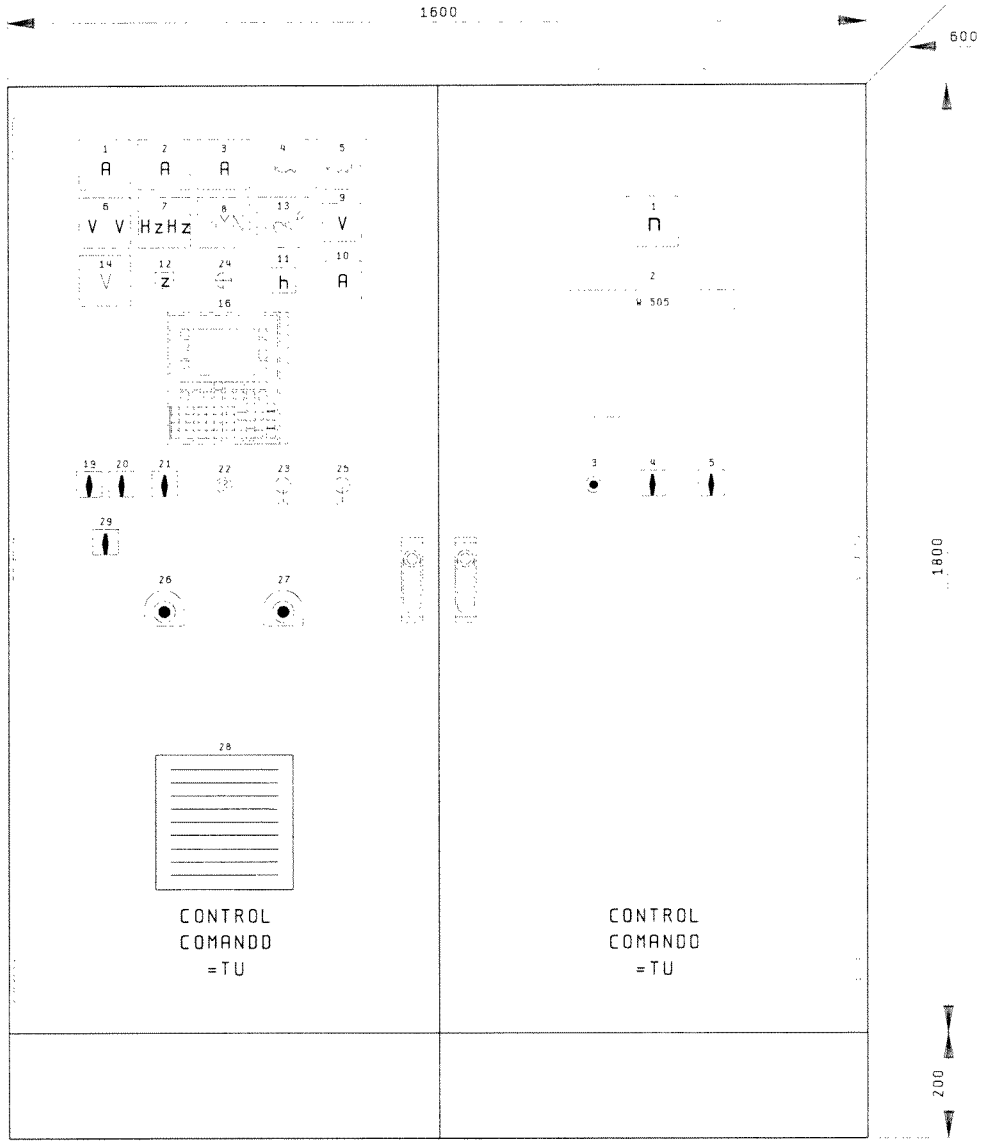
=TU+TU/74	COMMON FAULT SEGNALE DISTURBATORE	03.12.07
=TU+TU/75	REMOTE CONTROL COMANDO DISTANZA	03.12.07
=TU+TU/76	COMMON FAULT SEGNALE DISTURBATORE	05.12.07
=TU+TU/80	CONTROL START-STOP COMANDO INSERITO-FERMO	03.12.07
=TU+TU/81	TURBINE CONTROL CONTROLLO TURBINA	03.12.07
=TU+TU/85	TURBINE CONTROL W505 CONTROLLO TURBINA W505	03.12.07
=TU+TU/86	TURBINE CONTROL W505 CONTROLLO TURBINA W505	23.10.07
=TU+TU/87	TURBINE CONTROL W505 CONTROLLO TURBINA W505	23.10.07
=TU+TU/88	TURBINE CONTROL CONTROLLO TURBINA	03.12.07
=TU+TU/89	TURBINE CONTROL W505 CONTROLLO TURBINA W505	23.10.07
=TU+TU/90	TURBINE CONTROL W505 CONTROLLO TURBINA W505	30.08.07
=TU+TU/91	TURBINE CONTROL W505 CONTROLLO TURBINA W505	23.10.07
=TU+TU/92	TURBINE CONTROL W505 CONTROLLO TURBINA W505	30.08.07
=TU+TU/93	TURBINE CONTROL W505 CONTROLLO TURBINA W505	30.08.07
=TU+TU/95	SPEED ADJUSTING REGOLAZIONE ROTAZIONE	03.12.07
=TU+TU/96	OVERSPEED PROTECTION SOVRA VELOCITA PROTEZIONE	03.12.07
=TU+TU/97	OVERSPEED PROTECTION SOVRA VELOCITA PROTEZIONE	30.08.07
=TU+TU/100	MONITORING SORVEGLIANZA	13.11.07
=TU+TU/101	MONITORING SORVEGLIANZA	03.12.07
=TU+TU/105	MEASURING CONVERTER VALORE MISURA CONVERTITORE	30.08.07
=TU+TU/106	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	30.08.07

SEITE/PAGE	SEITENBENENNUNG/DESIGNATION	DATUM/DATE	SEITE/PAGE	SEITENBENENNUNG/DESIGNATION	DATUM/DATE
=TU+TU/107	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	30.08.07	=TU+TU/201	VOLTAGE FREE SIGNALS POT. LIBERALE AVVISATORE	03.12.07
=TU+TU/108	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	03.12.07	=TU+TU/300	=TU+TU-X1	18.12.07
=TU+TU/109	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	30.08.07	=TU+TU/301	=TU+TU-X2	18.12.07
=TU+TU/110	MEASURING-CONVERTER VALORE MISURA-CONVERTITORE	08.11.07	=TU+TU/302	=TU+TU-X3	18.12.07
=TU+TU/111	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	30.08.07	=TU+TU/303	=TU+TU-X4	18.12.07
=TU+TU/112	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	30.08.07	=TU+TU/304	=TU+TU-X5	18.12.07
=TU+TU/113	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	03.12.07	=TU+TU/305	=TU+TU-X6	18.12.07
=TU+TU/114	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	31.08.07	=TU+TU/306	=TU+TU-X7	18.12.07
=TU+TU/127	CONTROL GEN.TERMINAL BOX COMANDO GEN.MUFFOLA TERMINALE	05.12.07	=TU+TU/307	=TU+TU-X8	18.12.07
=TU+TU/128	CONTROL GEN.TERMINAL BOX COMANDO GEN.MUFFOLA TERMINALE	03.12.07	=TU+TU/308	=TU+TU-X13	18.12.07
=TU+TU/130	CONTROL AUXILIARY OIL PUMP COMANDO AUSILIARE OILO POMPA	03.12.07	=TU+TU/309	=TU+TU-X30	18.12.07
=TU+TU/131	CONTROL AUXILIARY OIL PUMP COMANDO AUSILIARE OILO POMPA	03.12.07	=TU+TU/310	=TU+TU-X40	18.12.07
=TU+TU/135	AUXILIARY OIL PUMP AUSILIARE OILO POMPA	30.11.07	=TU+TU/311	=TU+TU-X44	18.12.07
=TU+TU/136	STOP VALVE VALVOLA FERMO	03.12.07	=TU+TU/312	=TU+TU-X100	18.12.07
=TU+TU/140	EMERGENCY OIL PUMP CONTROL OILO POMPA EMERGENZA COMANDO	03.12.07	=TU+TU/313	=TU+TU-X200	18.12.07
=TU+TU/145	EMERGENCY OIL PUMP 24V DC OILO POMPA EMERGENZA 24V DC	03.12.07	=TU+TU/314	=TU+TU-XBUS	18.12.07
=TU+TU/150	OIL MIST FILTER FAN OLIO SPRUZZO SEPARATORE	03.12.07	=TU+TU/315	=TU+TU-1X21	18.12.07
=TU+TU/151	GENERATOR HEATING ALTERNATORE RISCALDATORI	03.12.07	=TU+TU/315A	=TU+TU-1X21	18.12.07
=TU+TU/155	BATTERY CHARGER L'APPARECCHIO CARICA DELLE BATTERIE	03.12.07	=TU+TU/316	=TU+TU-2X21	18.12.07
=TU+TU/156	SWITCHBOARD ILLUMINATION ARMADIO COMANDO ILLUMINAZIONE	03.12.07	=TU+TU/316A	=TU+TU-2X21	18.12.07
=TU+TU/200	VOLTAGE FREE SIGNALS POT. LIBERALE AVVISATORE	03.12.07	=TU+TU/350	=TU+TU-X1	18.12.07

SEITE/PAGE	SEITENBENENNUNG/DESIGNATION	DATUM/DATE	SEITE/PAGE	SEITENBENENNUNG/DESIGNATION	DATUM/DATE
=TU+TU/351	=TU+TU-X2	18.12.07	=TU+TU/503	PART LIST	18.12.07
=TU+TU/352	=TU+TU-X3	18.12.07	=TU+TU/504	PART LIST	18.12.07
=TU+TU/353	=TU+TU-X4	18.12.07	=TU+TU/505	PART LIST	18.12.07
=TU+TU/354	=TU+TU-X5	18.12.07	=TU+TU/506	PART LIST	18.12.07
=TU+TU/355	=TU+TU-X6	18.12.07	=TU+TU/507	PART LIST	18.12.07
=TU+TU/356	=TU+TU-X7	18.12.07	=TU+TU/508	PART LIST	18.12.07
=TU+TU/357	=TU+TU-X8	18.12.07			
=TU+TU/358	=TU+TU-X13	18.12.07			
=TU+TU/359	=TU+TU-X30	18.12.07			
=TU+TU/360	=TU+TU-X40	18.12.07			
=TU+TU/361	=TU+TU-X44	18.12.07			
=TU+TU/362	=TU+TU-X100	18.12.07			
=TU+TU/363	=TU+TU-X200	18.12.07			
=TU+TU/364	=TU+TU-XBUS	18.12.07			
=TU+TU/365	=TU+TU-1X21	18.12.07			
=TU+TU/365A	=TU+TU-1X21	18.12.07			
=TU+TU/366	=TU+TU-2X21	18.12.07			
=TU+TU/366A	=TU+TU-2X21	18.12.07			
=TU+TU/500	PART LIST	18.12.07			
=TU+TU/501	PART LIST	18.12.07			
=TU+TU/502	PART LIST	18.12.07			



PROTECTION TYPE : IP 42
PROTEZIONE
CABLE INLET : FROM BOTTOM
ENTRATA CAVI DI SOTTO
COLOUR : RAL 7035
COLORE
DOOR HANGING : RIGHT/LEFT
LATO CONTATTO PORTA DESTRA/SINISTRA
WEIGHT : APP. 500kg
PESO

2C

6

			date	08.11.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	FRONT VIEW VEDUTA FRONTALE	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 5 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		

CONTROL PANEL
COMANDO PANNELO

1	-P243	AMMETER L1 AMPEROMETRO
2	-P244	AMMETER L2 AMPEROMETRO
3	-P245	AMMETER L3 AMPEROMETRO
4	-P247	WATTMETER DINAMOMETRO
5	-P253	k W h-COUNTER k W h-CONTATORE
6	-P241	DOUBLE-VOLTMETER VOLTMETRO DOPPIO
7	-P242	DOUBLE FREQUENCY METER DOPPIO FREQUENZIMETRO
8	-P383	SYNCHRONOSCOPE SINCRONOSCOPIO
9	-P731	BATTERY VOLTMETER VOLTMETRO DELLA BATTERIA
10	-P1551	CHARGER AMMETER CARICA AMPEROMETRO
11	-P246	WORKING HOUR COUNTER CONTATORE ORE LAVORO
12	-P801	START COUNTER CONTATORE AVVIAMENTI
13	-P252	POWER FACTOR INDICATION COSFI INDICATORE
14	-P351	VOLTMETER MAINS VOLTMETRO RETE
16	-A503	INDICATION AND OPERATOR TABLEAU OP170B INDICATORE PIÈ QUADRO DI SERVICIO OP170B
17		
19	-S242	VOLTMETER SWITCH-GENERATOR COMUTATORE VOLTMETRO-ALTERNATORE
20	-S381	VOLTMETER SWITCH-BUSBAR COMUTATORE VOLTMETRO-BARRA COLLETTRICE
21	-S951	SPEED ADJUSTING REGOLAZIONE ROTAZIONE
22	-S653	MANUAL-SYN SWITCH ON MANO-SIN INTERRUTTORE INSERITO
23	-S651	AUTO SYN / MANUAL SYN AUTO SIN / MANO SIN
24	-H701	BUZZER CLAXON D`ALLARME
25	-S751	0=LOCAL / 1=REMOTE OPERATION 0=LOCALE / 1=DISTANZA FUNZIONAMENTO
26	-S601	QUICK STOP FERMO RAPIDA
27	-S602	EMERGENCY STOP ARRESTO EMERGENZA
28	-E1563	PANEL FAN ARMADIO COMANDO VENTILATORI
29	-S351	VOLTMETER SWITCH MAINS COMUTATORE VOLTMETRO RETE

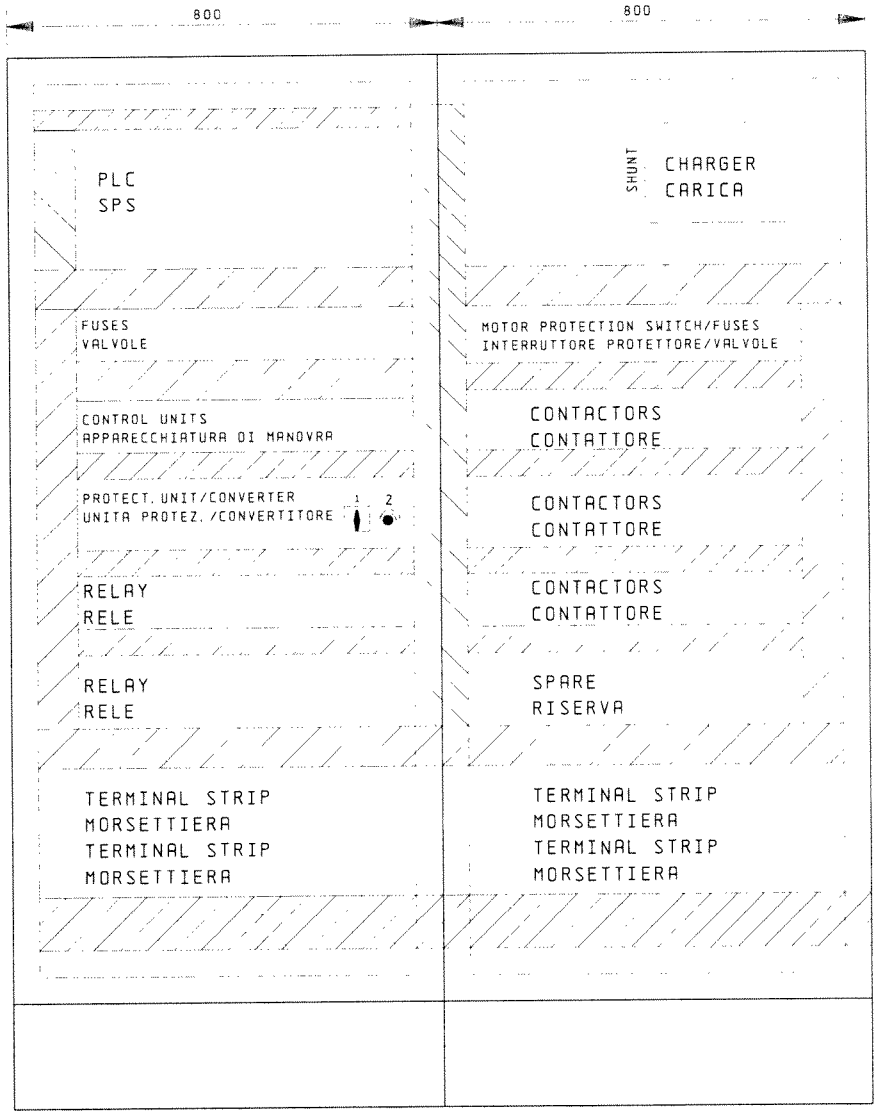
CONTROL PANEL
COMANDO PANNELO

1	-P861	SPEED INDICATOR CONTA GIRI
2	-A851	WOODWARD W505
3	-S1302	AUXILIARY OIL PUMP TEST-ON AUSILIARE OILO POMPA TEST-INSERITO
4	-S1301	AUXILIARY OIL PUMP MANUAL-AUTO AUSILIARE OILO POMPA MANO-AUTO
5	-S1401	EMERGENCY OIL PUMP M-A EMERGENZA OLIO POMPA M-A

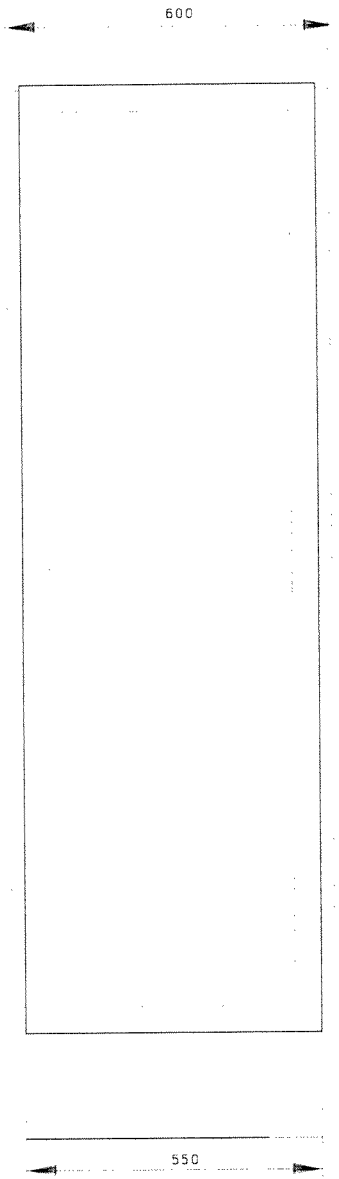
MOUNTING PLATE INSIDE SWITCHBOARD
PIASTRA MONTAGGIO INTERNO ARMADIO

1	-R1281	VOLTAGE ADJUSTING REGOLATORE TENSIONE
2	-R1282	POWER FACTOR ADJUSTING COSFI REGOLATORE
3	-	OVERSPEED PROTECTION SPM-2/2 SOVRA VELOCITA PROTEZIONE SPM-2/2

			date	08.11.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	LEGEND DICHIARAZIONE	14240/067		-TU +TU	
			drawn	KOL / SEL							
			check.					TUNPM-10626-L300F		pg. 6	
modific.	date	name	stand.		origin.	sub. f.	sub.			508 pg.	

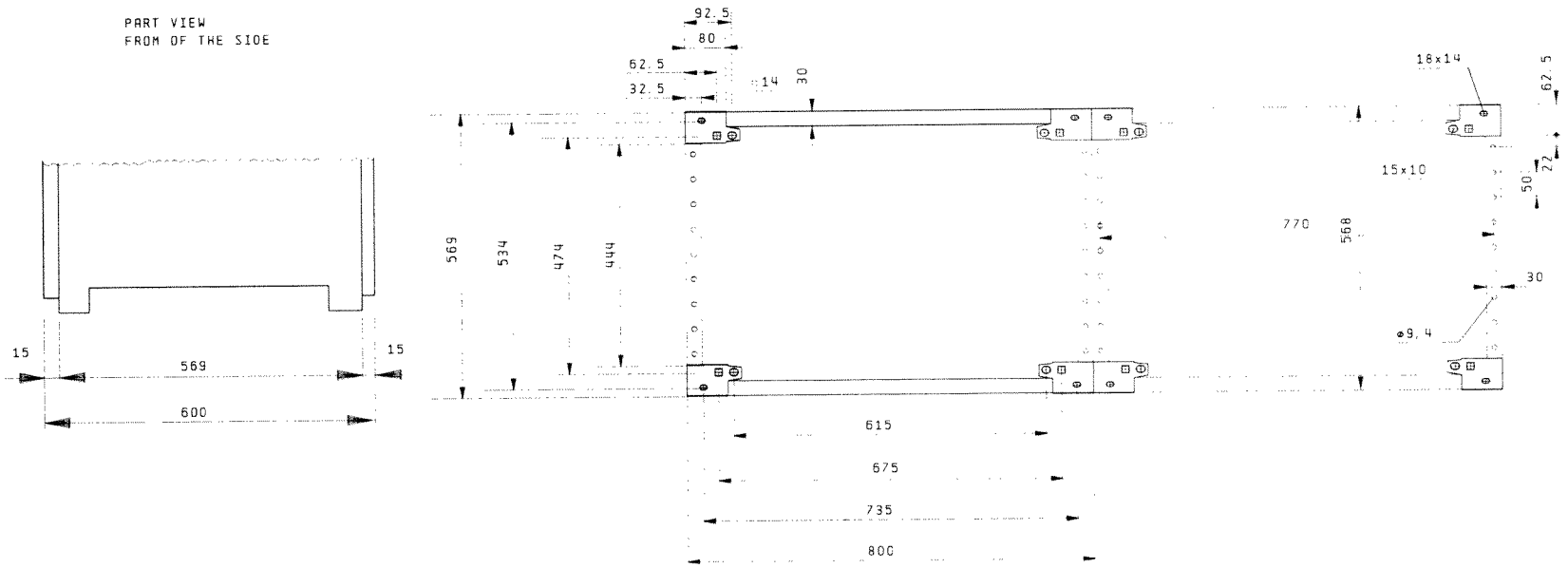


INSIDE VIEW
VISTA INTERNA

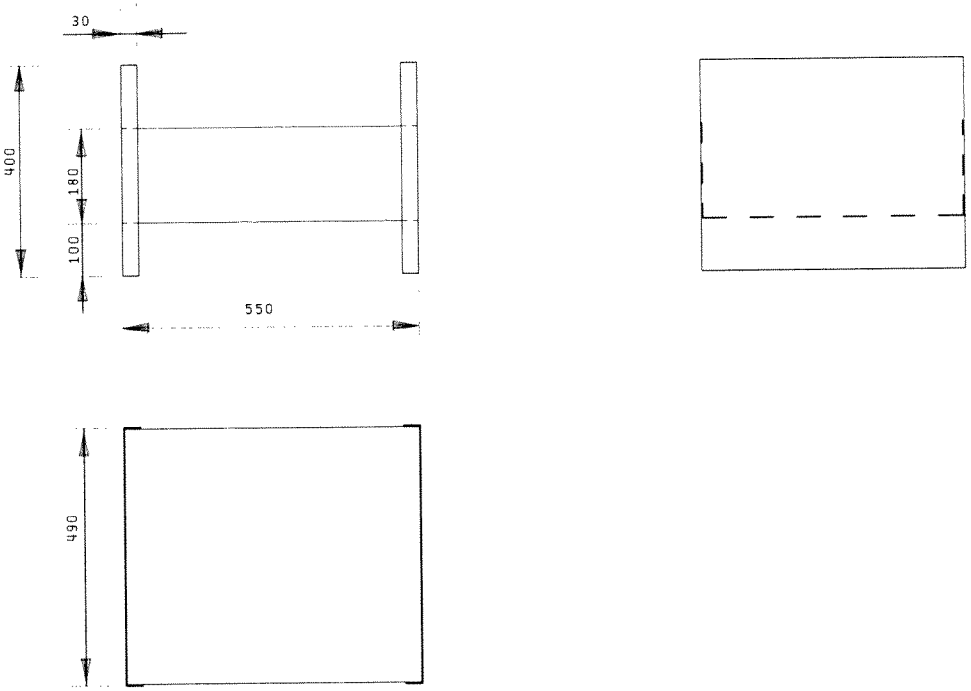


SIDE VIEW
VISTA PROFILO

			date	03.12.07	DRESSER-RAND NAOROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	INSIDE+SIDE VIEW INTERNO+VISTA PROFILO	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg 7 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	BASE FRAME TELAIO BASE	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 8 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		

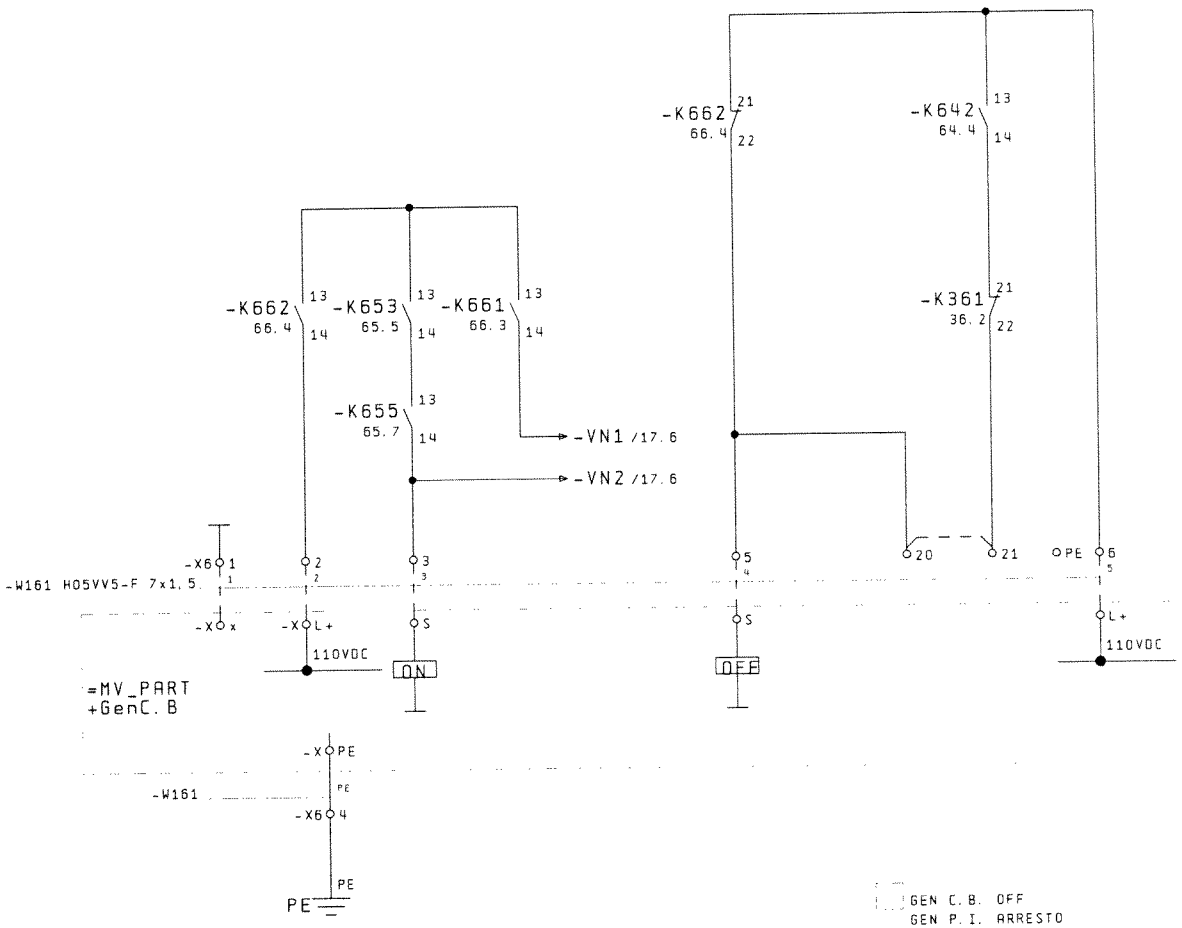


ENCLOSURE FOR S B 200-12
CUSTODIA PER S B 200-12

			date	30.08.07	DRESSER-RAND NADROWSKI Z1124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	BATTERY ENCLOSURE BATTERIA CUSTODIA	14240/067	▸TU ◂TU	
			drawn	KOL / SEL						
			check.					TUNPM-10626-L300F	pg. 9	
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.	

SPARE CIRCUIT BREAKER ON
RISERVA POTENZA INTERRUTTORE INSERITO

CIRCUIT BREAKER OFF
POTENZA INTERRUTTORE ARRESTO

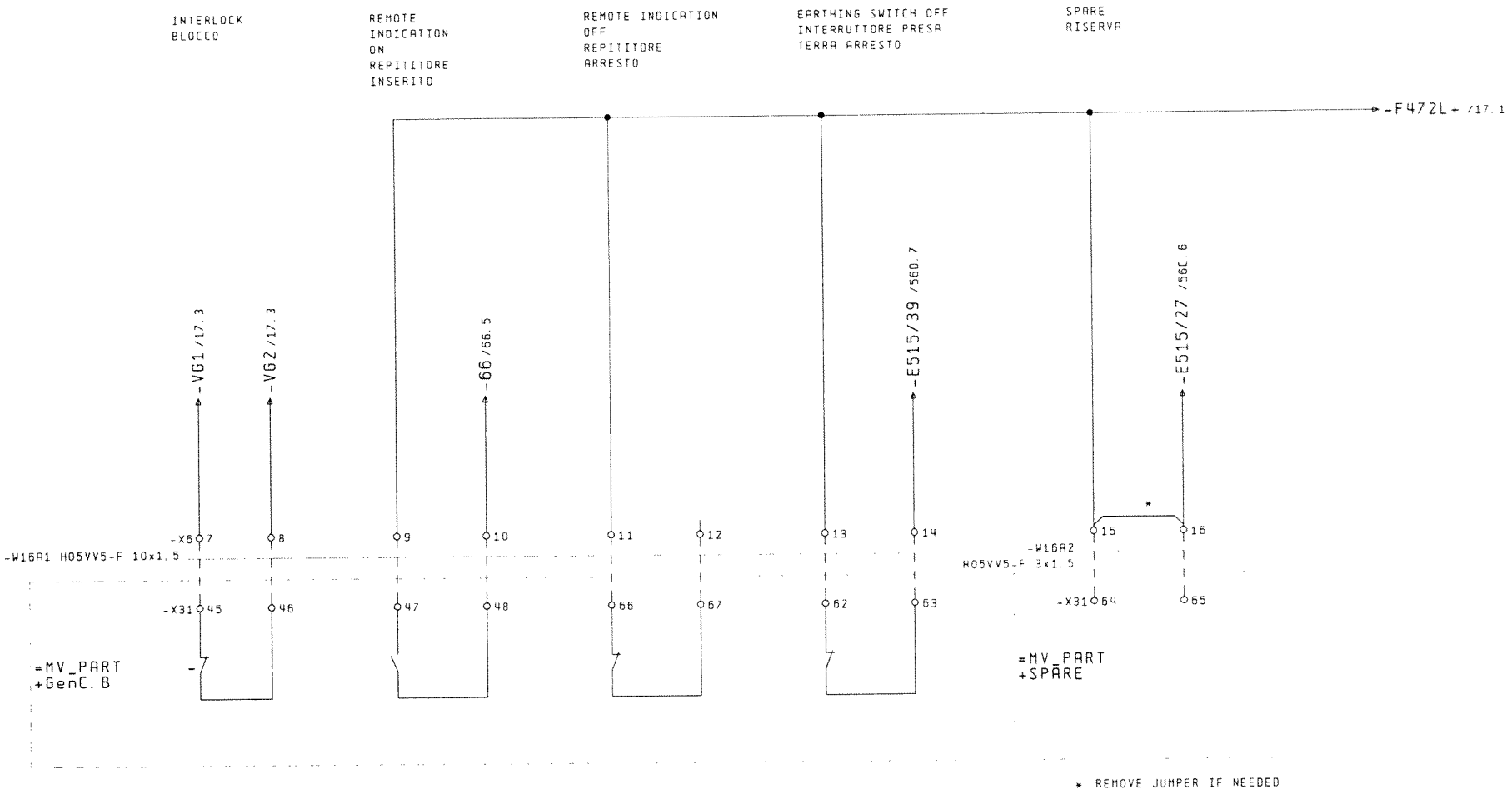


GENERATOR C.B
ALTERNATORE P.I.
MOTOR DRIVE
IL COMANDO A MOTORE
CLOSING COIL
BOBINA O' INSERZIONE
SWITCH OFF COIL
INTERRUTTORE ARRESTO BOBINA
AUXILIARY CONTACT 2 N O / 2 N C
CONTATTO AUSILIARIO 2 N O / 2 N C

GEN C.B. OFF
GEN P.I. ARRESTO
X2: 20-21 OPEN
X2: 20-21 APERTO
X6: 20-21 CLOSED
X6: 20-21 CHIUSO

9 16A

			date	05.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	CIRCUIT BREAKER CONTROL INTERRUTTORE COMANDO	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 16 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		

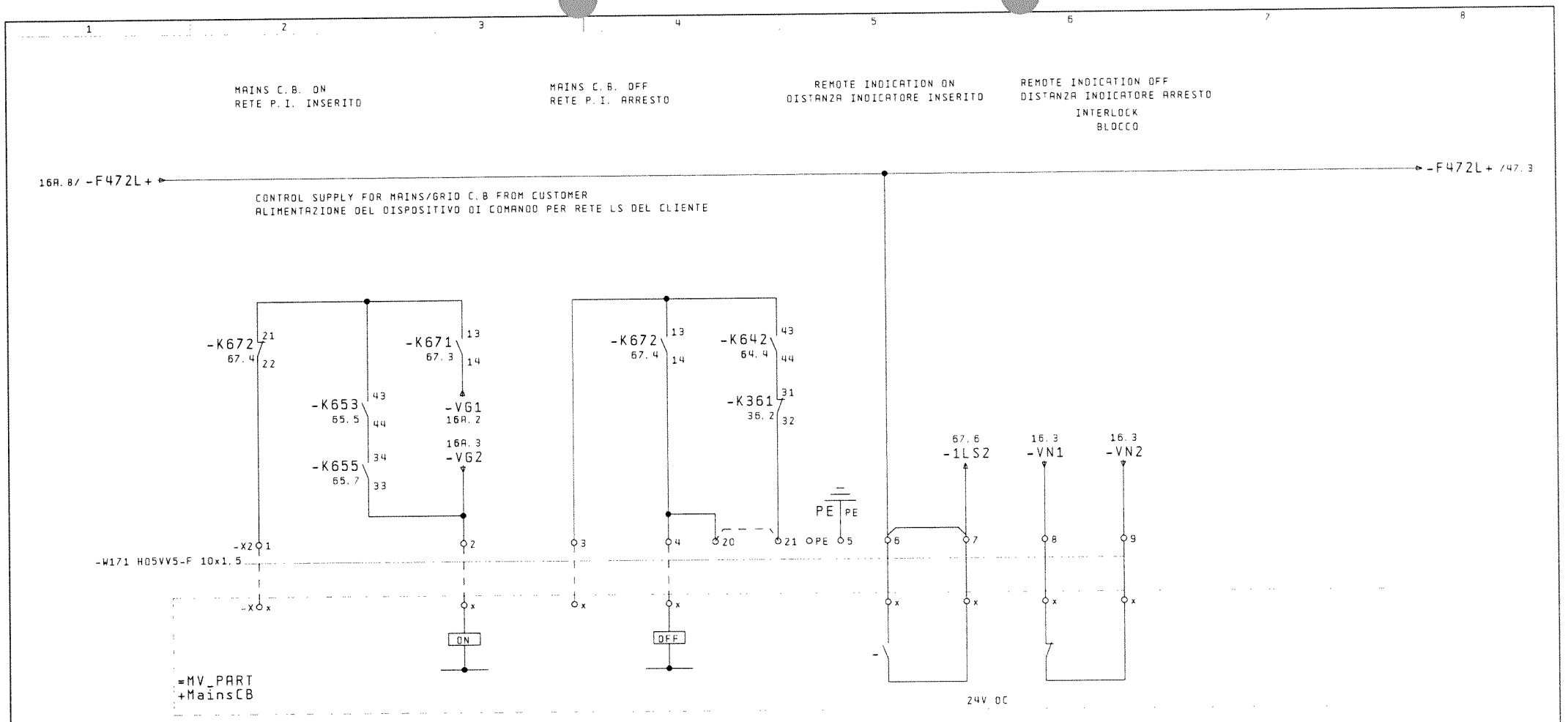


* REMOVE JUMPER IF NEEDED

16

17

			date	03.12.07	DRESSER-RANO NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	CIRCUIT BREAKER CONTROL INTERRUTTORE COMANDO	14240/067	=TU +TU
			drawn	KDL / SEL					
			check.					TUNPM-10626-L300F	pg. 16A 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



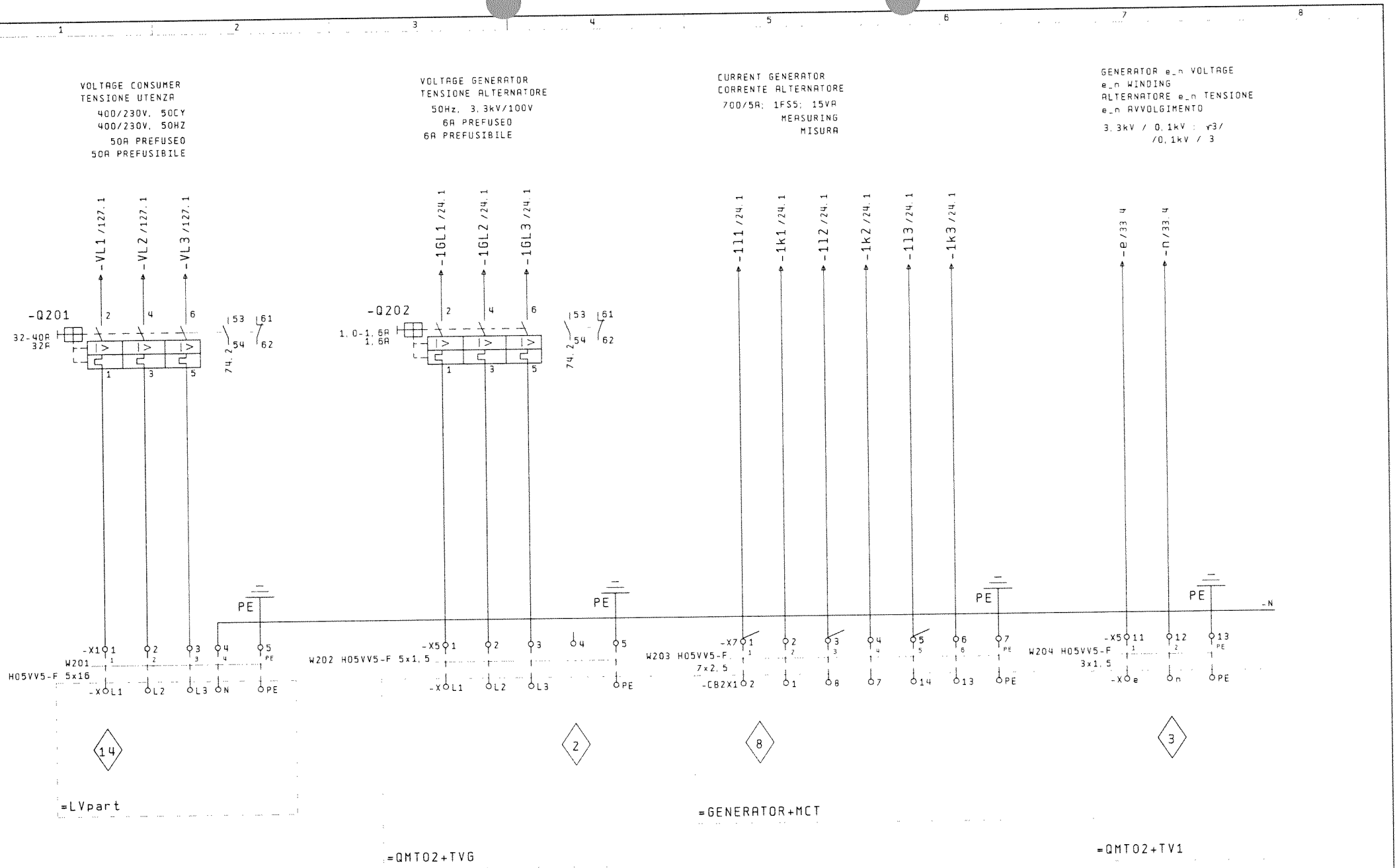
GRID C.B.
MOTOR OPERATED
SWITCH
ON COIL
SWITCH OFF COIL
AUX CONTACT 2NO / 2NC

X: MAINS C.B. OFF
RETE P.I. ARRESTO
X2: 20-21 CLOSED
X2: 20-21 CHIUSO
X6: 20-21 OPEN
X6: 20-21 APERTO

16A

20

			date	05.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	MAINS C.B CONTROL RETE P.I. COMANDO	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 17 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



17

21

			date	08.11.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONELE ENERGIE SYSTEME	INCOMING FEEDER ALIMENTAZIONE	14240/067
			drawn	KOL / SEL				
			check.					
modific.	date	name	stand.		origin.	sub. f.	sub.	TUNPM-10626-L300F

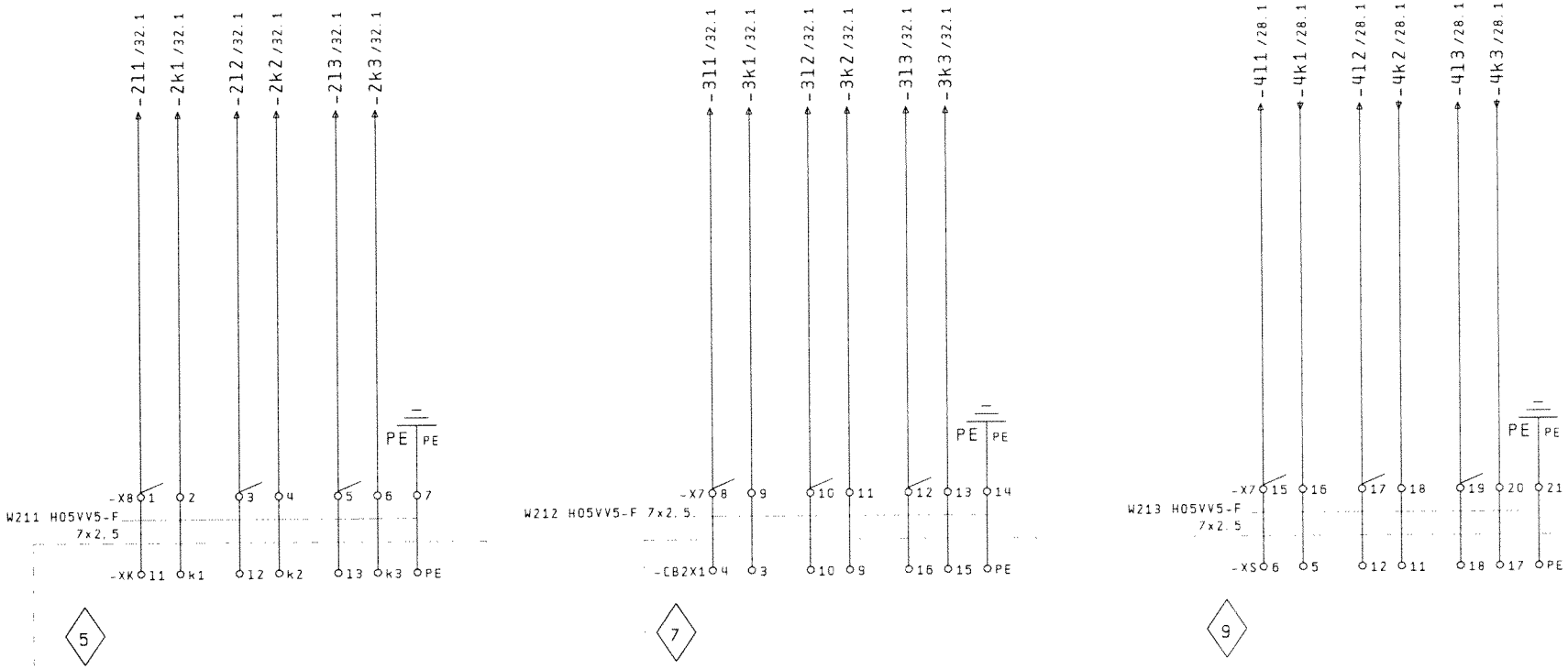
=TU
+TU

pg. 20
508 pg.

CURRENT GENERATOR
CORRENTE ALTERNATORE
700/5A; 5P10
DIFF. PROTECTION
DIFF. PROTEZIONE

CURRENT GENERATOR STARPOINT
CORRENTE ALTERNATORE STELLA TRIANGOLO
700/5A; 5P10
DIFF PROTECTION
DIFF PROTEZIONE

CURRENT GENERATOR STARPOINT
CORRENTE ALTERNATORE STELLA TRIANGOLO
700/5A; 5P10
PROTECTION
PROTEZIONE



=GENERATOR+DCT

=GENERATOR+PCT

20

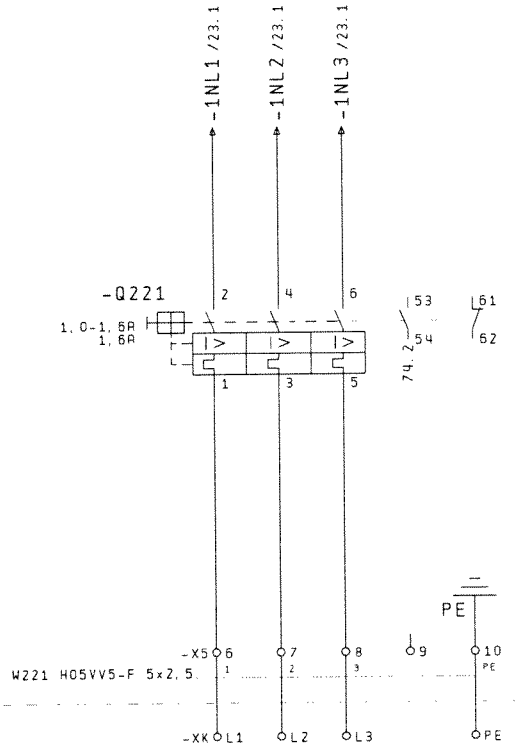
=QMT02+DCT

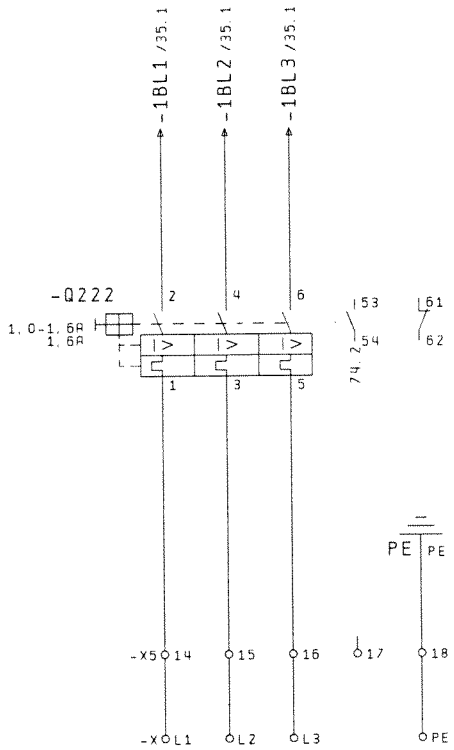
22

			date	13.11.07	DRESSER-RAND NADROWSKI 21124 EURDPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	INCOMING FEEDER ALIMENTAZIONE	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 21
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.

MAINS VOLTAGE
RETE TENSIONE
20 kV/100V, 50Hz
6A PREFUSED
6A PREFUSIBILE

BUSBAR VOLTAGE
BARRA COLLETTRICE TENSIONE
3,3kV/100V, 50Hz
6A PREFUSED
6A PREFUSIBILE

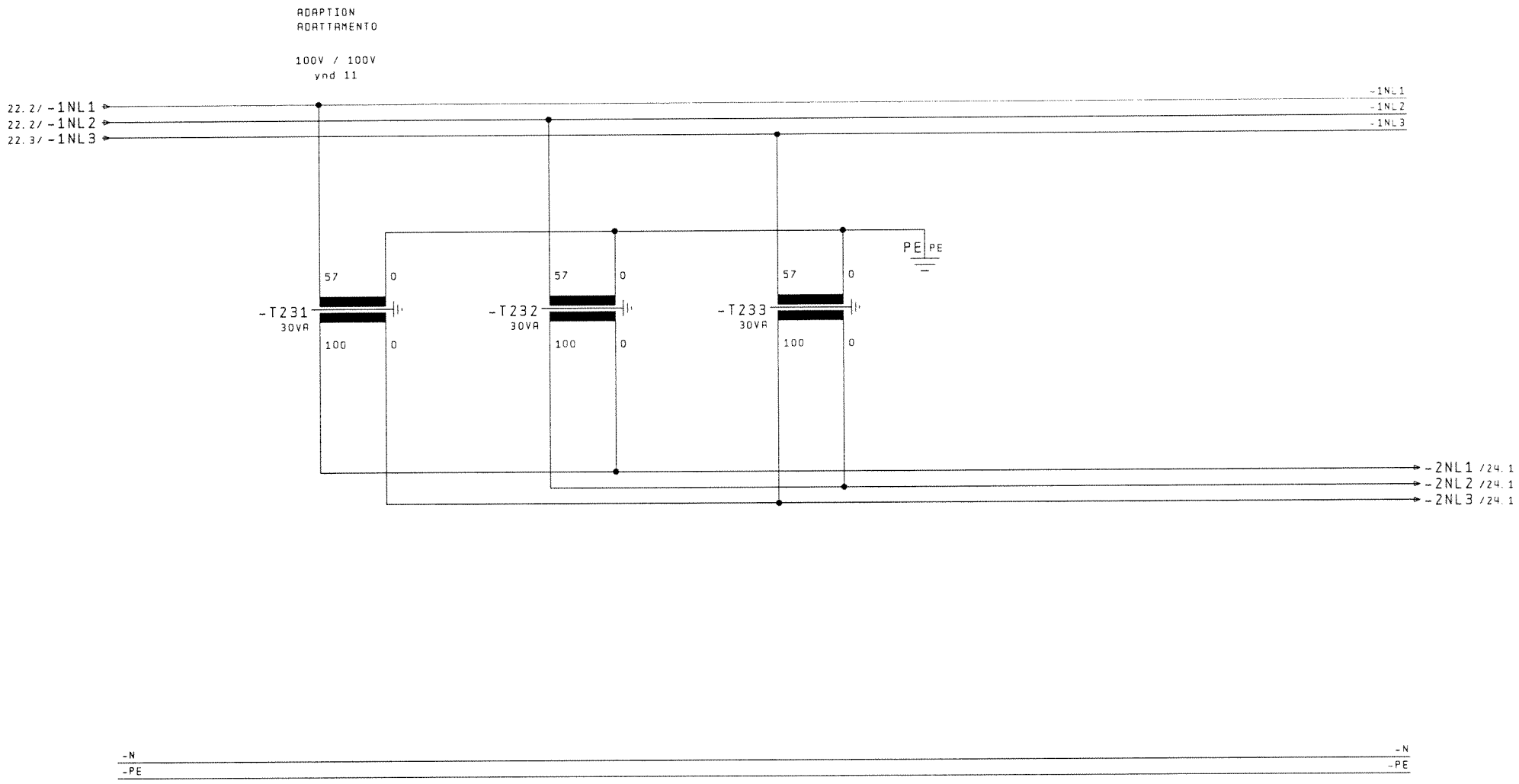




21 =QMT01+MAINS_VT

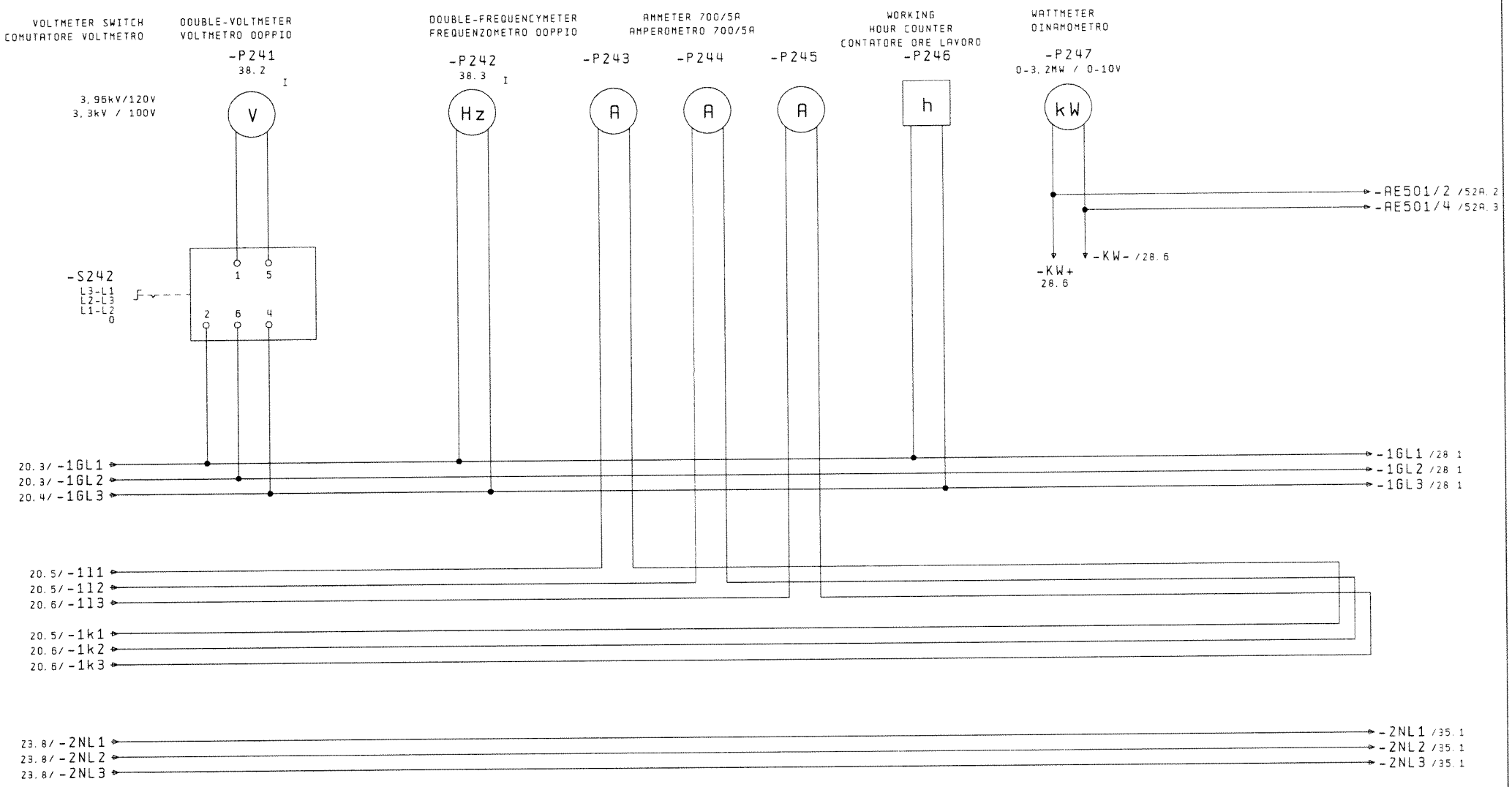
=QMT02+TV1 23

			date	08.11.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	INCOMING FEEDER ALIMENTAZIONE	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 22
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.



22 24

			date	05.12.07	DRESSER-RANO NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	MEASURING MAINS MISURA RETE	14240/067	=TU +TU	
			drawn	KOL / SEP						
			check.					TUNPM-10626-L300F	pg. 23	
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.	



23

25

			date	08.11.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONELE ENERGIE SYSTEME	MEASURING-GENERATOR-MAINS MISURA-ALTERNATORE-RETE	14240/067	+TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 24
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.

POWER FACTOR METER
MISUR. COS PHI
0.5 - 1 - 0.5

kWh - COUNTER
kWh - CONTATORE

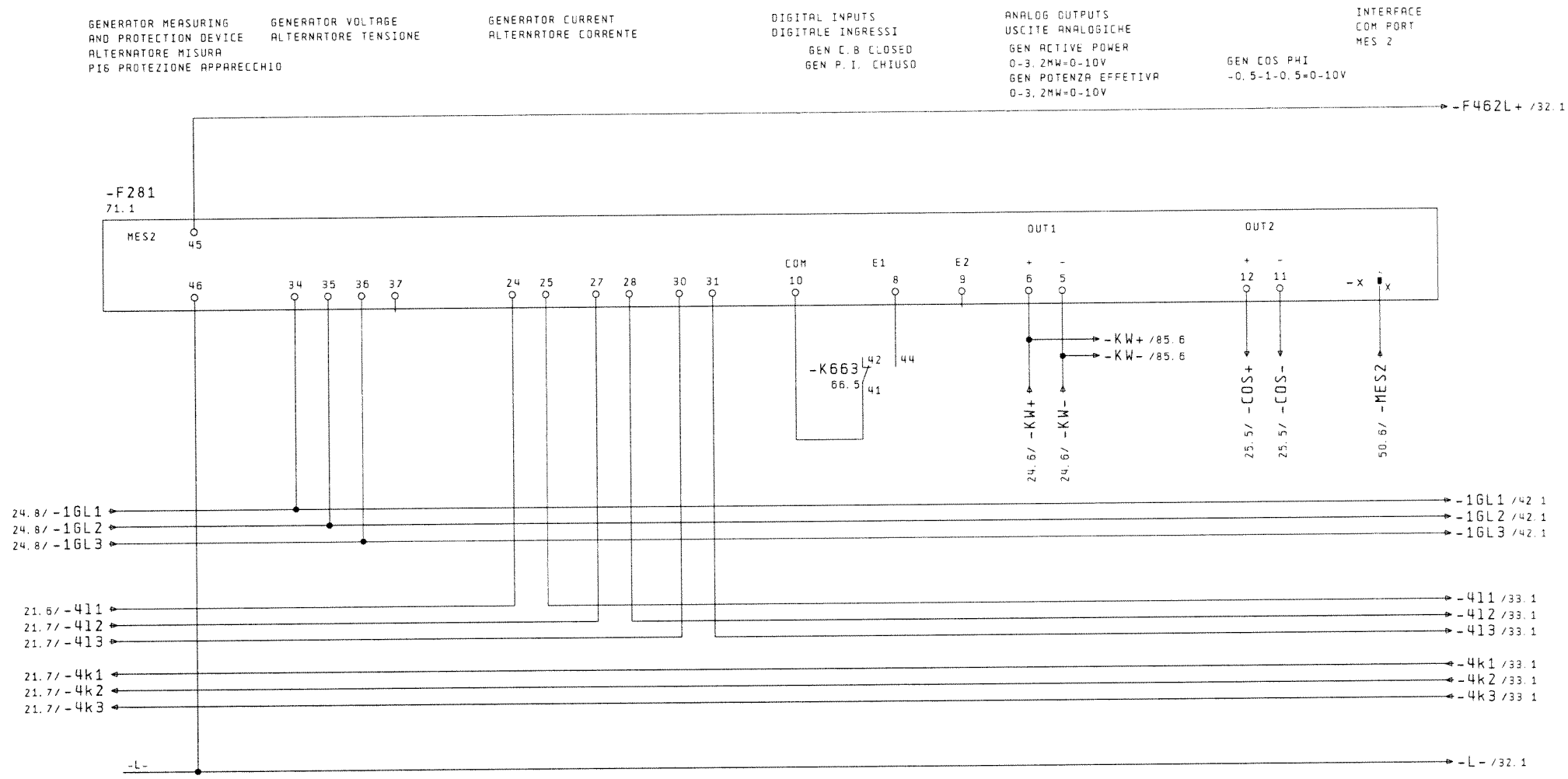
-P252

-P253

24

28

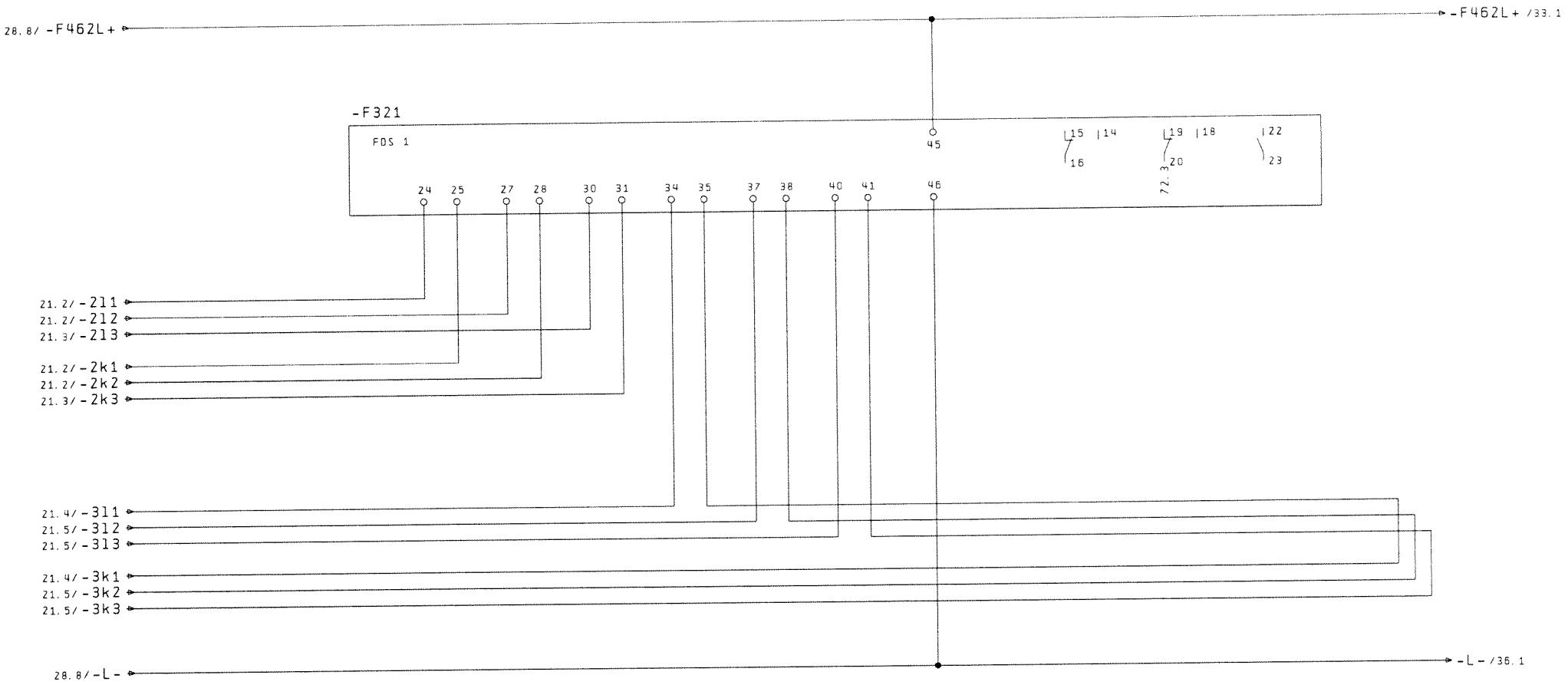
			date	29.10.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	MEASURING POWER FACTOR METER MISURA COS PHI METRO	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 25 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



25 32

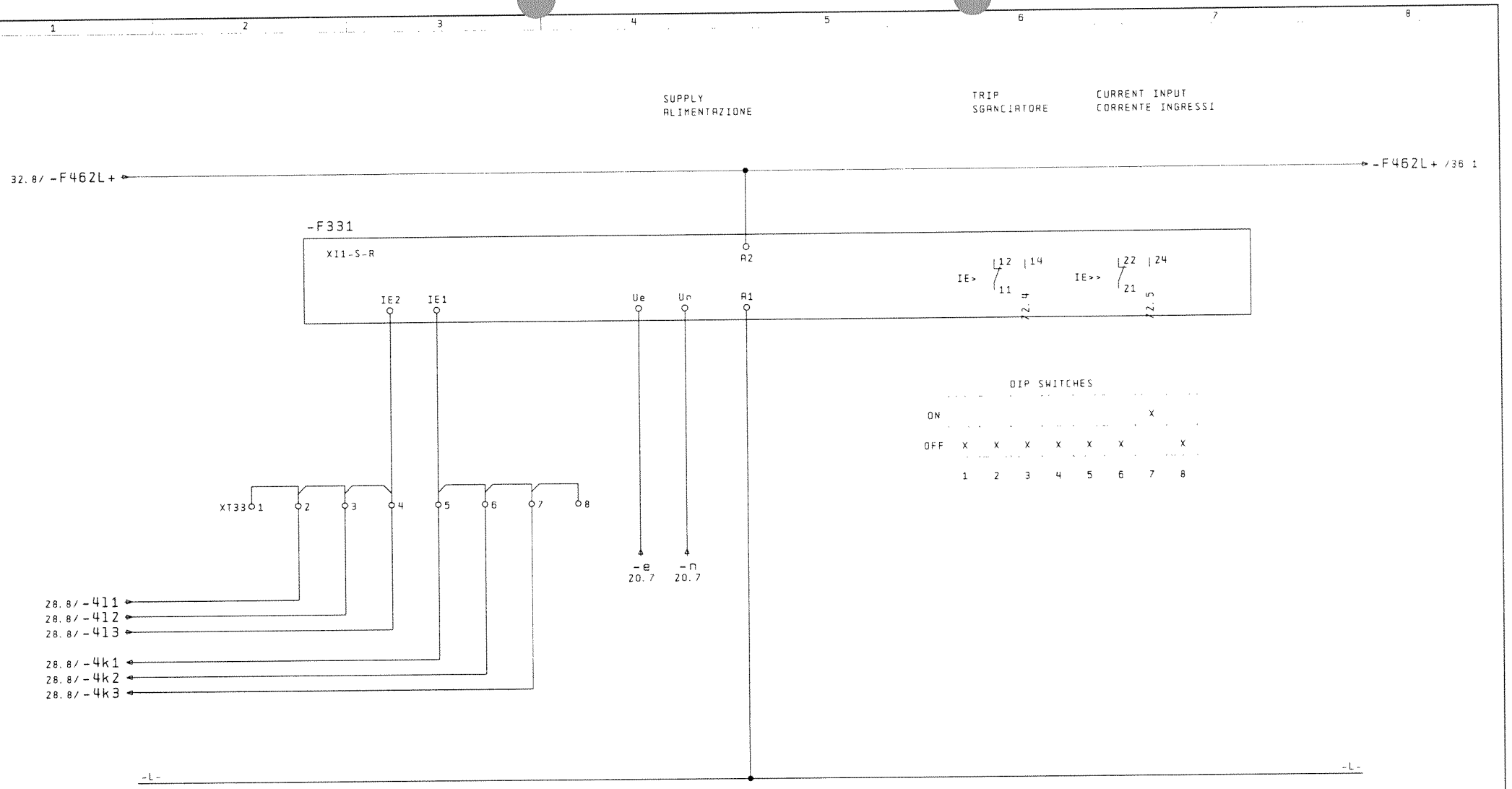
			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EURDPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	GENERATOR MONITORING ALTERNATORE SORVEGLIANZA	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 28 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		

DIFF PROTECTION
DIFF PROTEZIONE



28 33

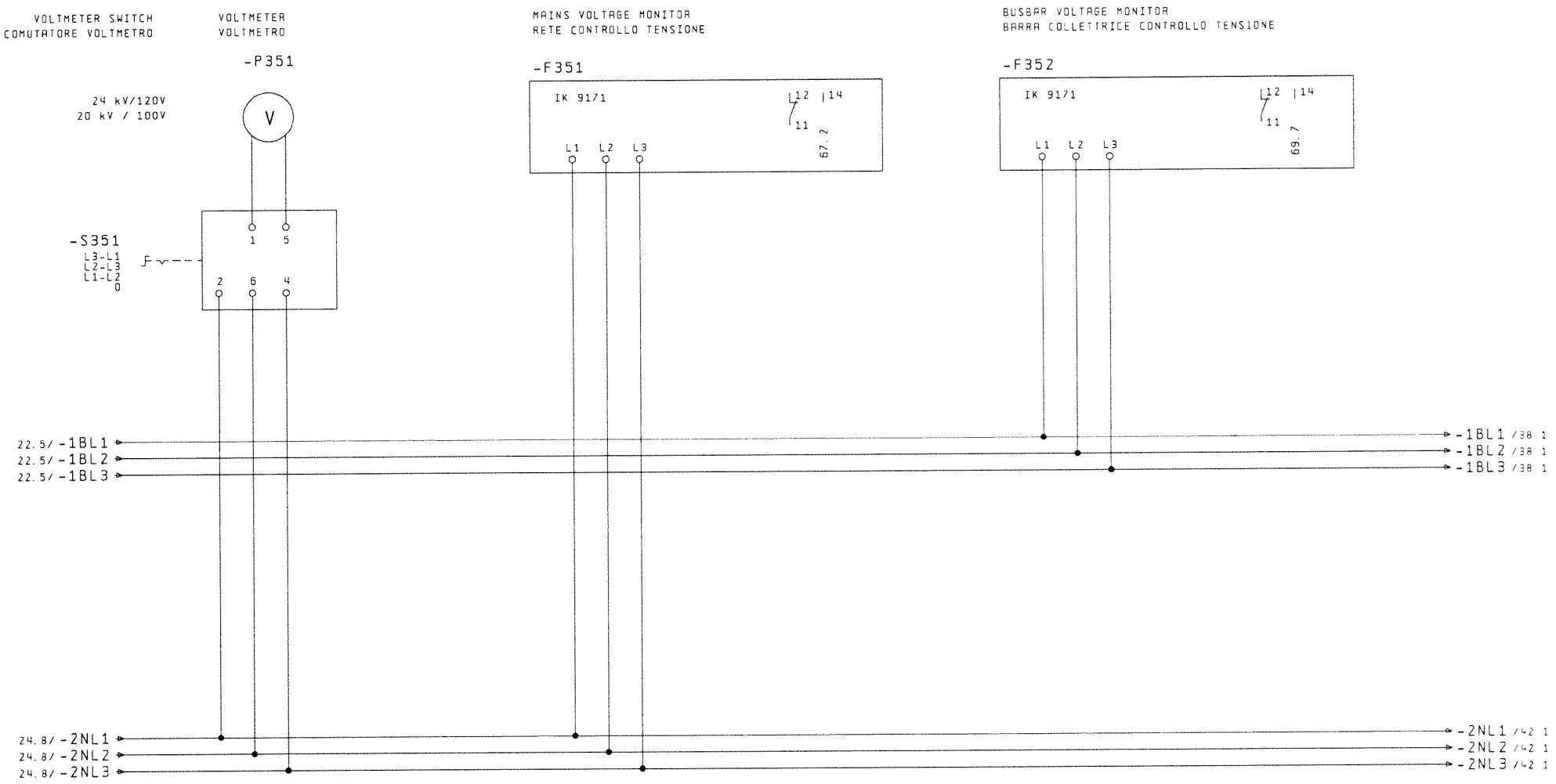
			date	24.10.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	DIFF PROTECTION DIFF PROTEZIONE	14240/067	=TU +TU		
			drawn	KOL / SEL							
			check.							pg.	32
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F		508 pg.



32

35

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	EARTH FAULT 67N CONTATTO CON TERRA 67N	14240/067	=TU +TU	
			drawn	KOL / SEL						
			check.					TUNPM-10626-L300F	pg. 33	
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.	



33 36

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	MEASURING - MAINS MISURA - RETE	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 35 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		

MAINS FAILURE
RETE DISTRUBO
U<>, f<>, VECTOR BOUNCE
U<>, f<>, VETTORE BALZO

33.8/ -F462L+ → -F462L+ /39.1

71.4
-VS

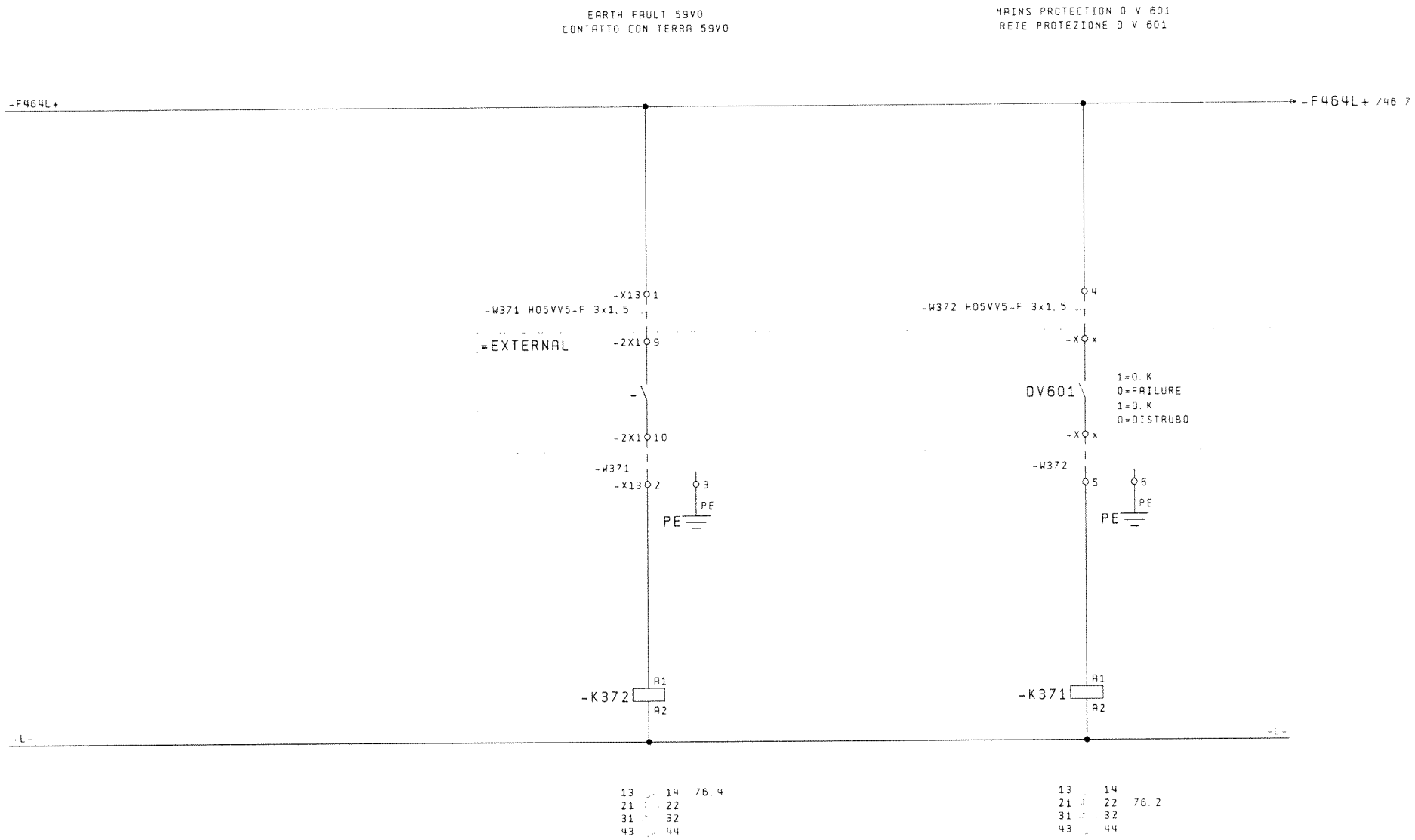
-K361 A1 A2

32.8/ -L- → -L- /39.1

13 14
21 22 16.5
31 32 17.4
43 44

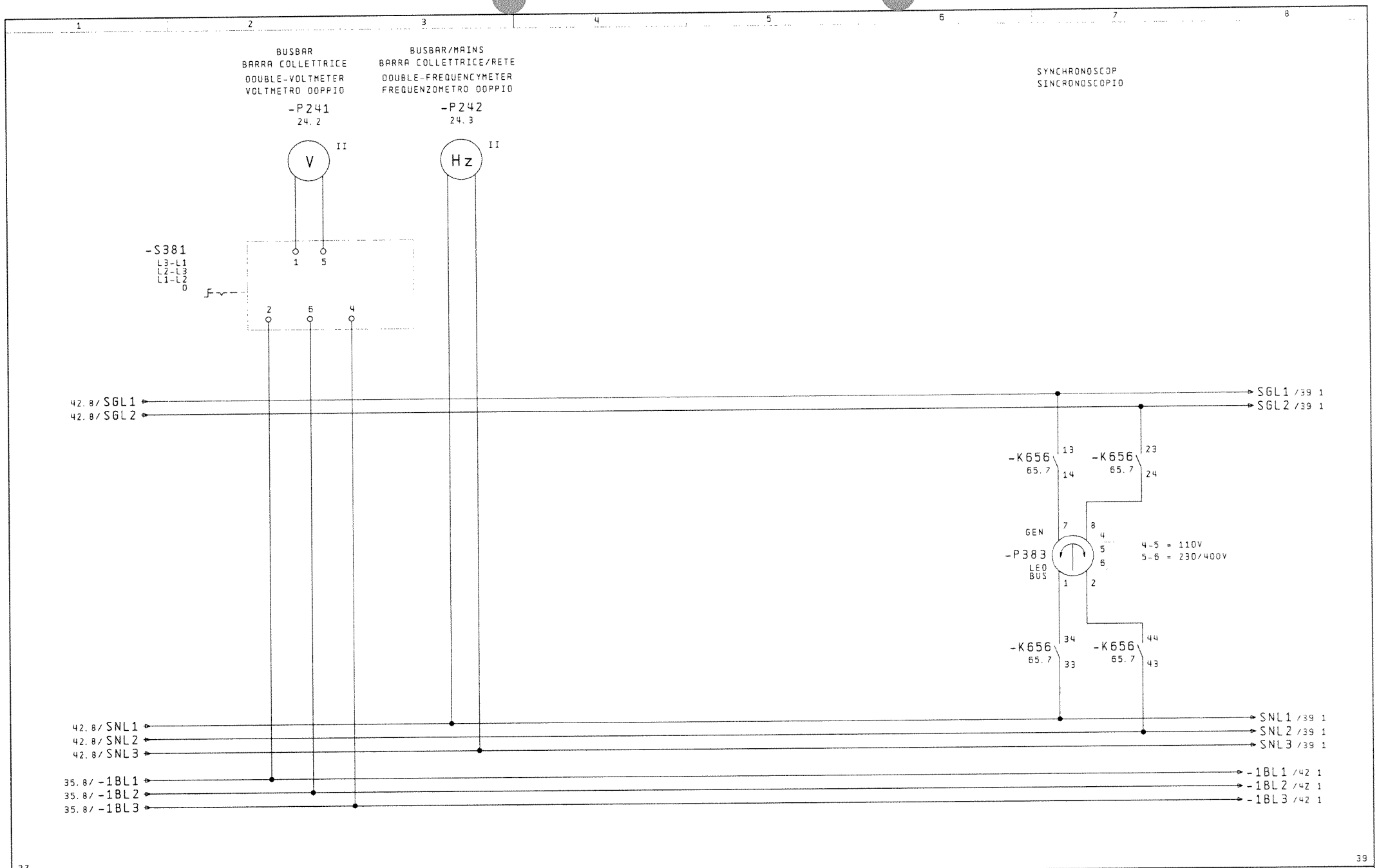
35 37

			date	05.12.07	DRESSER-RAND NADROWSKI 21124	MULTIFUNKTIONALE ENERGIE SYSTEME	MAINS FAILURE PROTECTION	14240/067		=TU	
			drawn	KDL / SEL	EUROPOWER, ITALIEN		RETE DISTRUBO PROTEZIONE			+TU	
			check.						TUNPM-10626-L300F	pg. 36	
modific.	date	name	stand.		origin.	sub. f.	sub.			508 pg.	



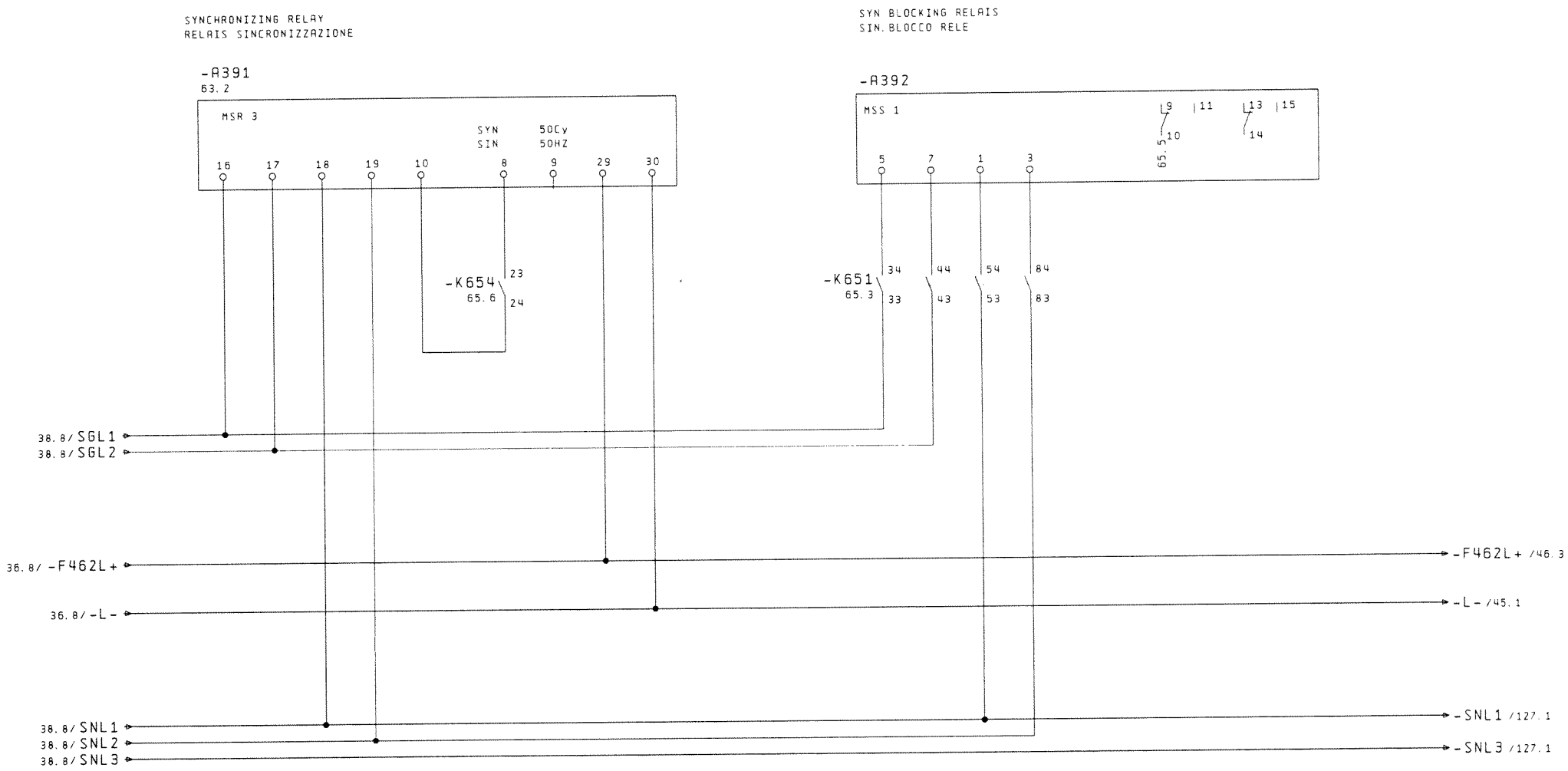
36 38

			date	05.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNXTIONALE ENERGIE SYSTEME	MAINS FAILURE PROTECTION DV 601 / 59V0 RETE DISTRUBO PROTEZIONE DV 601 / 59V0	14240/067	=TU +TU	
			drawn	KOL / SEL						
			check.					TUNPM-10626-L300F	pg. 37	
modific.	date	name	stand.		origin.	sub. f.	sub.			508 pg.



37 39

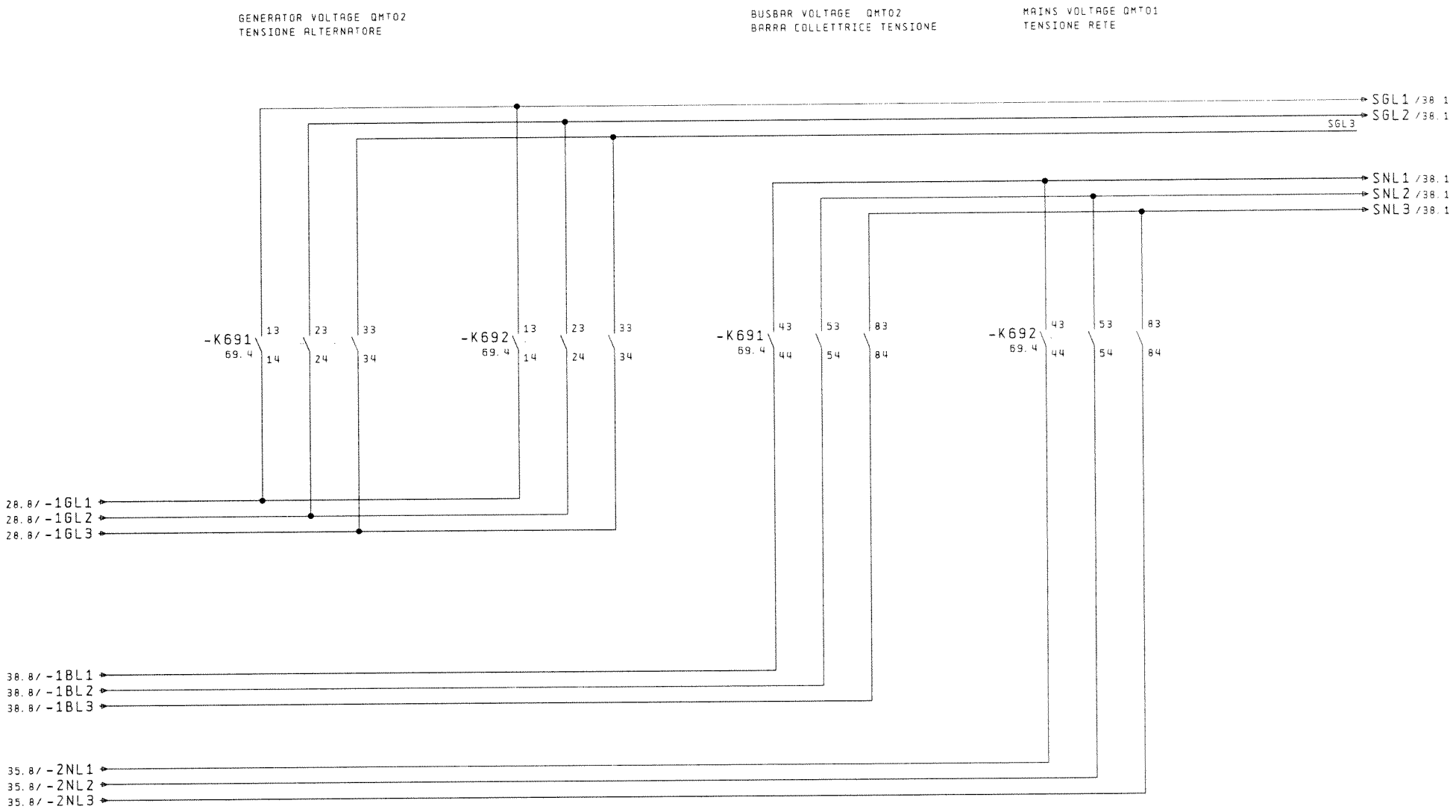
			date	08.11.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	MEASURING-GENERATOR-MAINS MISURA-ALTERNATORE-RETE	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 38 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



38

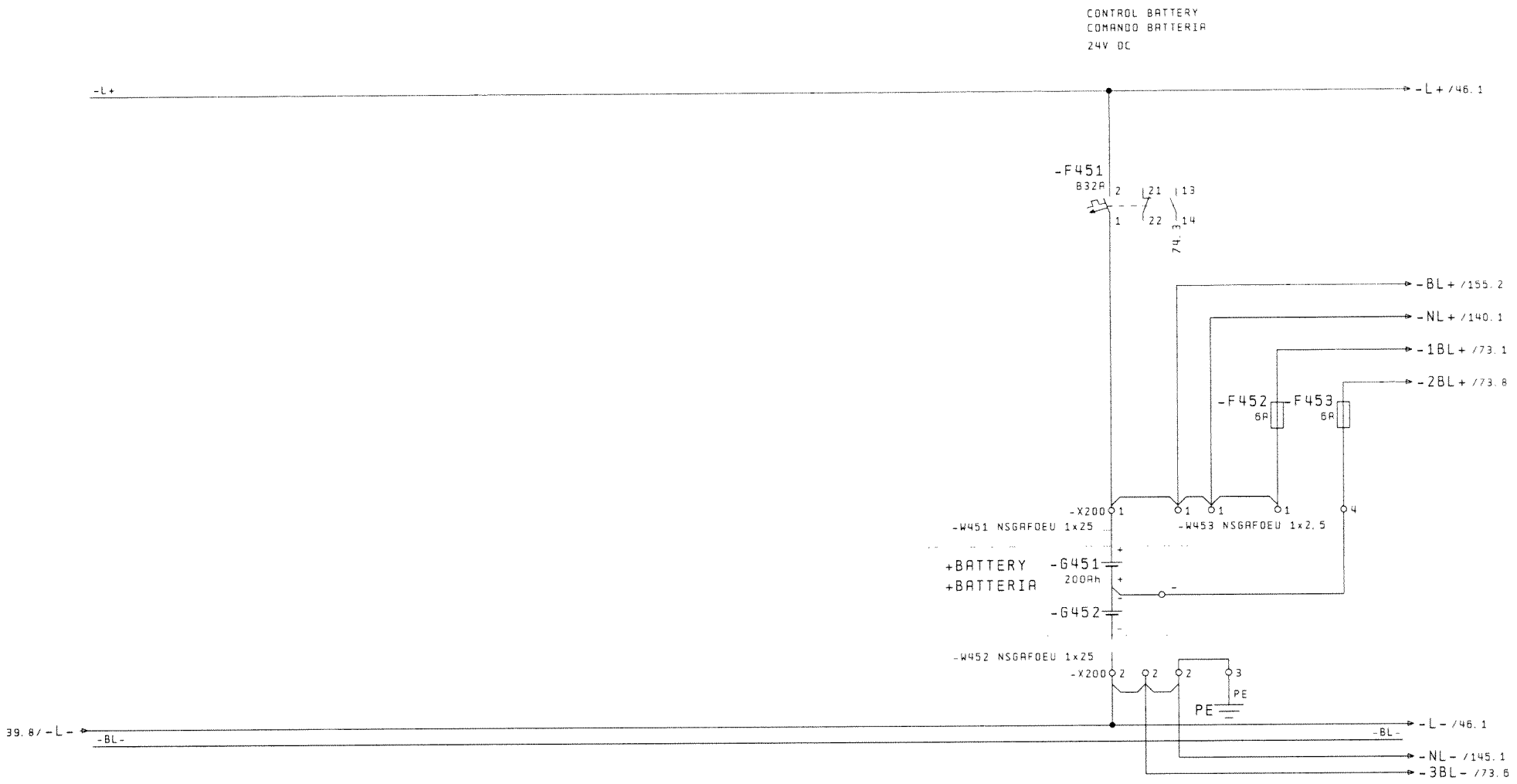
42

			date	08.11.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	MEASURING-GENERATOR-MAINS MISURA-ALTERNATORE-RETE	14240/067	-TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 39 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



39 45

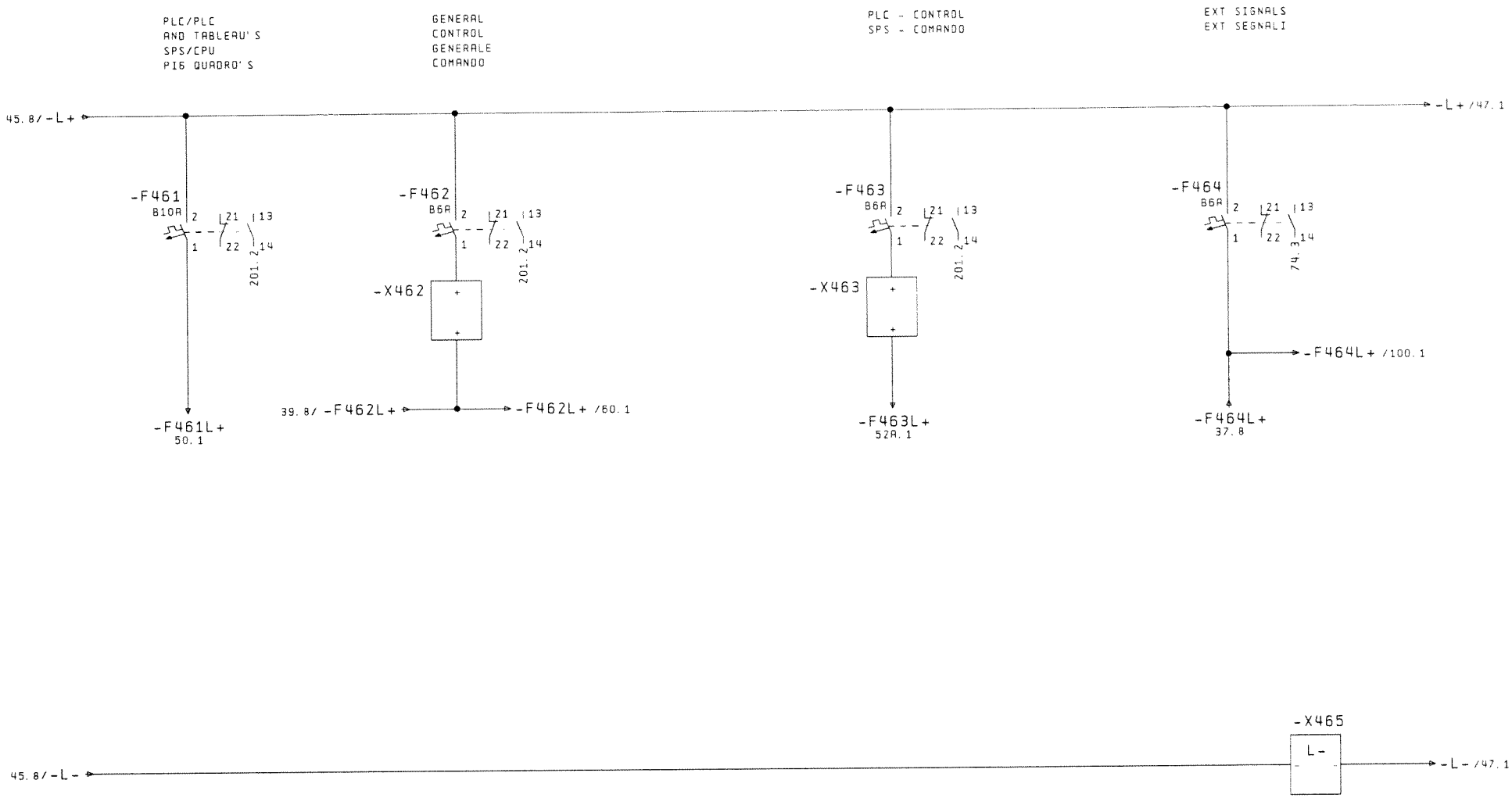
			date	08.11.07	DRESSER-RAND NADROWSKI 21124	MULTIFUNKTIONALE ENERGIE SYSTEME	SYNCHRONIZING SELECTION	14240/067		=TU	
			drawn	KOL / SEP	EUROPOWER, ITALIEN		SINCRONIZZAZIONE SELEZIONE			+TU	
			check.						TUNPM-10626-L300F		pg. 42
modific.	date	name	stand.		origin.	sub. f.	sub.				508 pg.



42

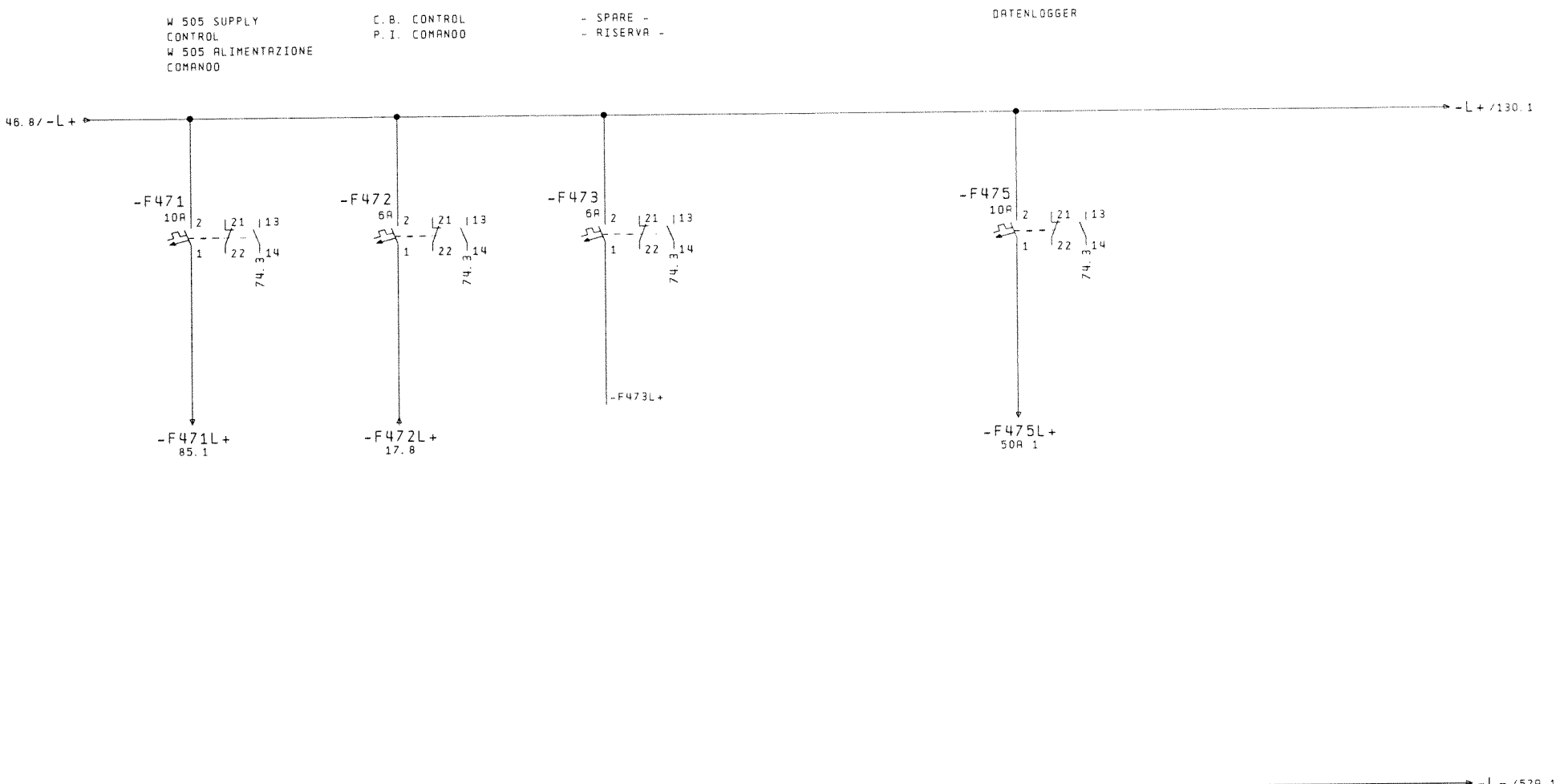
46

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EURDPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	CONTROL VOLTAGE COMANDO TENSIONE	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.					TUNPM-10626-L300F	pg. 45 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



45 47

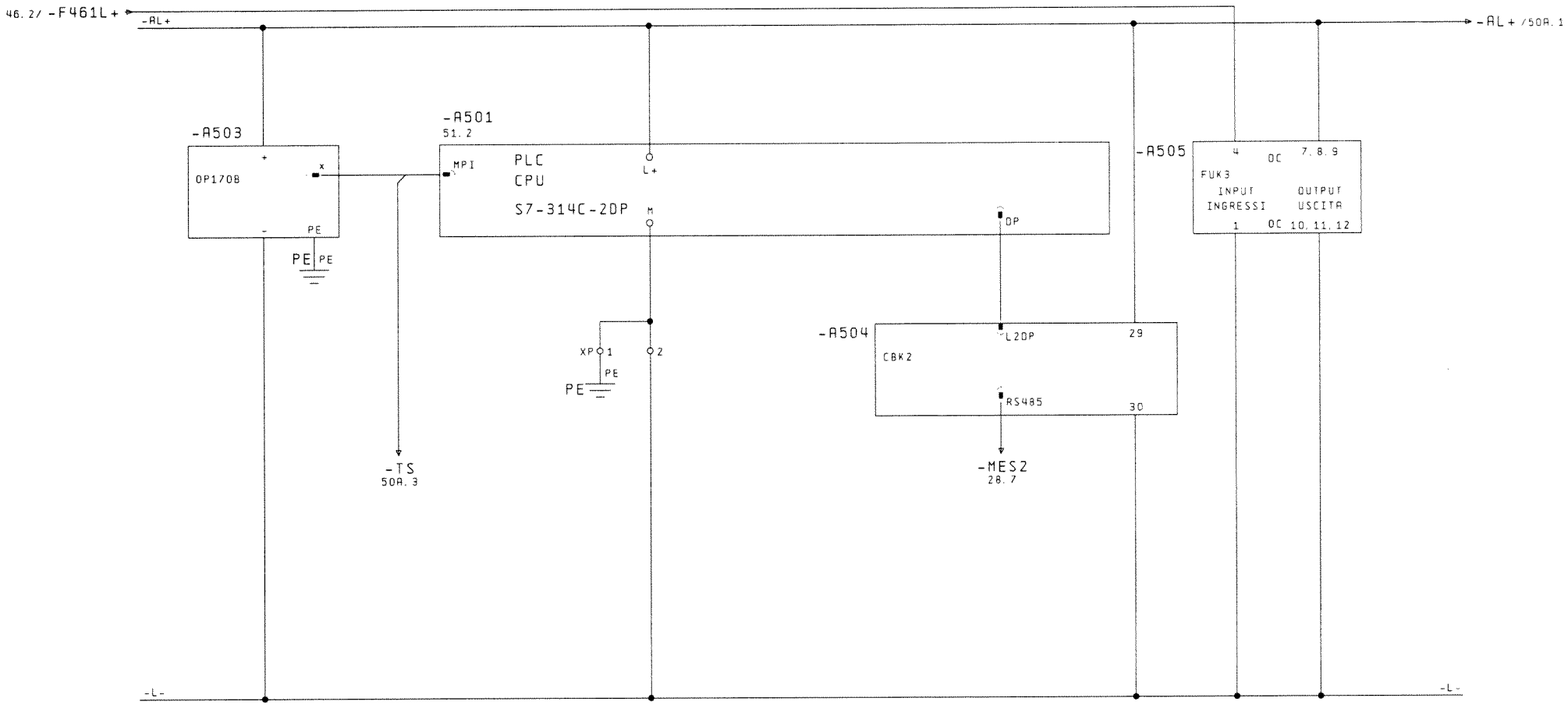
			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	DIRECT VOLTAGE DISTRIBUTION TENSIONE CONTINUA DISTRIBUZIONE	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 46 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



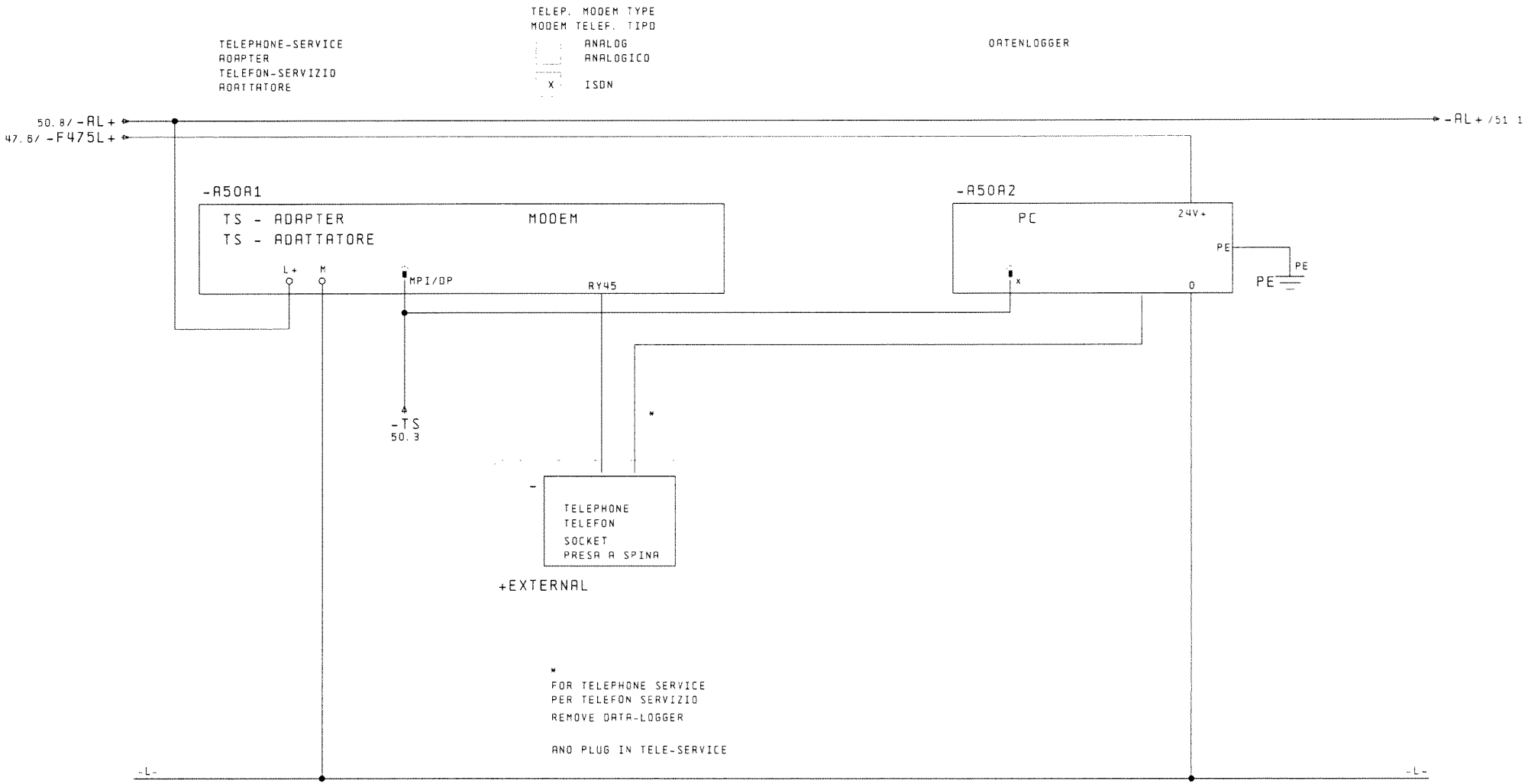
46

50

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN		MULTIFUNKTIONELE ENERGIE SYSTEME	SUPPLY ALIMENTAZIONE	14240/067	=TU +TU	
			drawn	KOL / SEL							
			check.						TUNPM-10626-L300F	pg. 47	508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.				

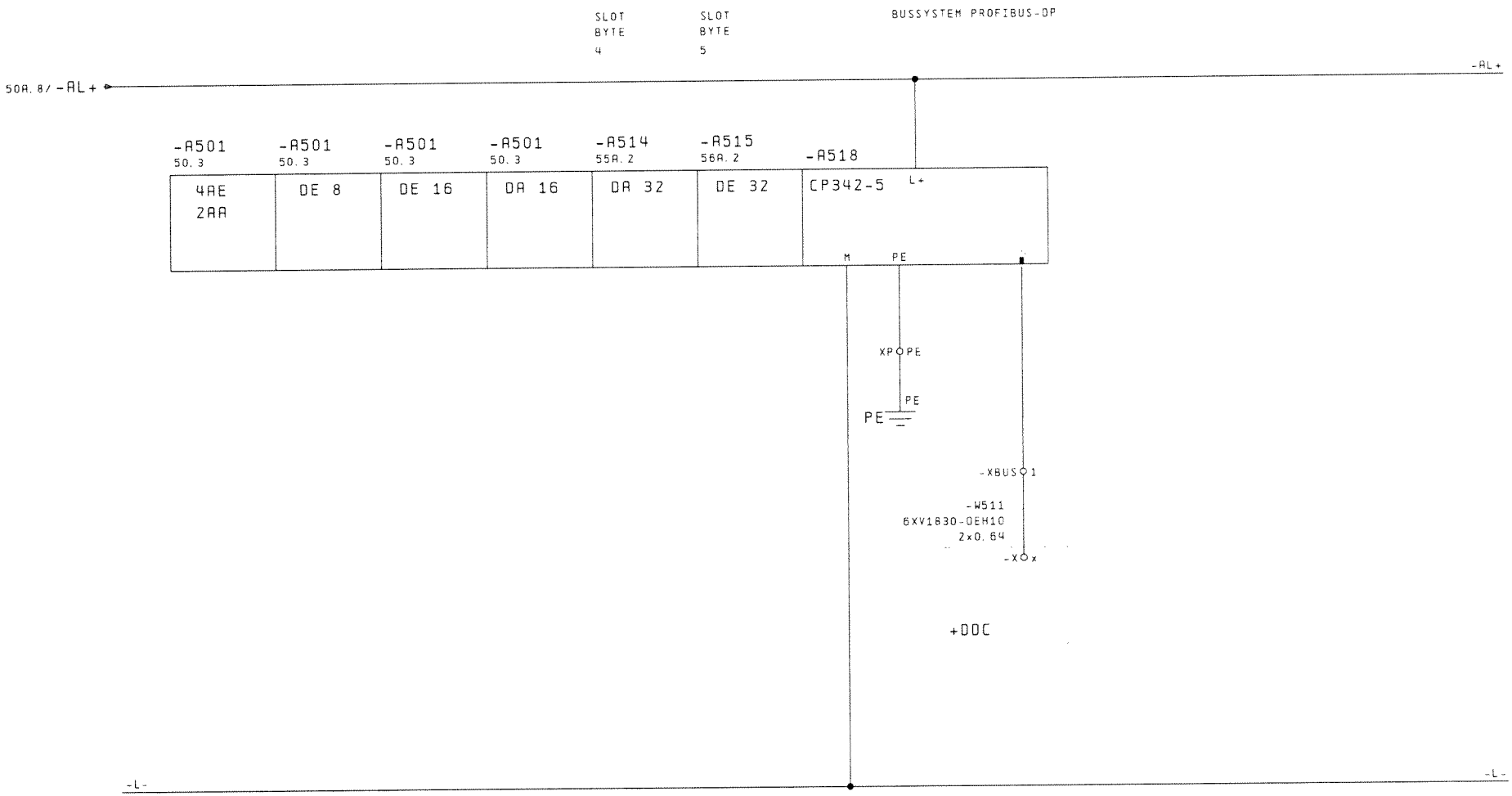


			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONELLE ENERGIE SYSTEME	PLC-OVERVIEW SPS-VISTA D'INSIEME	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.					TUNPM-10626-L300F	pg. 50 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



50 51

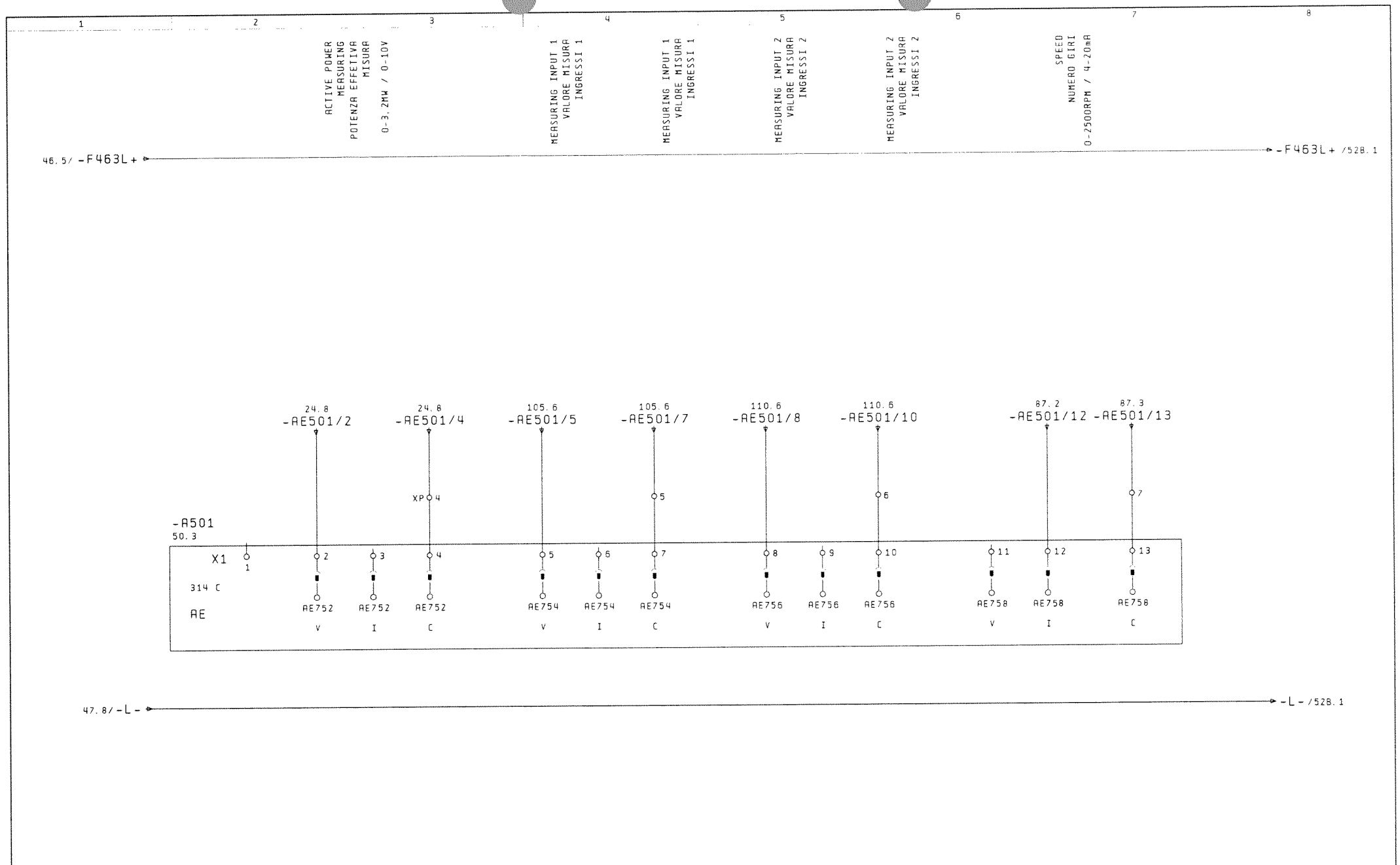
			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	TELEPHONE-SERVICE ADAPTER TELEFON-SERVIZIO ADATTATORE	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.						
modific.	date	name	stand.		origin.	sub. f.	sub.	TUNPM-10626-L300F	pg. 50A 508 pg



50A

52A

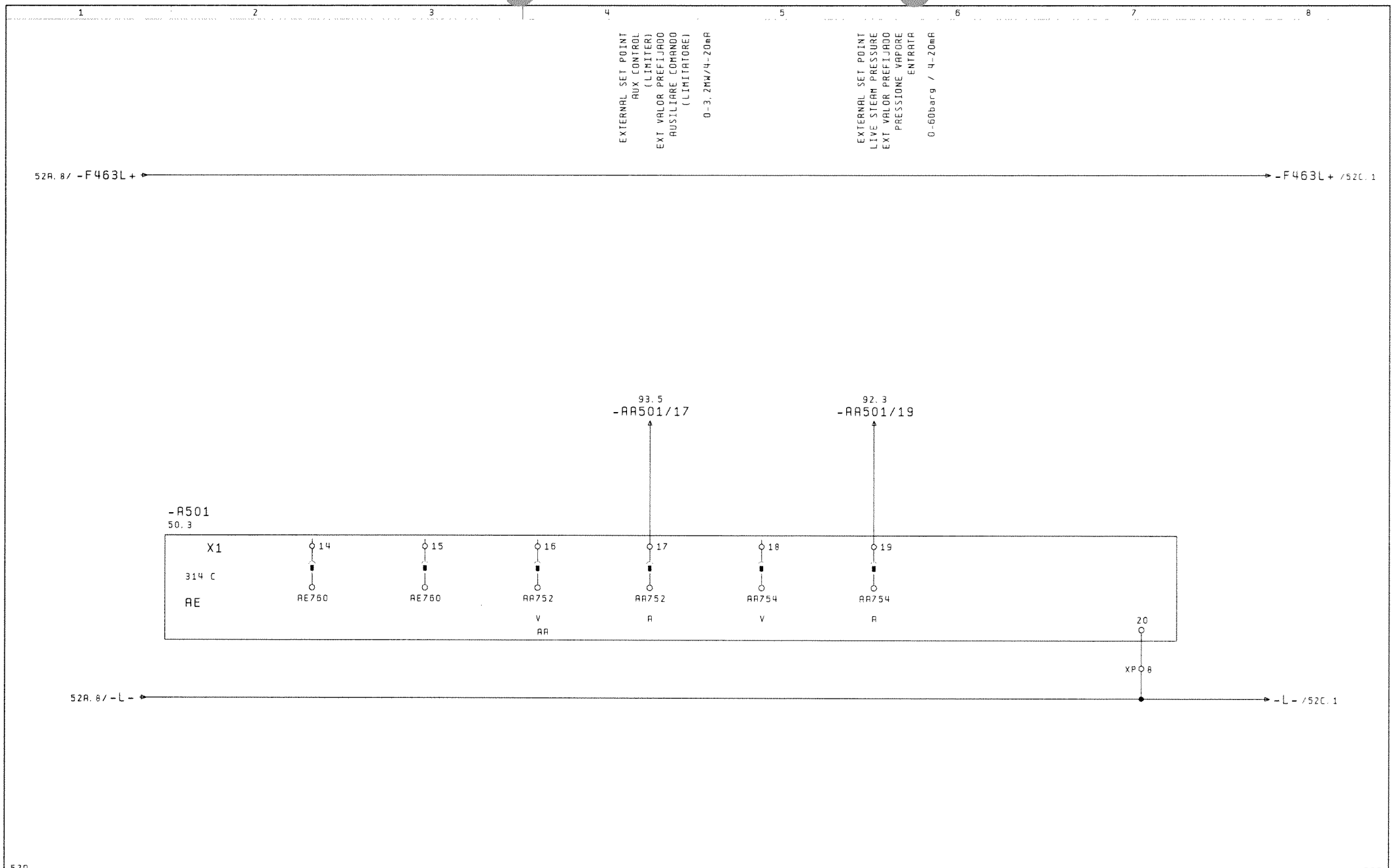
			date	23. 10. 07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	PLC OVERVIEW SPS VISTA D'INSIEME	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.					TUNPM-10626-L300F	pg 51 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



51

528

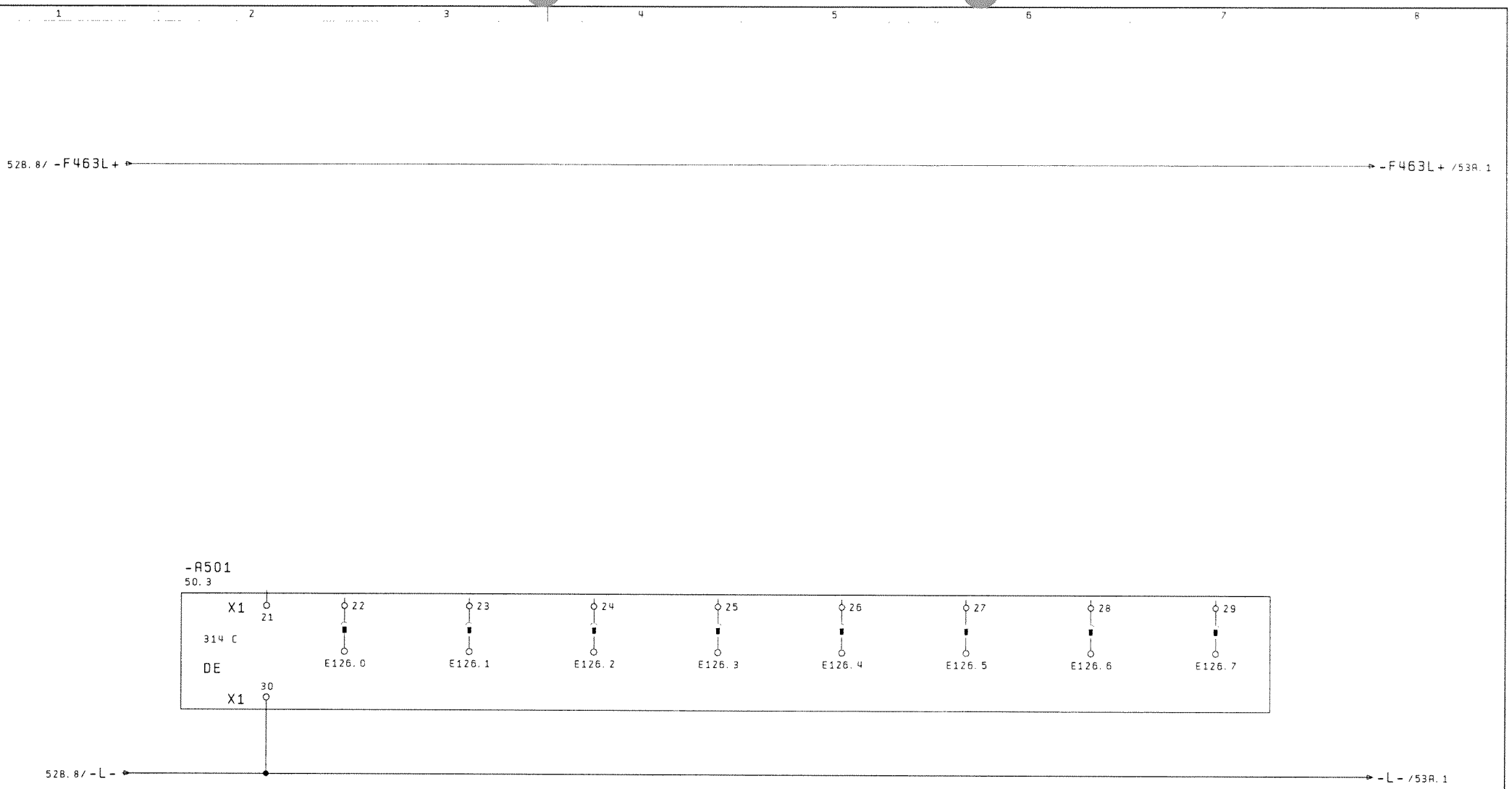
			date	30.08.07	DRESSER-RAND NADROWSKI 21124	MULTIFUNKTIONALE ENERGIE SYSTEME	ANALOG INPUTS 314C	14240/067	=TU		
			drawn	KOL / SEL	EUROPOWER, ITALIEN		ANALOGICO INGRESSI 314C		+TU		
			check.							pg.	52A
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F		508 pg.



52A

52C

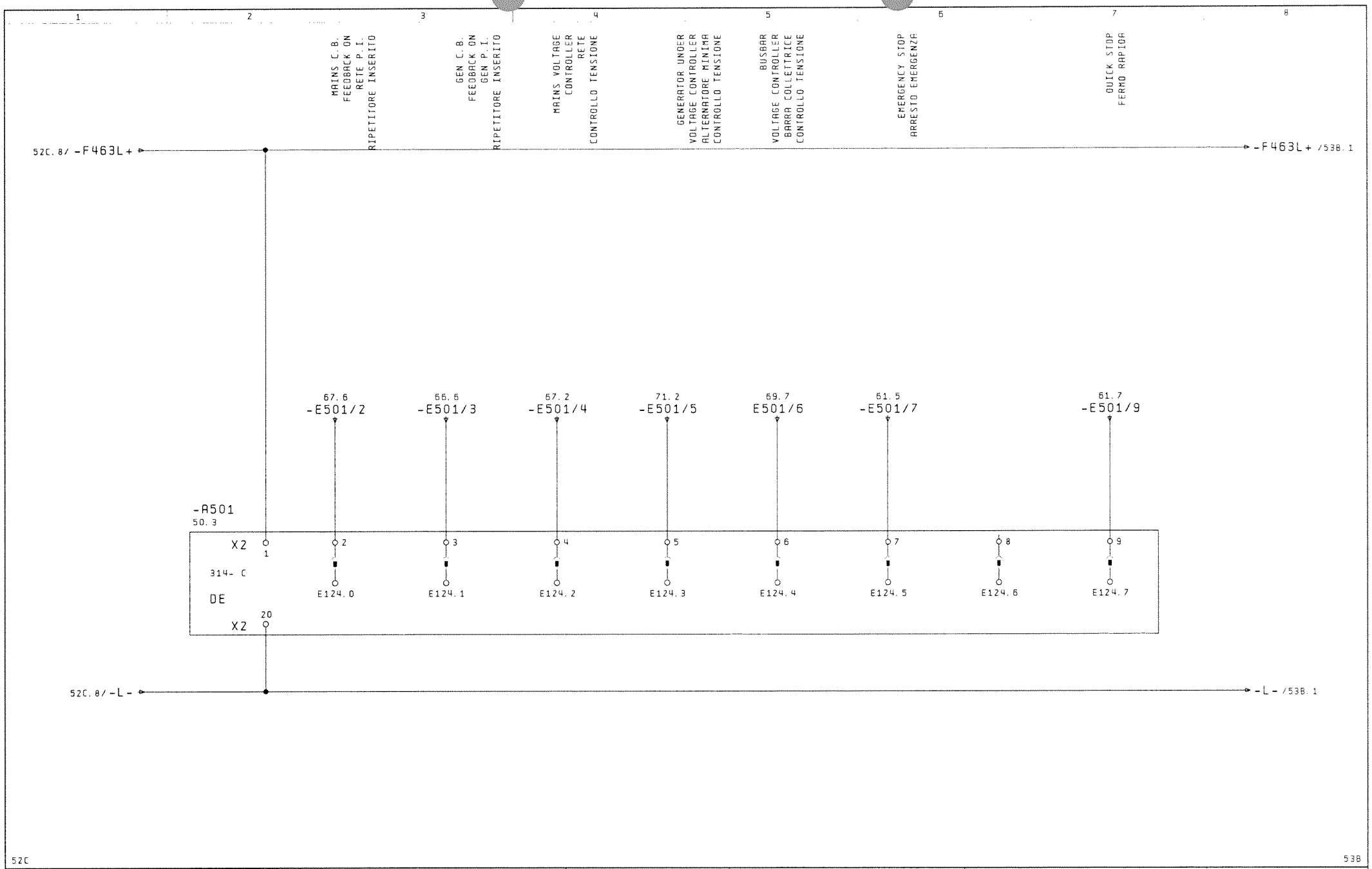
			date	30.08.07	DRESSER-RAND NADROWSKI 21124	MULTIFUNKTIONALE ENERGIE SYSTEME	ANALOG OUTPUTS 314C	14240/067	=TU	
			drawn	KOL / SEL	EUROPOWER, ITALIEN		ANALOGICO USCITE 314C		+TU	
			check.							
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F	pg 52B / 508 pg.



528

53P

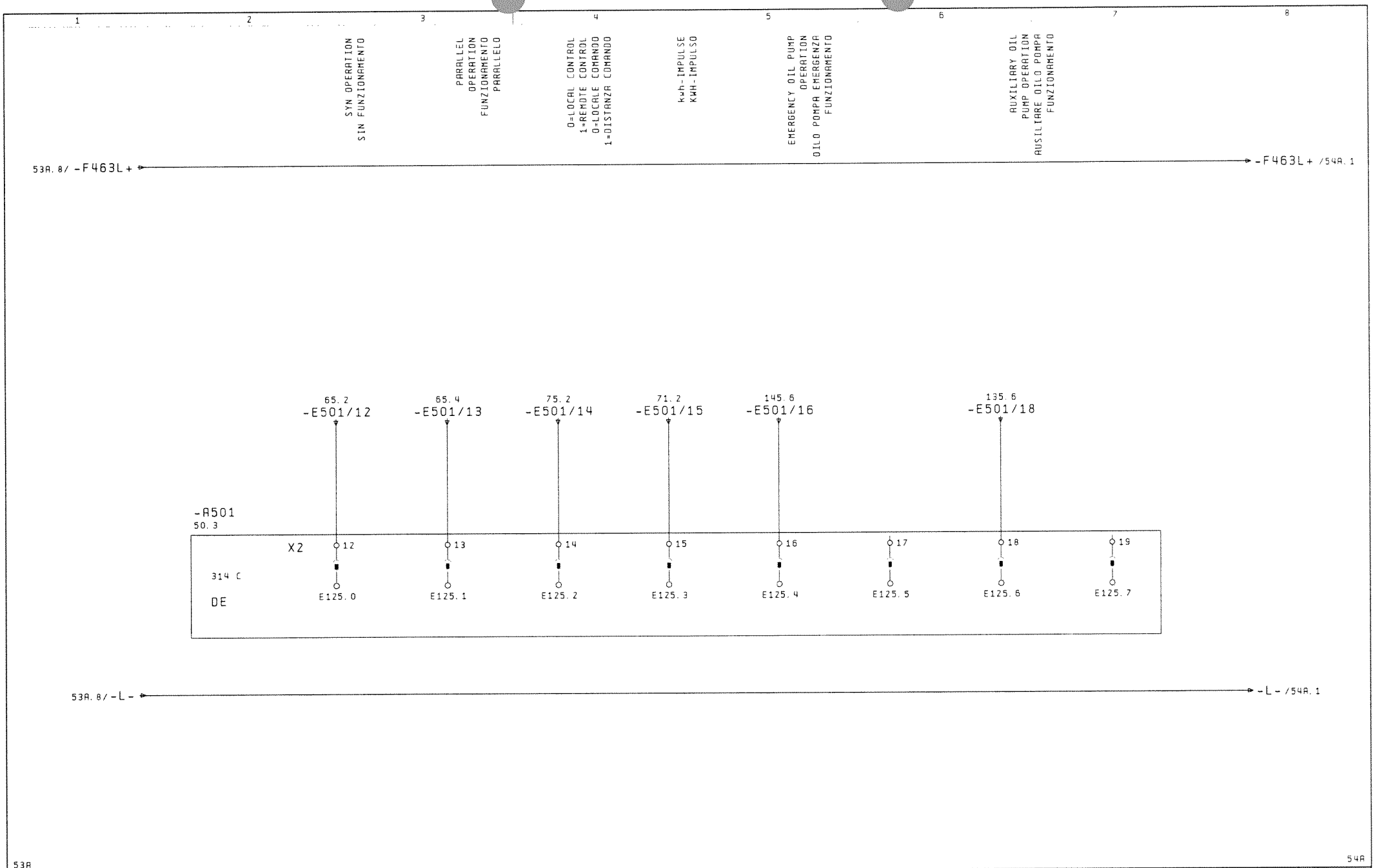
			date	30.08.07	DRESSER-RAND NADROWSKI 21124	MULTIFUNKTIONALE ENERGIE SYSTEME	DIGITAL INPUTS 314C	14240/067		=TU	
			drawn	KOL / SEL	EUROPOWER, ITALIEN		DIGITALE INGRESSI 314C			+TU	
			check.								
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F	pg.	52C
											508 pg.



52C

53B

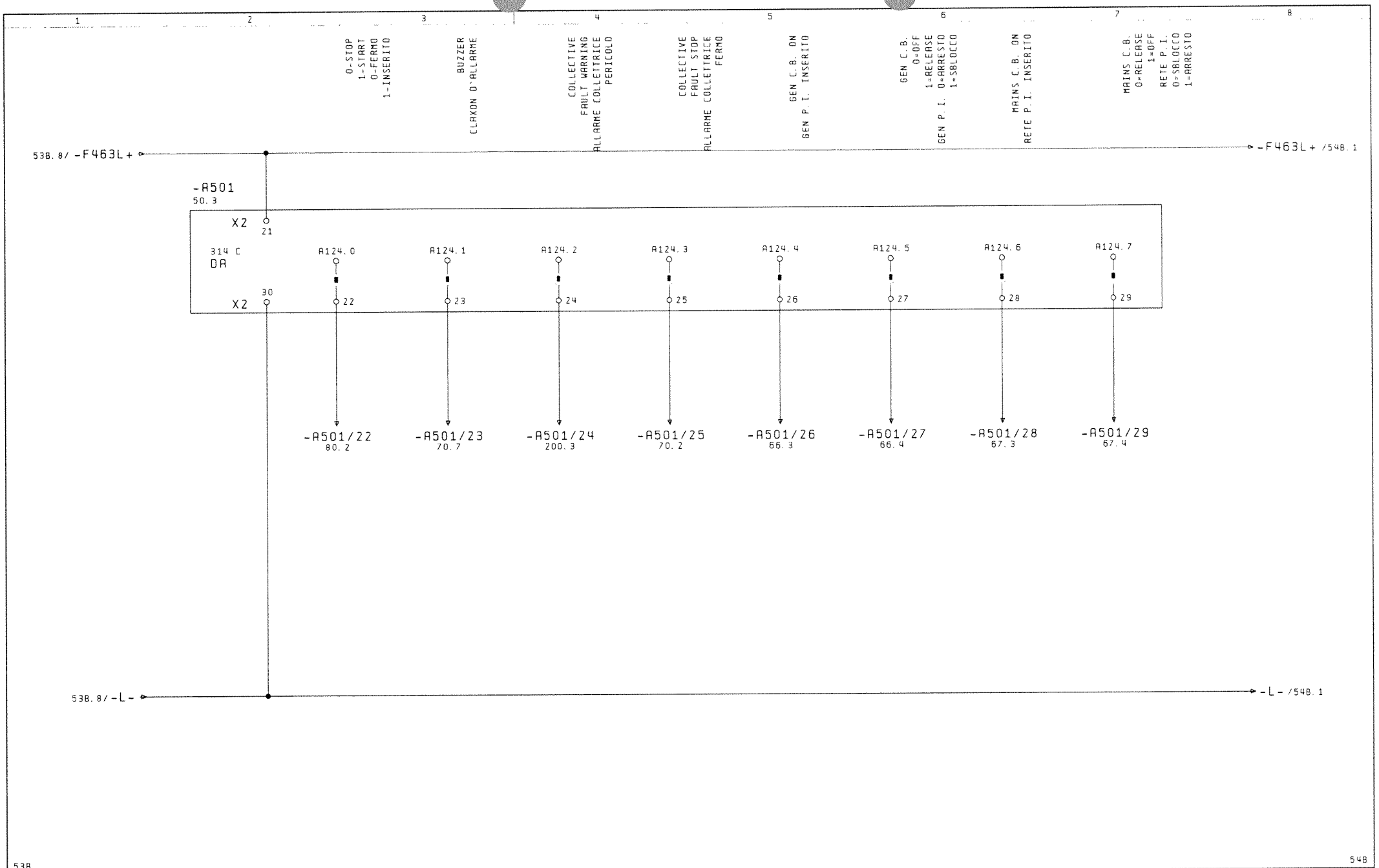
			date	13.11.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	DIGITAL INPUTS DIGITALE INGRESSI	14240/067	=TU +TU	
			drawn	KOL / SEL						
			check.					TUNPM-10626-L300F	pg. 53A	
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.	



53A

54A

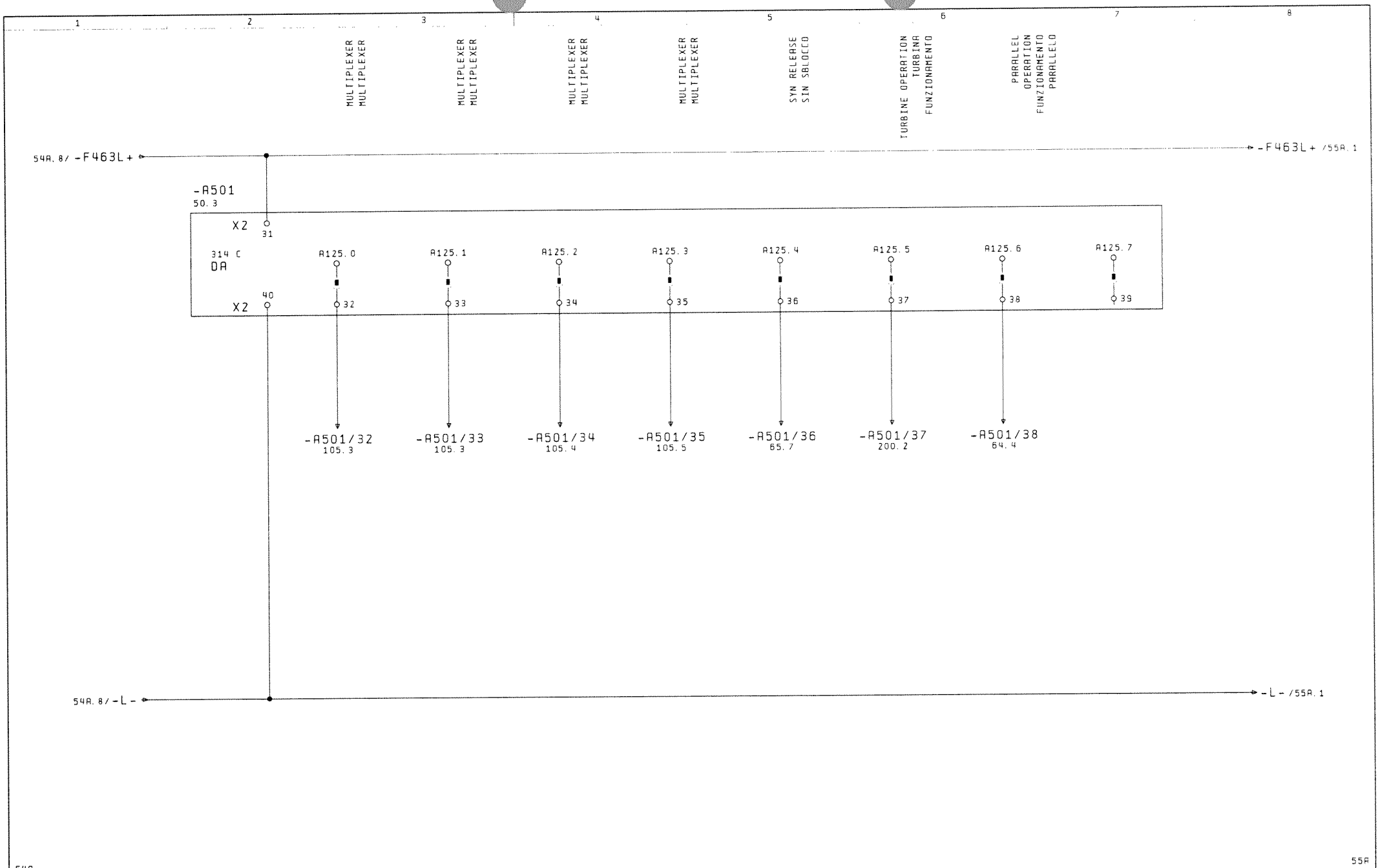
			date	30. 08. 07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	DIGITAL INPUTS DIGITALE INGRESSI	14240/067	=TU +TU		
			drawn	KOL / SEL							
			check.							pg.	53B
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F		508 pg.



53B

54B

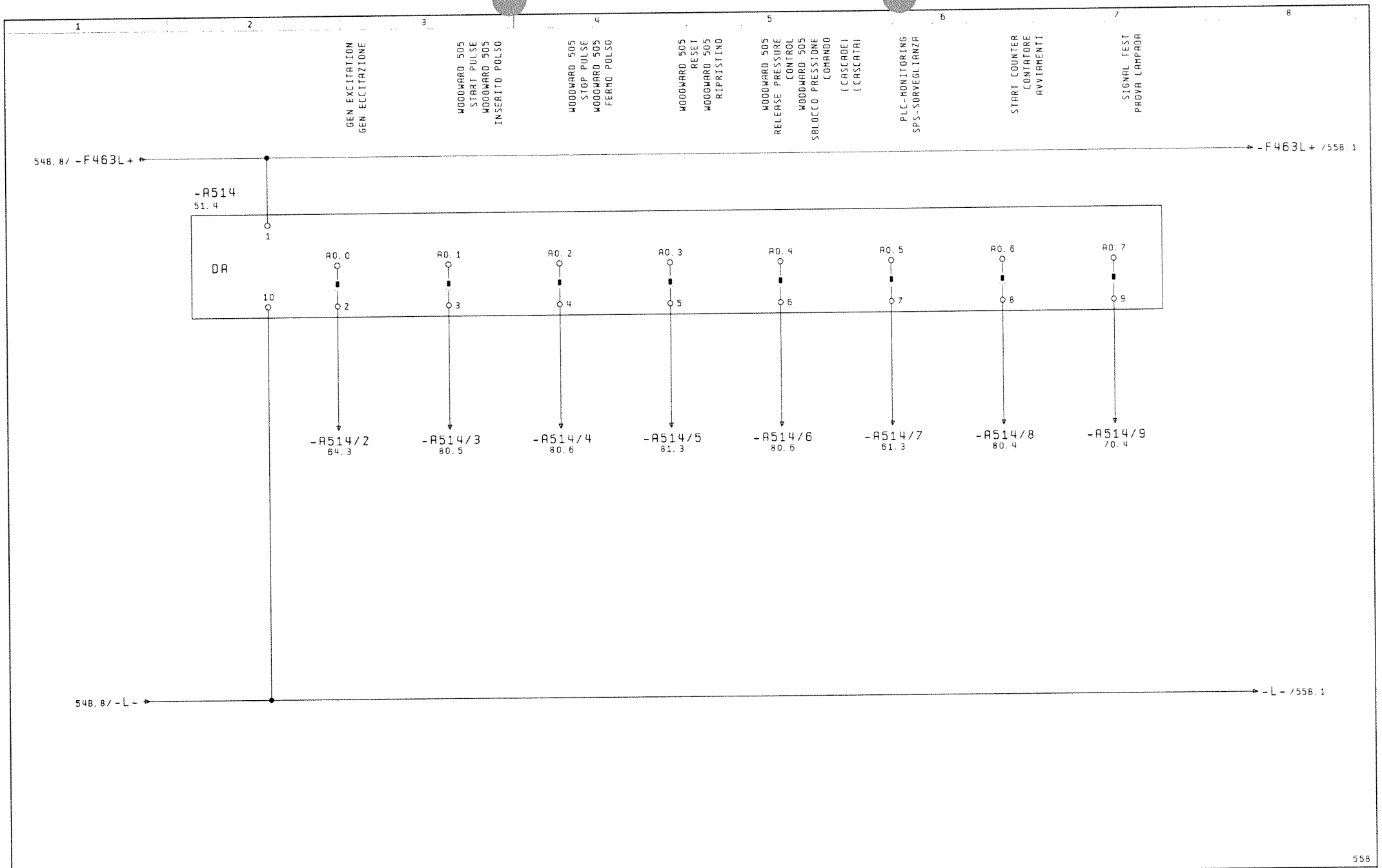
			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	DIGITAL OUTPUTS DIGITAL USCITE	14240/067	-TU +TU	
			drawn	KOL / SEL						
			check.					TUNPM-10626-L300F	pg. 54A	
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.	



54A

55A

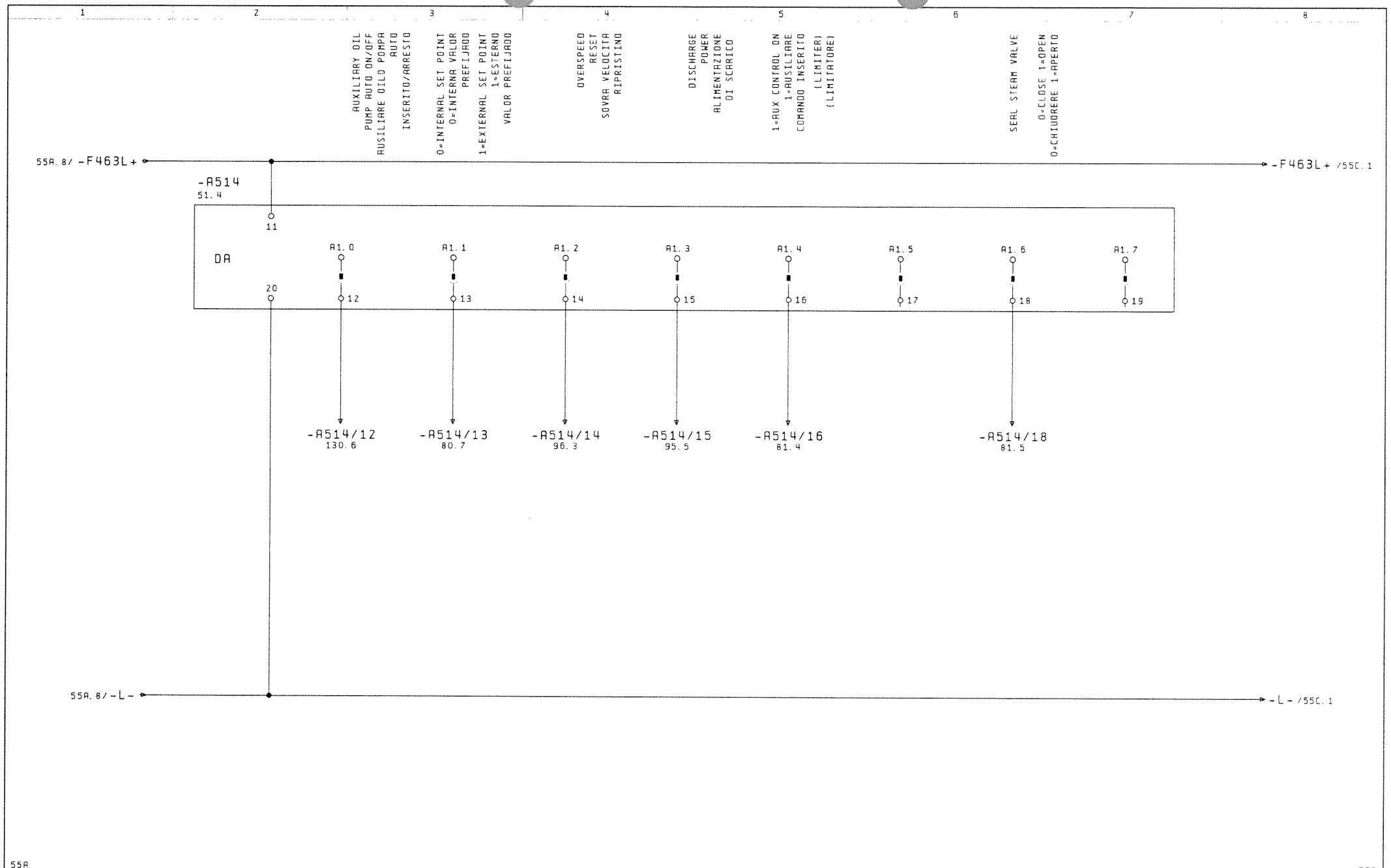
			date	30. 08. 07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	DIGITAL OUTPUTS DIGITAL USCITE	14240/067	-TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 54B 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



54B

55B

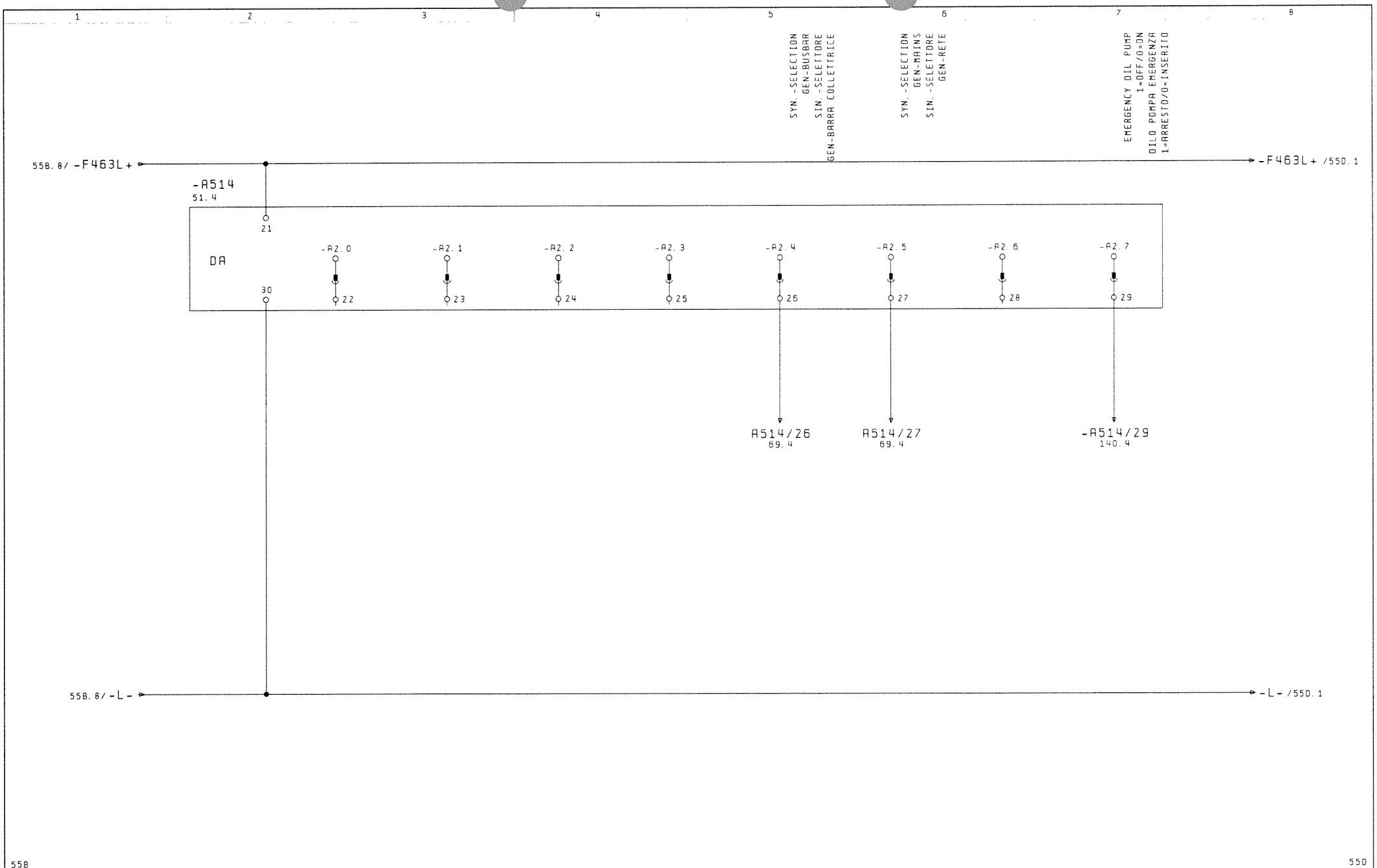
			date	23.10.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	DIGITAL OUTPUTS DIGITAL USCITE	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 55A 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



55A

55C

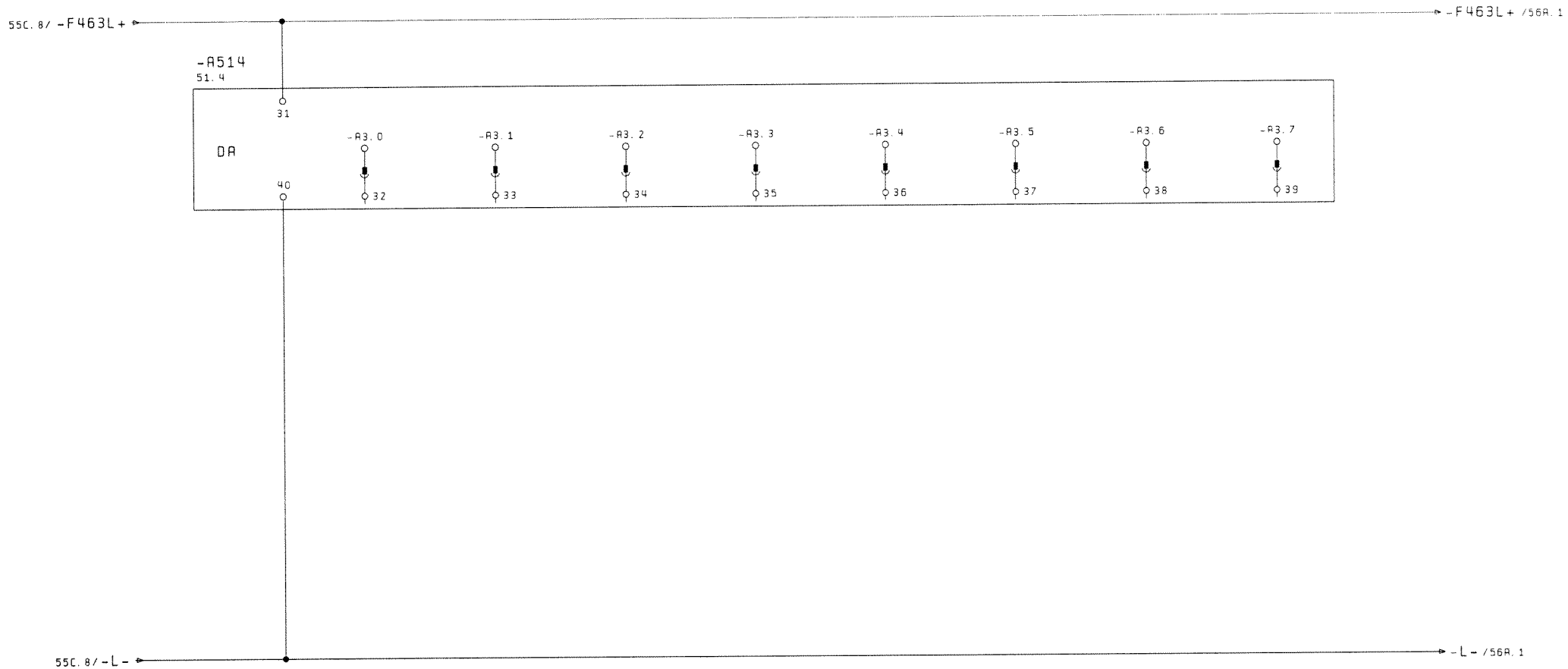
			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	DIGITAL OUTPUTS DIGITAL USCITE	14240/067	=TU +TU	
			drawn	KOL / SEL						
			check.							
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F	pg. 55B 508 pg.



55B

55D

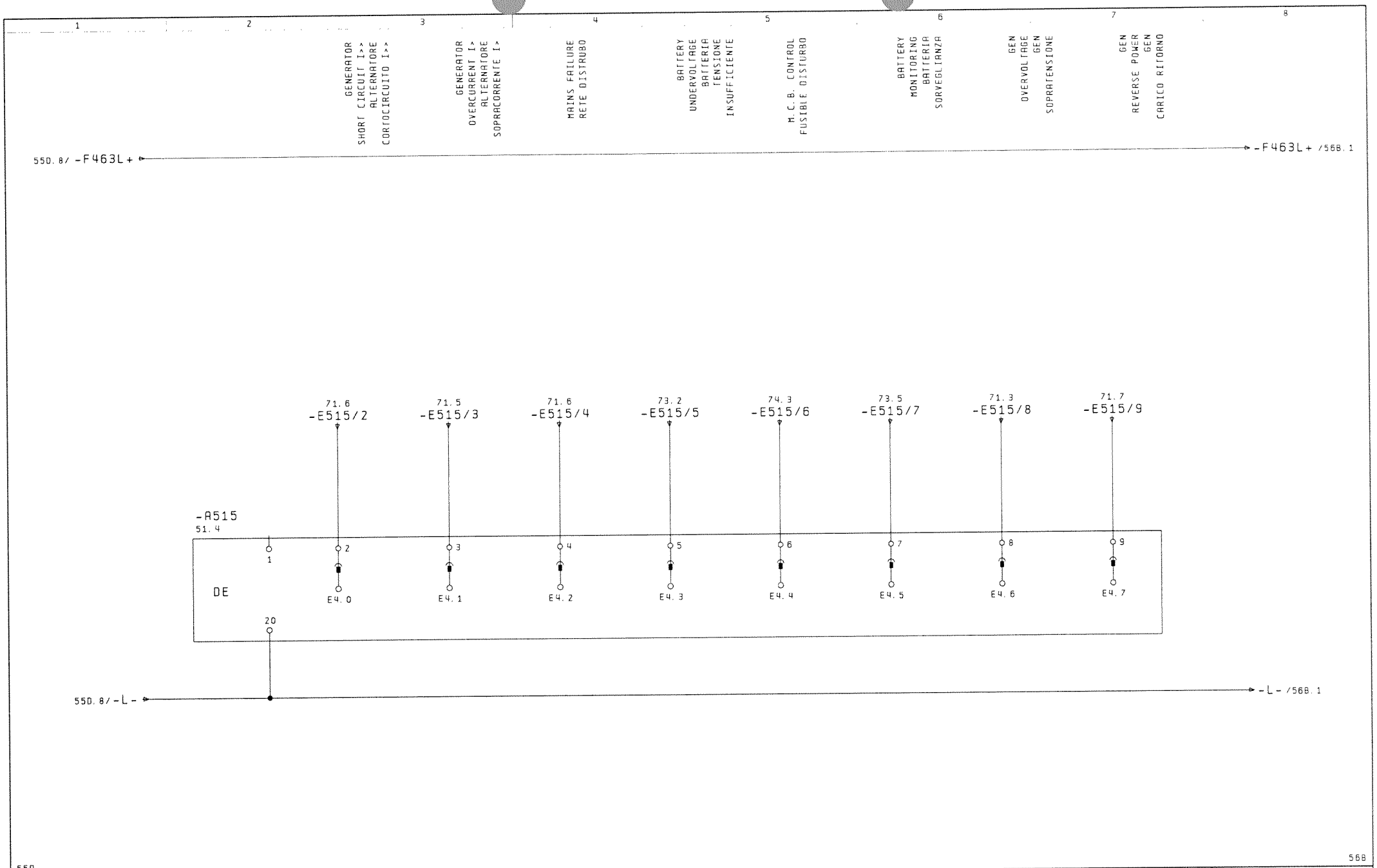
			date	08.11.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	DIGITAL OUTPUTS DIGITAL USCITE	14240/067	=TU +TU	
			drawn	KDL / SEL						
			check.					TUNPM-10626-L300F	pg. 55C	
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.	



55C

56A

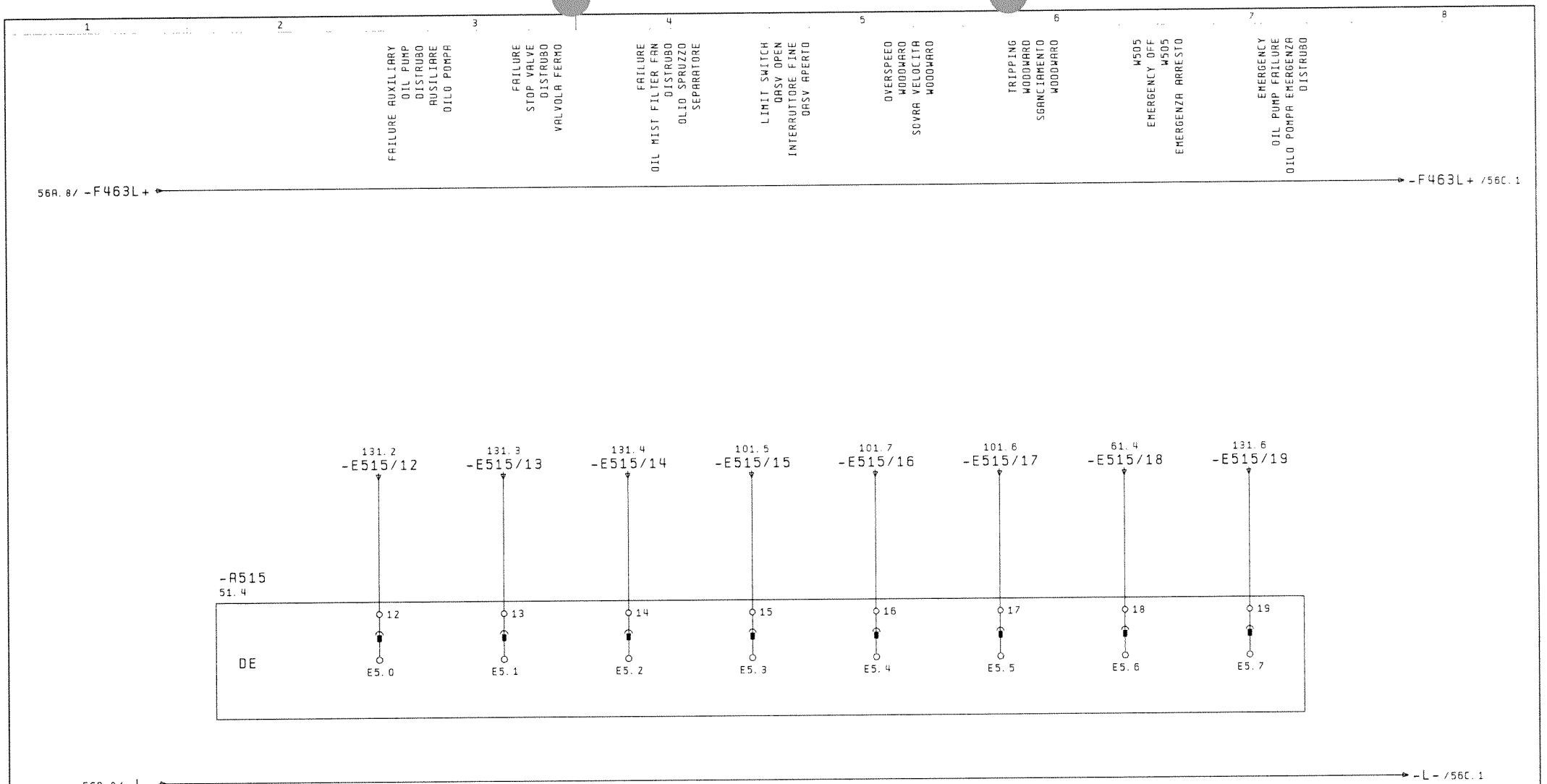
			date	30. 08. 07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	DIGITAL OUTPUTS DIGITAL USCITE	14240/067	=TU +TU	
			drawn	KOL / SEL						
			check.					TUNPM-10626-L300F	pg. 550	508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.			



550

56B

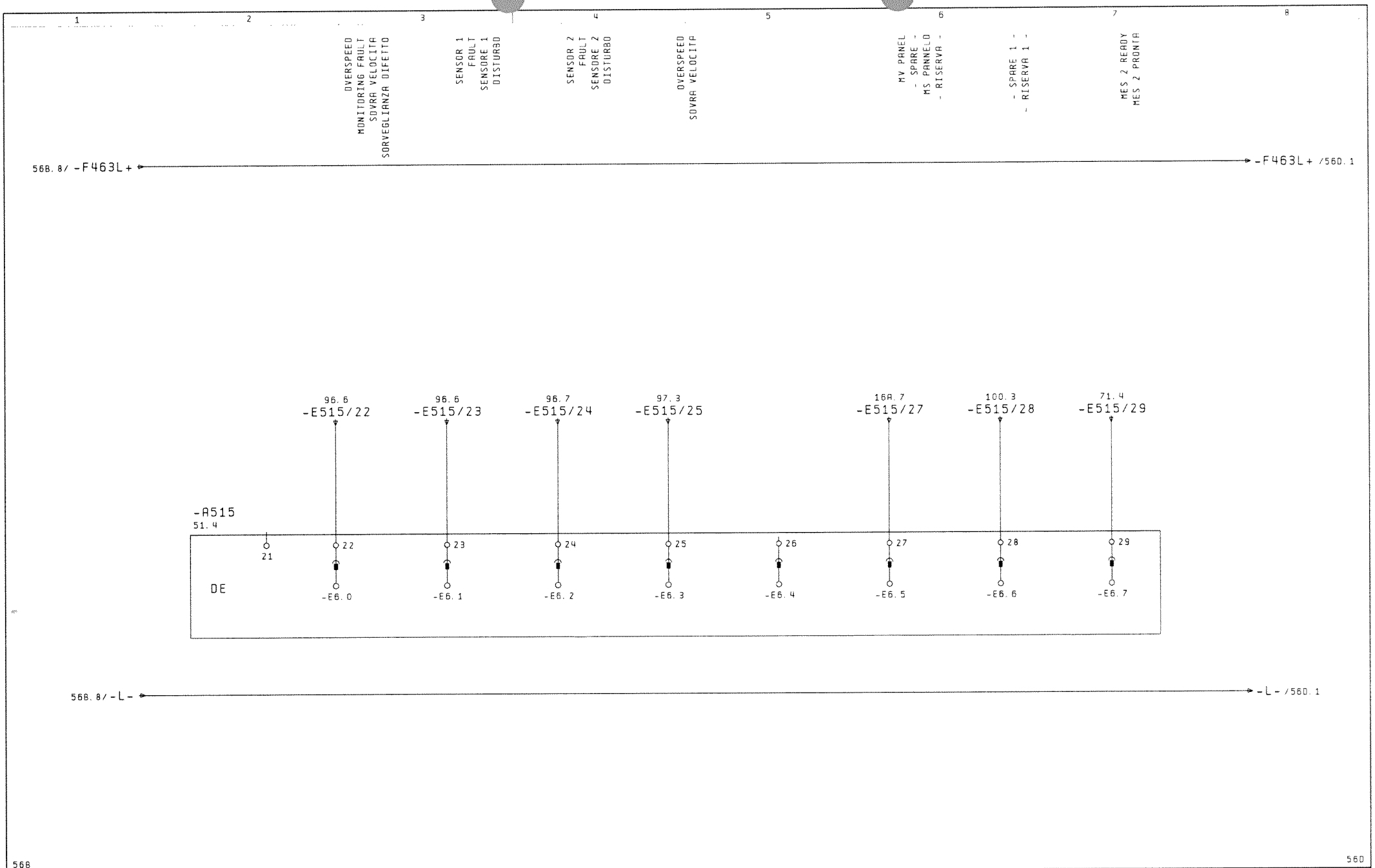
			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	DIGITAL INPUTS DIGITALE INGRESSI	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 56A
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.



56A

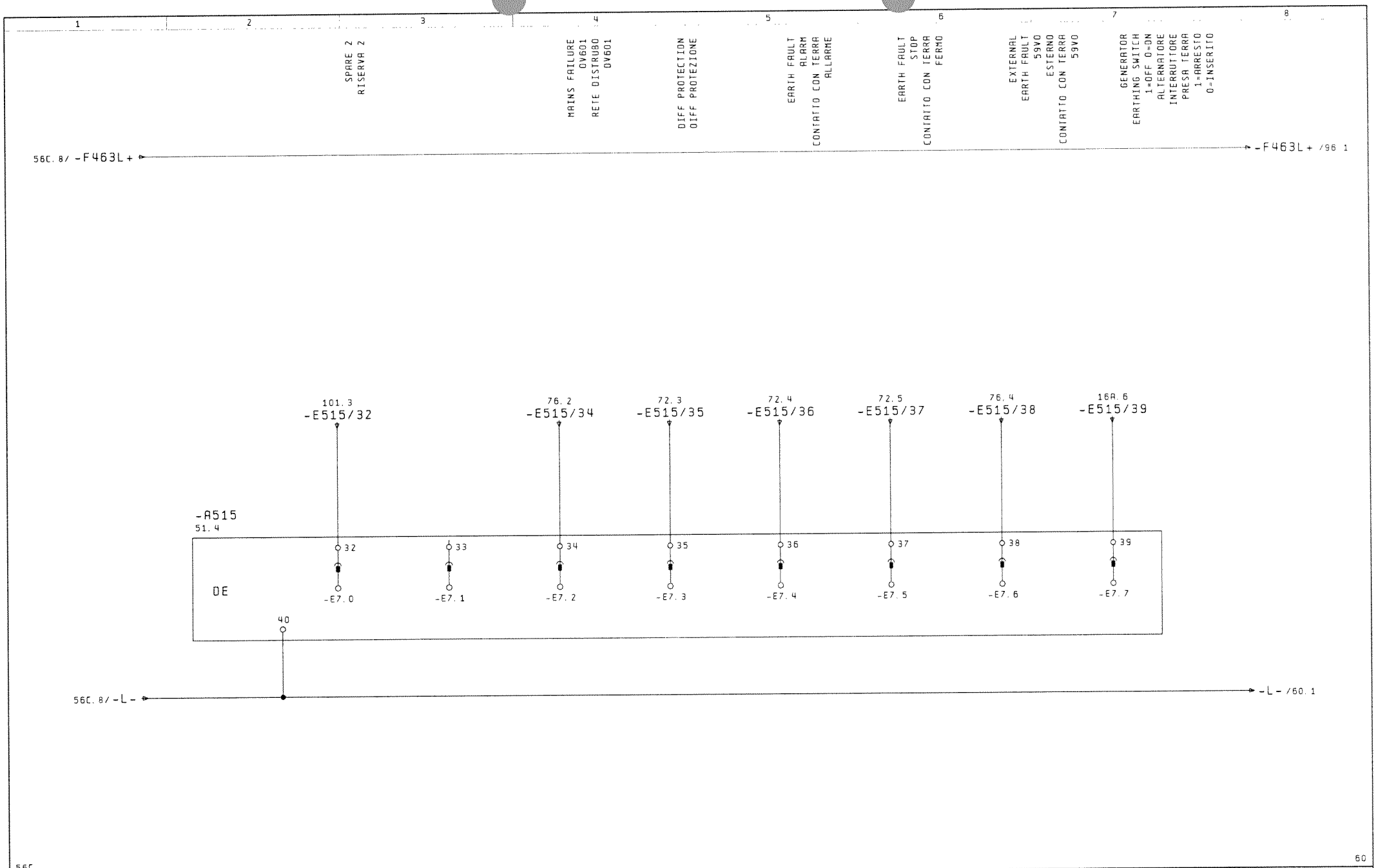
56C

			date	24. 10. 07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	DIGITAL INPUTS DIGITALE INGRESSI	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 56B
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.



568 560

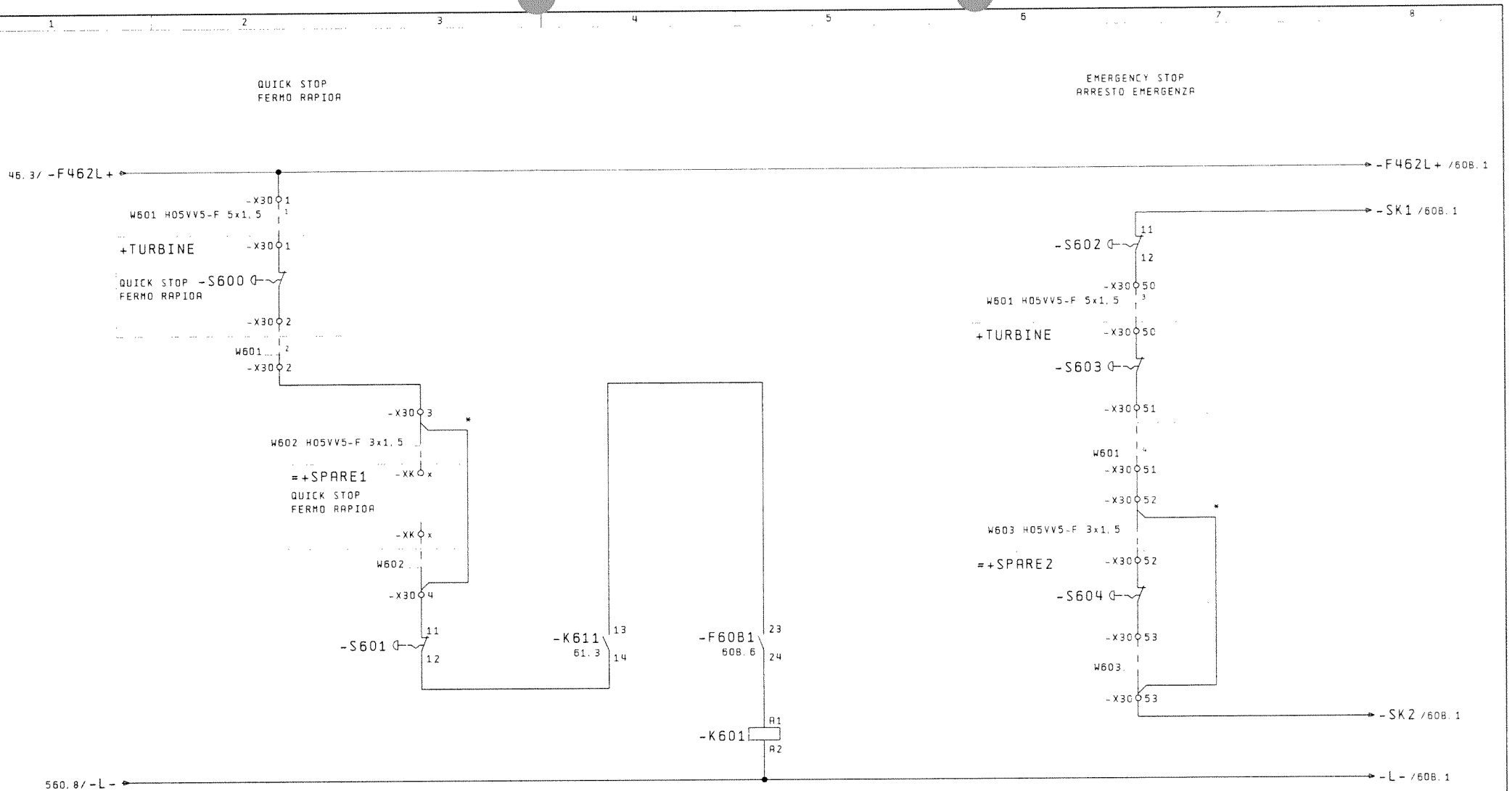
			date	13.11.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	DIGITAL INPUTS DIGITALE INGRESSI	14240/067	=TU +TU	
			drawn	KOL / SEL						
			check.						TUNPM-10626-L300F	pg. 560
modific.	date	name	stand.		origin.	sub. f.	sub.			508 pg.



56C

60

			date	03. 12. 07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONELE ENERGIE SYSTEME	DIGITAL INPUTS DIGITALE INGRESSI	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg 56D
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.

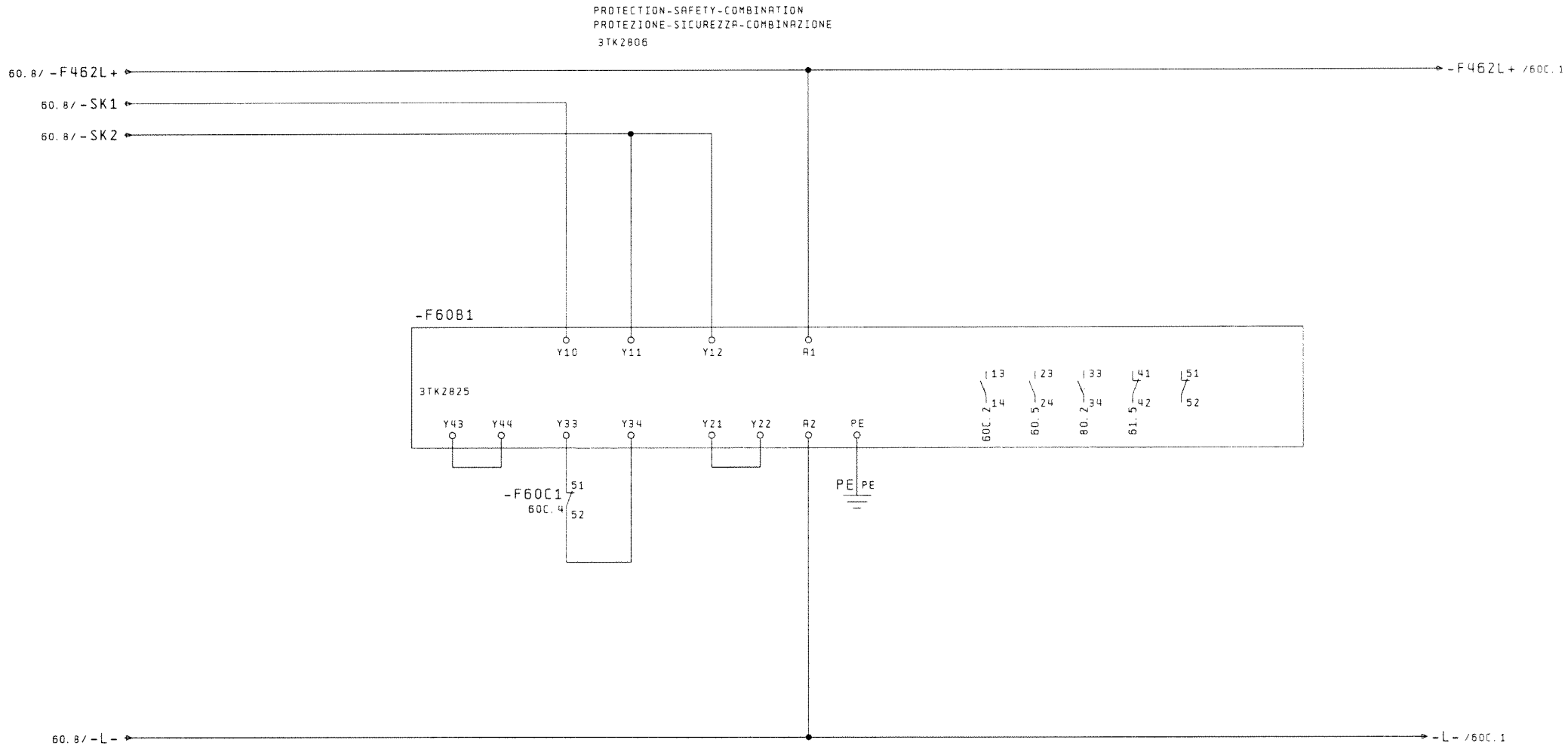


* REMOVE LINK IF USED !
RIMUOVERE IL COLLEGAMENTO SE USATO !

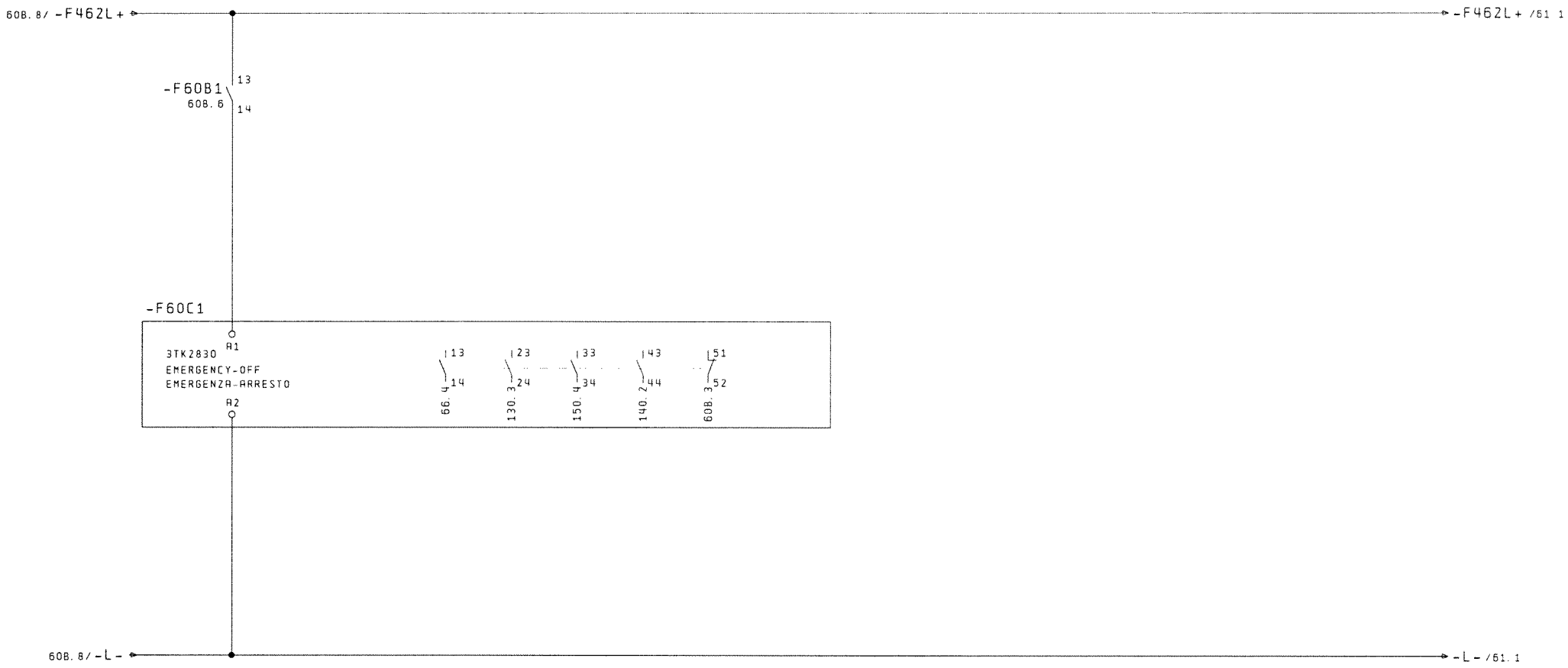
13	14	61.7
23	24	80.2
33	34	66.4
43	44	151.2
53	54	88.2
63	64	
73	74	
83	84	64.3

560 60B

			date	05.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	SAFETY LOOP CATENA SICUREZZA	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.						
modific.	date	name	stand.		origin.	sub. f.	sub.	TUNPM-10626-L300F	pg. 60 / 508 pg.



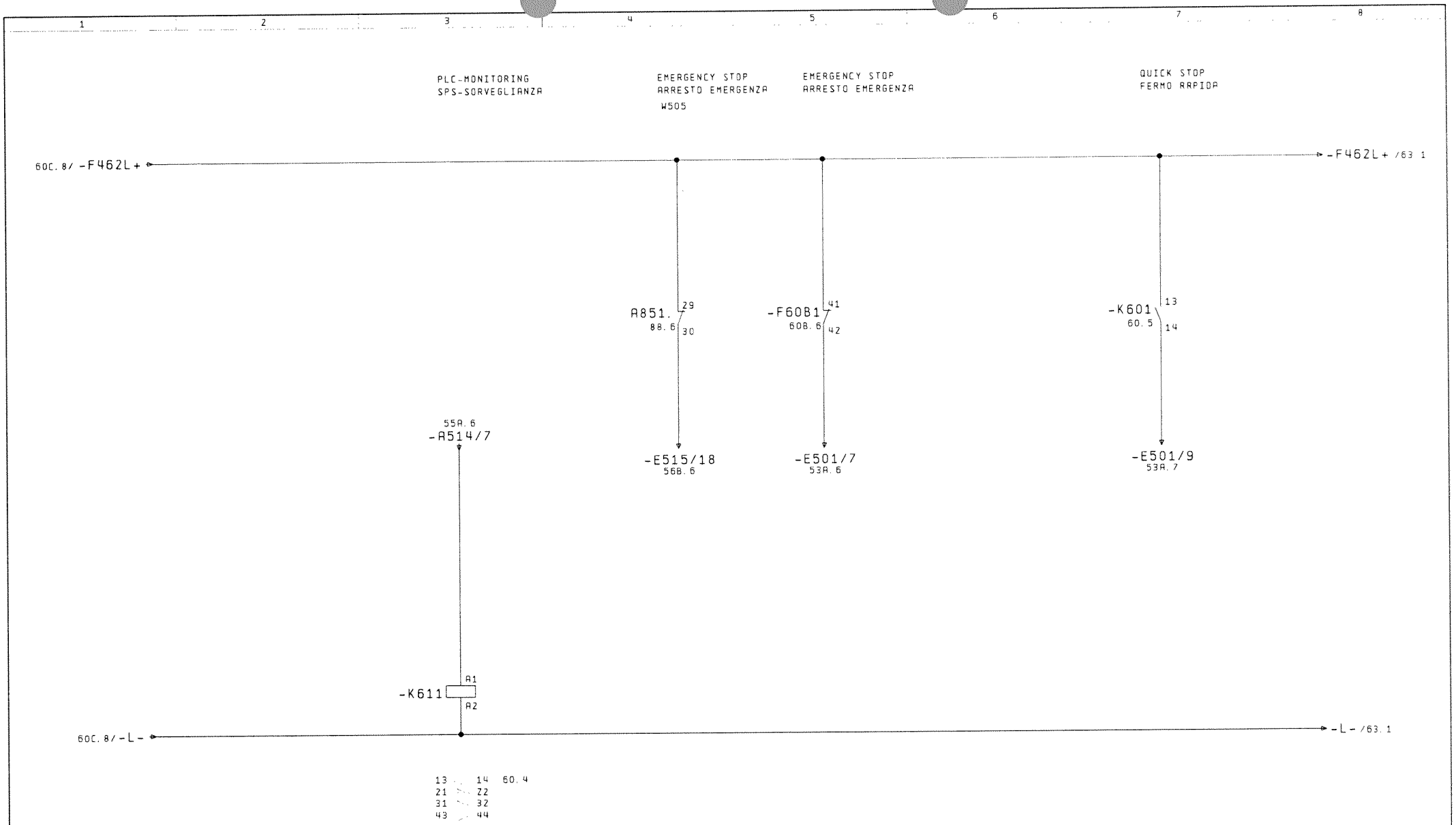
			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN		MULTIFUNKTIONALE ENERGIE SYSTEME	SAFETY LOOP EMERGENCY OFF CATENA SICUREZZA EMERGENZA ARRESTO	14240/067	=TU +TU	
			drawn	KOL / SEL							
			check.							TUNPM-10626-L300F	pg. 60B 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.				



60B

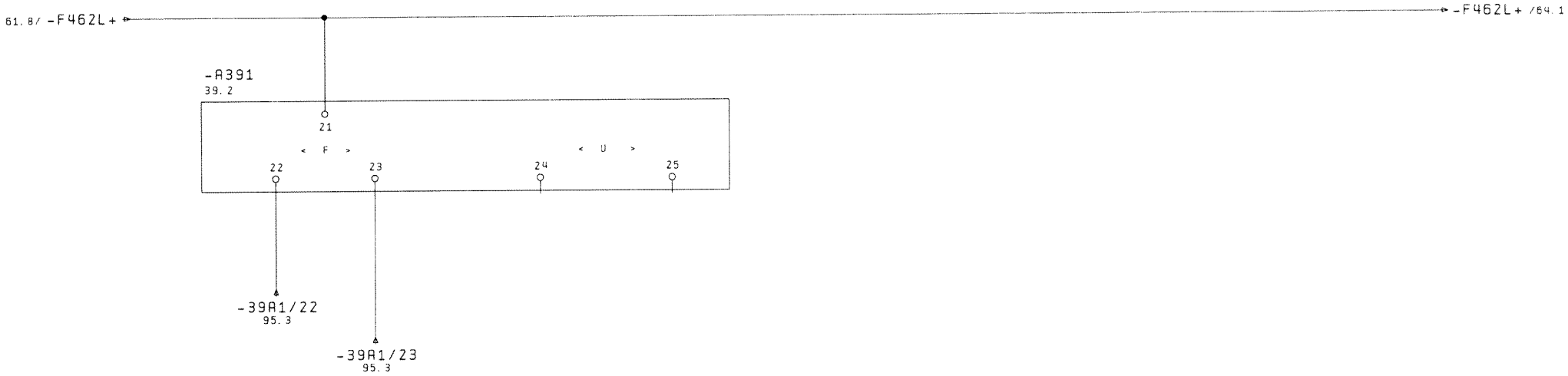
61

			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN		MULTIFUNKTIONALE ENERGIE SYSTEME	SAFETY LOOP EMERGENCY OFF CATENA SICUREZZA EMERGENZA ARRESTO	14240/067	=TU	
			drawn	KOL / SEL						+TU	
			check.								
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F	pg. 60C	508 pg.



			date	05.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN		MULTIFUNKTIONELE ENERGIE SYSTEME	SAFETY LOOP CATENA SICUREZZA	14240/067	=TU +TU	
			drawn	KOL / SEL							
			check.						TUNPM-10626-L300F	pg. 61	
modific.	date	name	stand.		origin.	sub. f.	sub.			508 pg	

CONTROL SYNCHRONIZING
COMANDO SINCRONISMO



61 64

			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	CONTROL SYNCHRONIZING COMANDO SINCRONISMO	14240/067	-TU +TU		
			drawn	KOL / SEL							
			check.						TUNPM-10626-L300F	pg. 63	
modific.	date	name	stand.		origin.	sub. f.	sub.			508 pg.	

GEN EXCITATION
GEN ECCITAZIONE

PARALLEL OPERATION
FUNZIONAMENTO PARALLELO

63.8/ -F462L+ → -F462L+ /65.1

55A.2
-A514/2

548.6
-A501/38

-K601
60.5
83
84

-K641 A1 A2

-K642 A1 A2

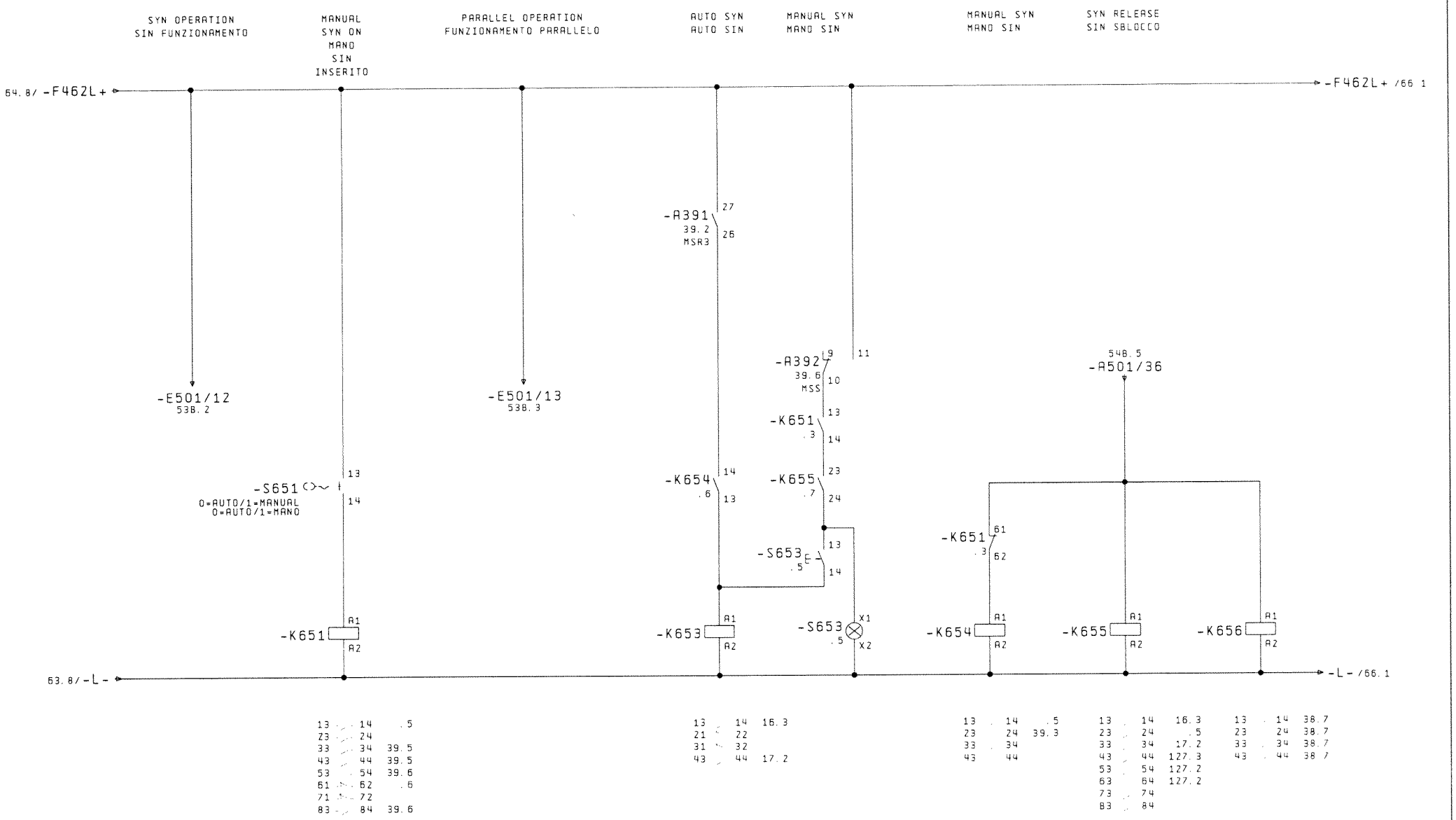
-K643 A1 A2

-L- -L-

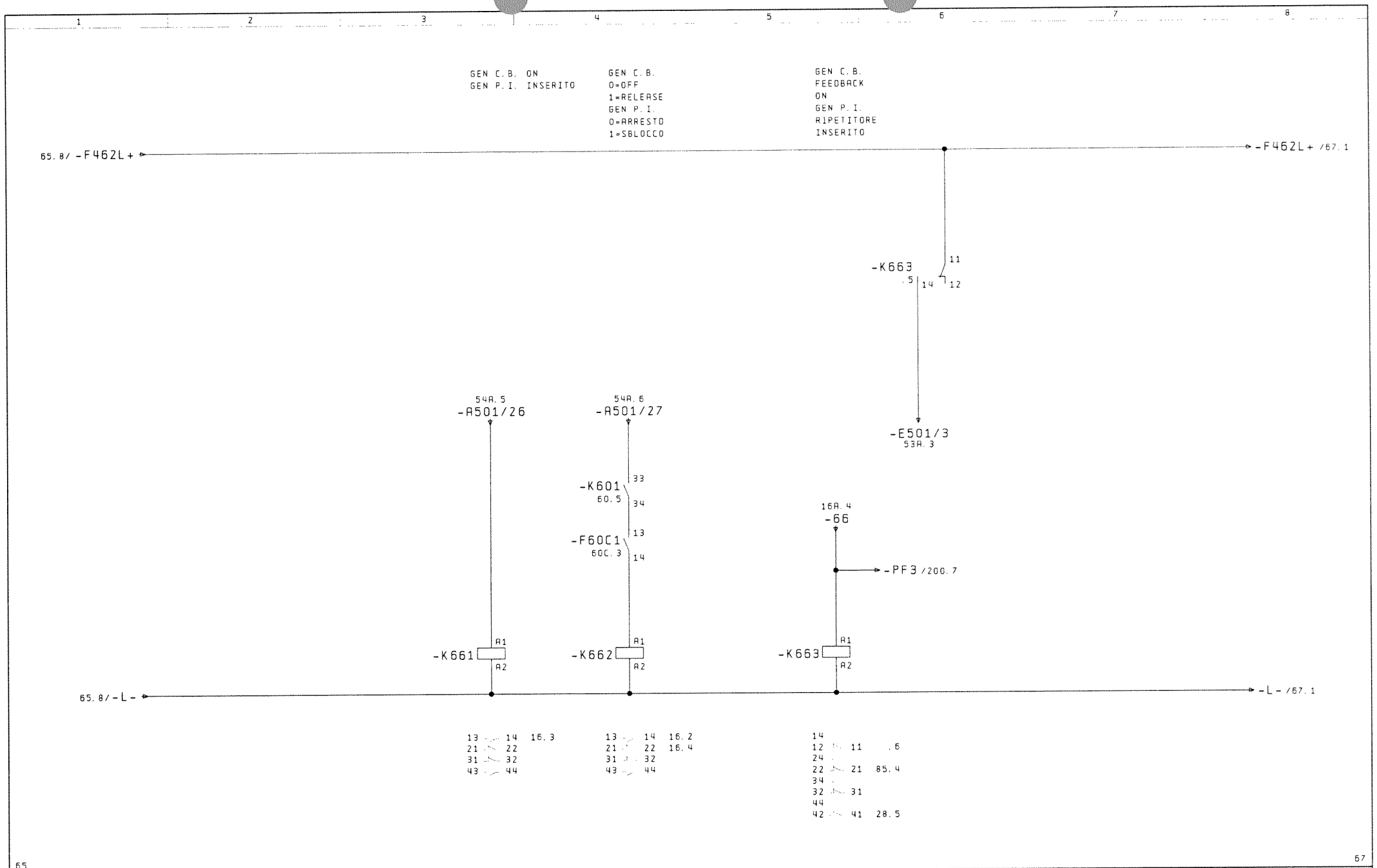
13	14	128.4	13	14	16.5	14	
21	22		21	22		12	11 128.3
33	34		31	32		24	
43	44	128.5	43	44	17.4	22	21

63 65

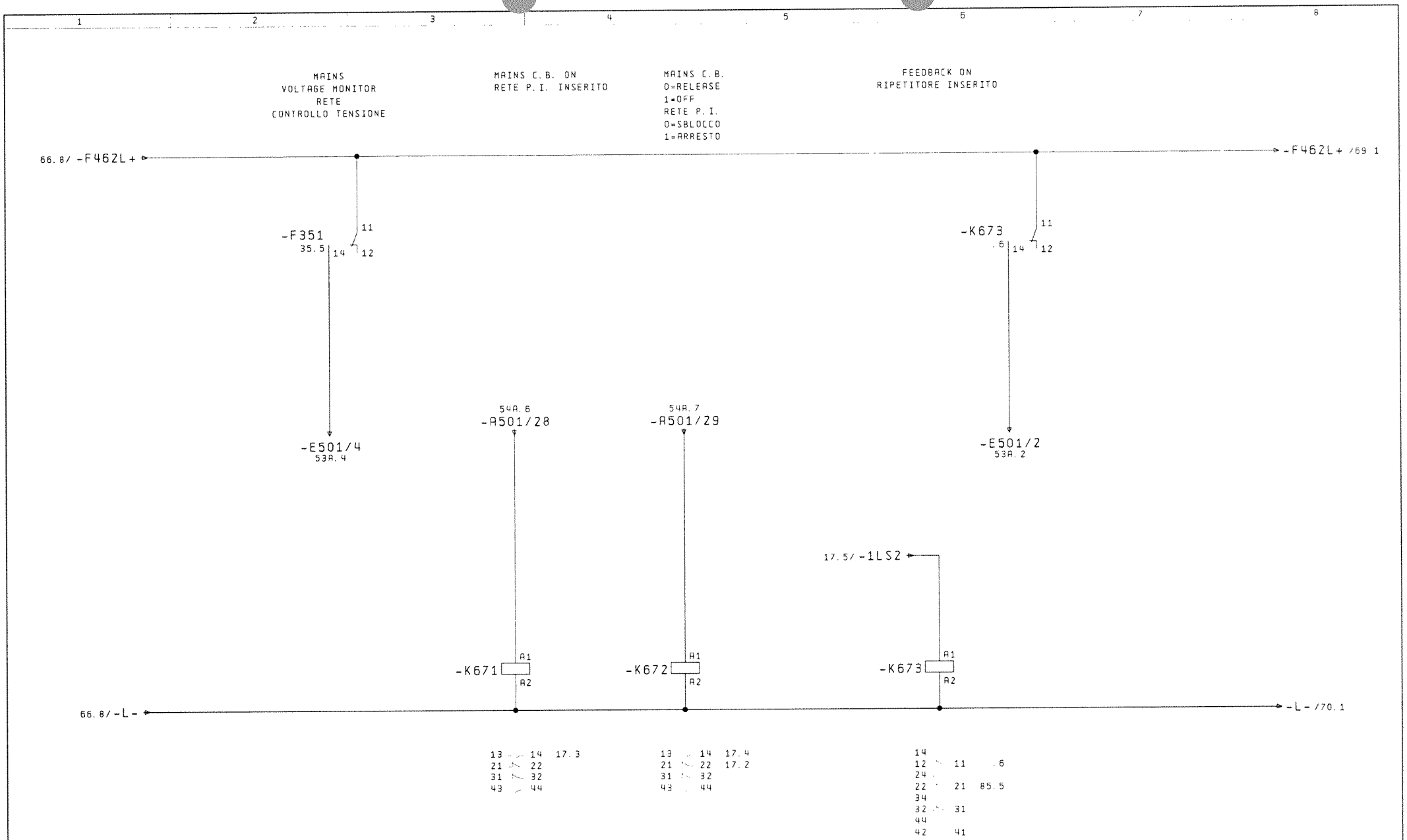
			date	05.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	CONTROL COMANDO	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.					TUNPM-10626-L300F	pg. 64 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



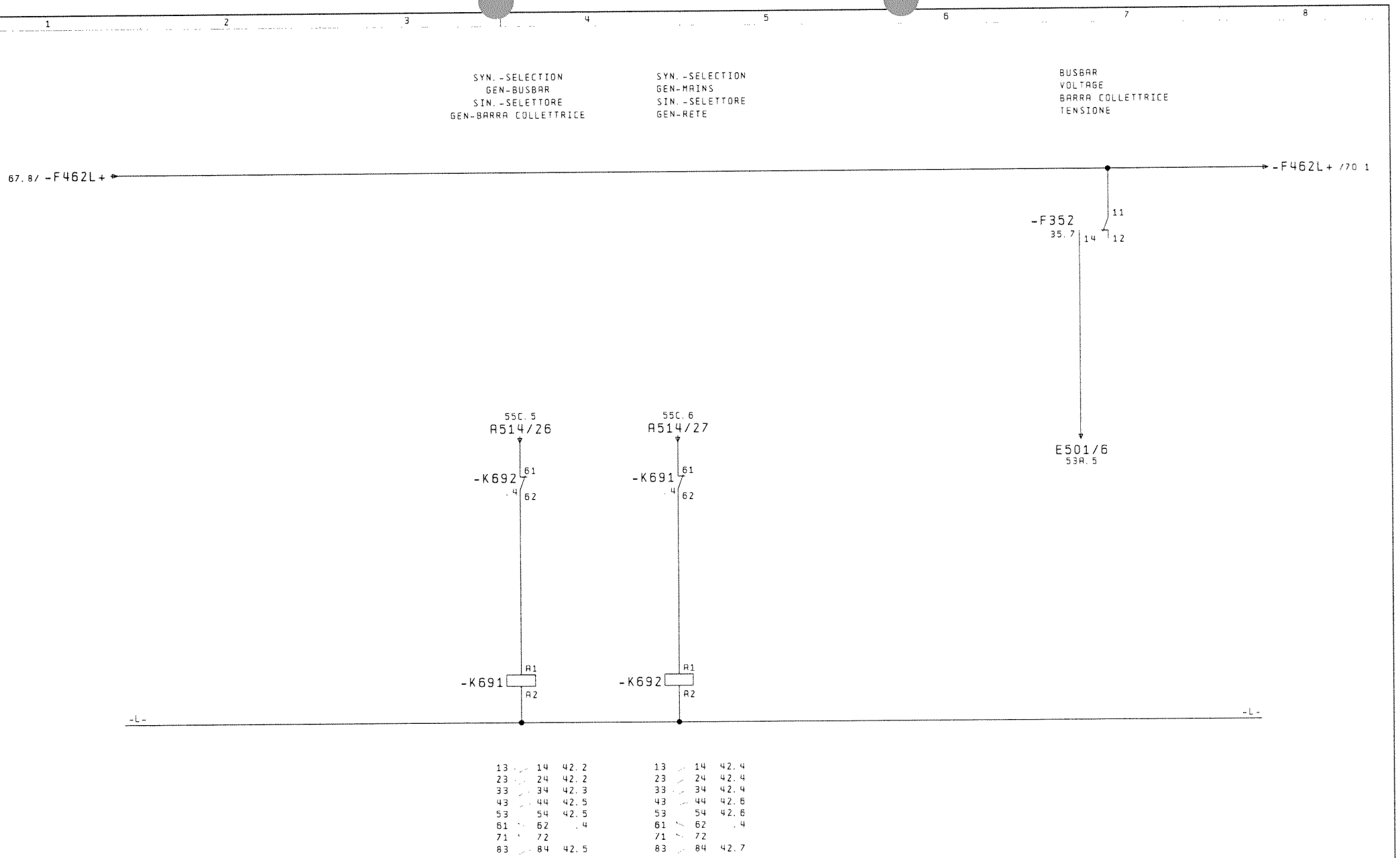
			date	05.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONELE ENERGIE SYSTEME	CONTROL COMANDO	14240/067	=TU +TU		
			drawn	KOL / SEL							
			check.					TUNPM-10626-L300F		pg. 65	
modific.	date	name	stand.		origin.	sub. f.	sub.			508 pg.	



			date	05.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	C.B. CONTROL GENERATOR P.I. COMANDO ALTERNATORE	14240/067	=TU +TU		
			drawn	KOL / SEL							
			check.							TUNPM-10626-L300F	pg. 66
modific.	date	name	stand.		origin.	sub. f.	sub.				508 pg.

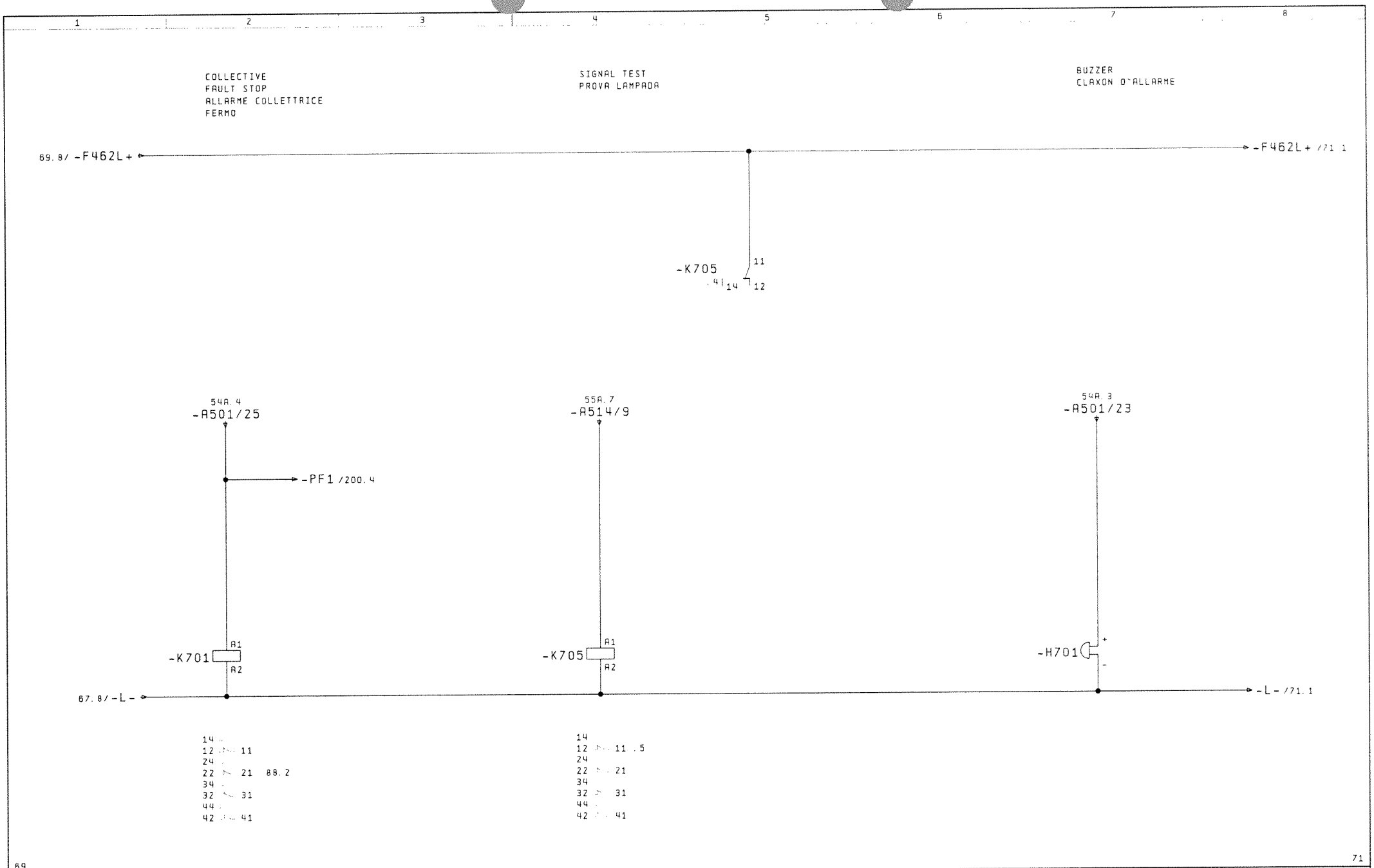


			date	05.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	MAINS CONTROL RETE COMANDO	14240/067	=TU +TU	
			drawn	KOL / SEL						
			check.						TUNPM-10626-L300F	pg. 67 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.			



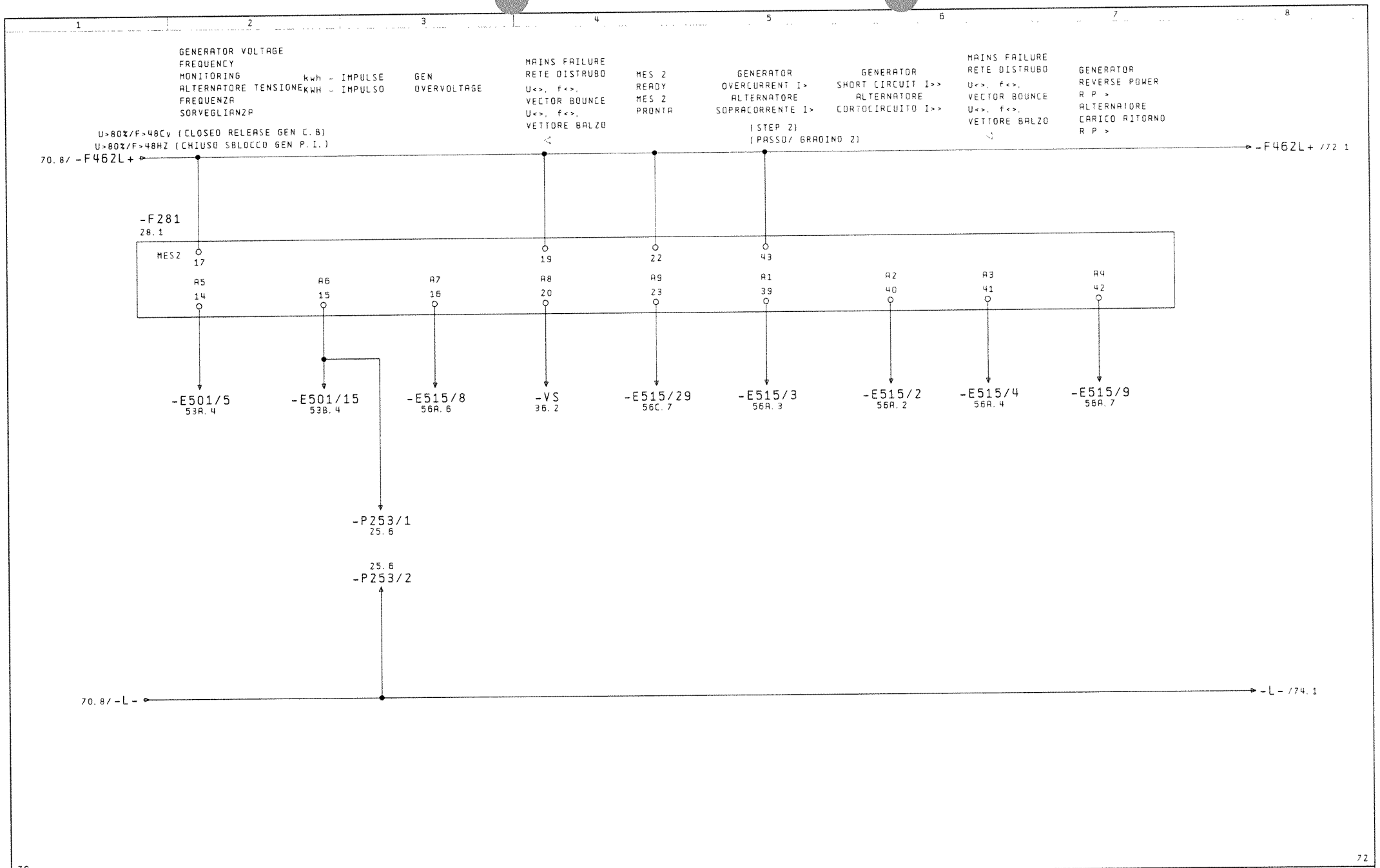
67 70

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	SYN SELECTION SIN SELEZIONE	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.					TUNPM-10626-L300F	pg. 69 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



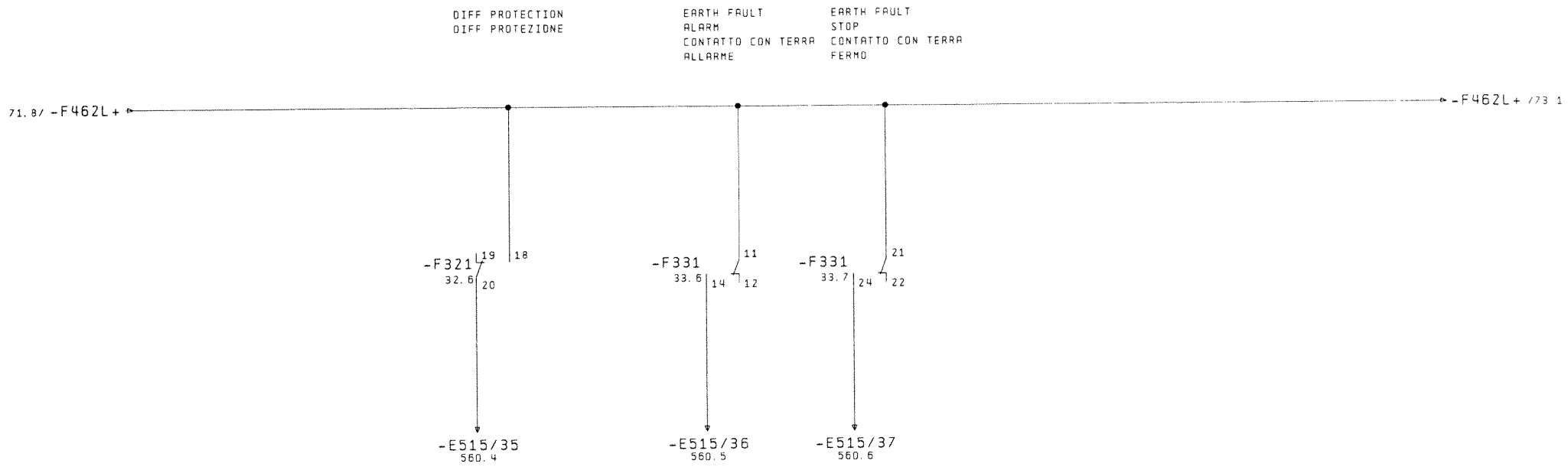
69 71

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	CONTROL COMANDO	14240/067	=TU +TU	
			drawn	KOL / SEL						
			check.					TUNPM-10626-L300F	pg. 70	
modific.	date	name	stand.		origin.	sub. f.	sub.			508 pg.



70 72

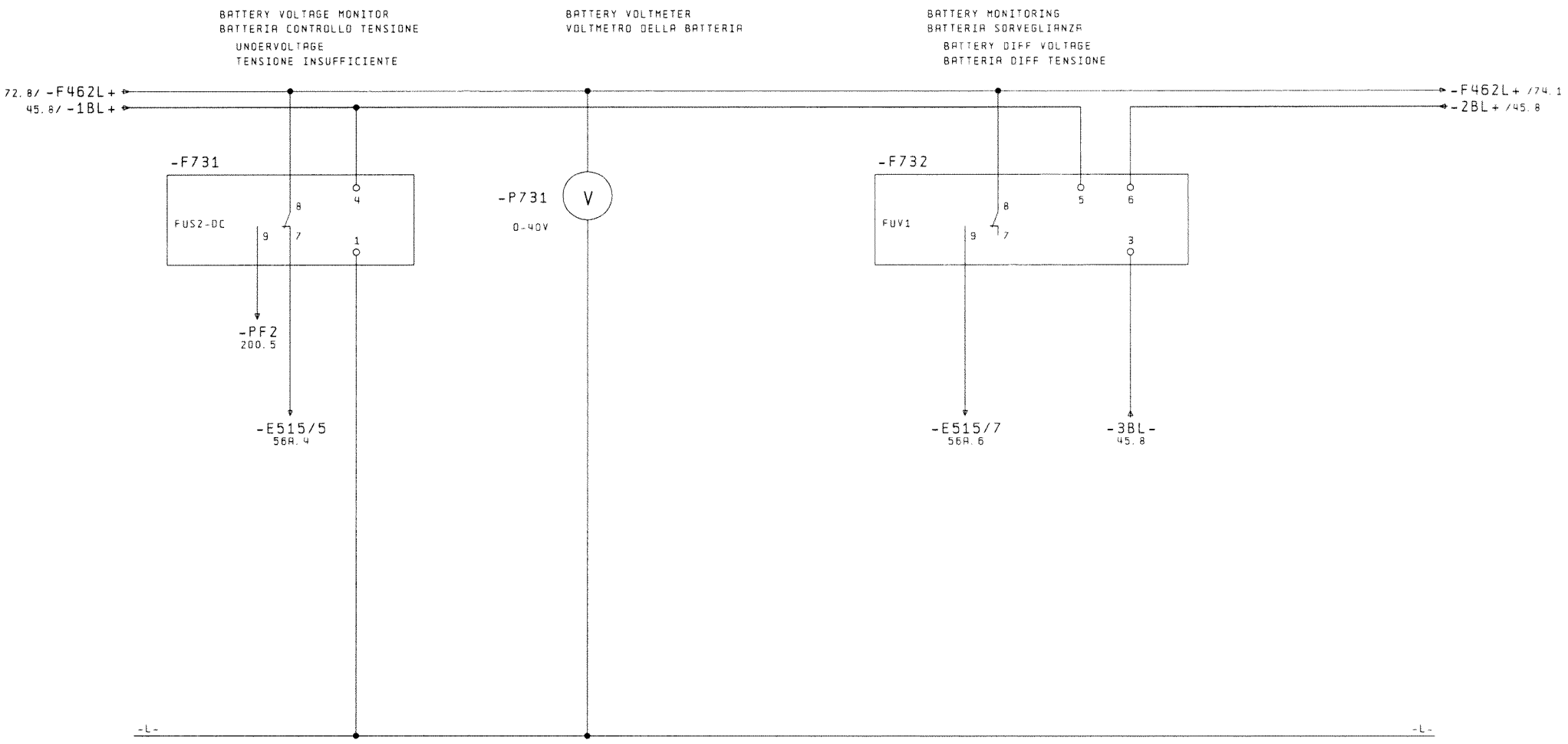
			date	23.10.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	GENERATOR MONITORING ALTERNATORE SORVEGLIANZA	14240/067	=TU +TU	
			drawn	KOL / SEL						
			check.					TUNPM-10626-L300F	pg. 71	
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.	



71

73

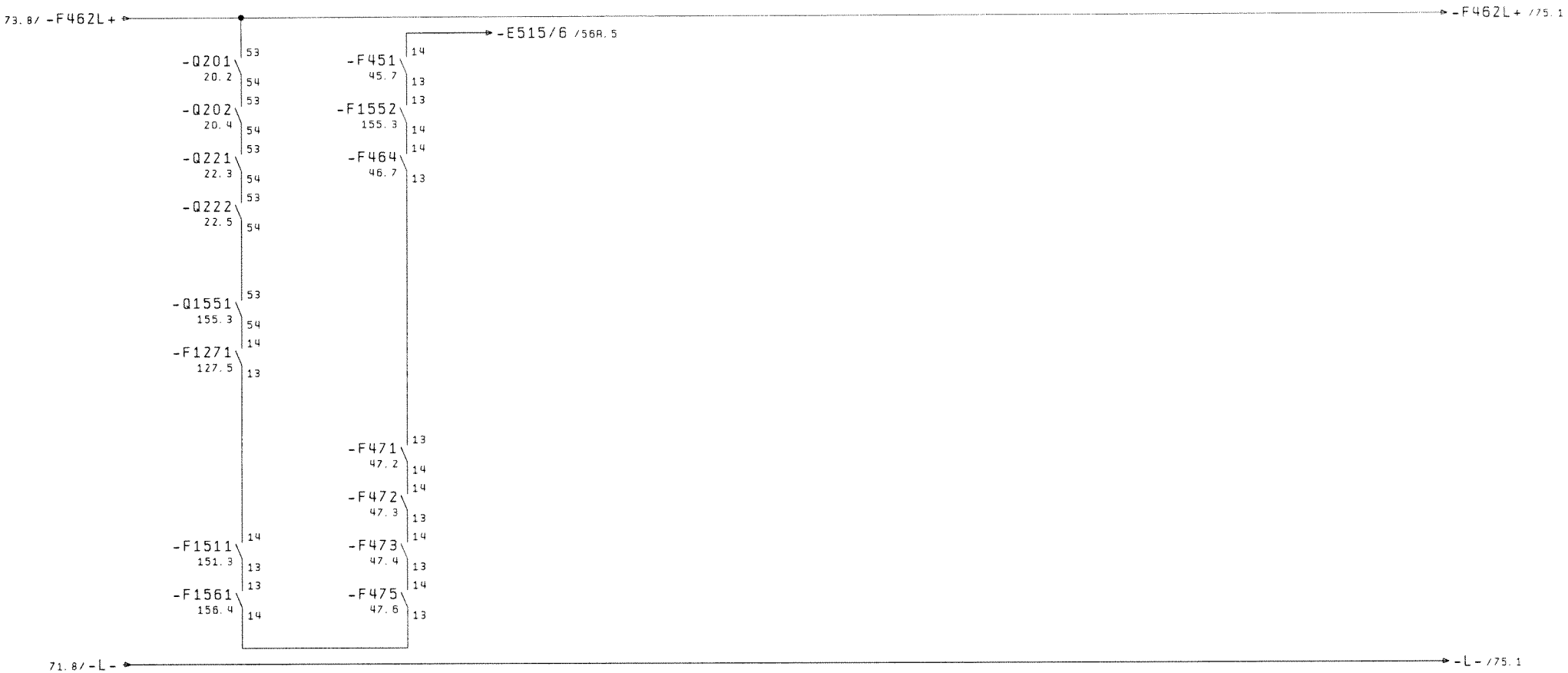
			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	COMMON FAULT GENERATOR SEGNALE DISTURBATORE ALTERNATORE	14240/067	=TU		
			drawn	KDL / SEL					+TU		
			check.							pg.	72
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F		508 pg.



72 74

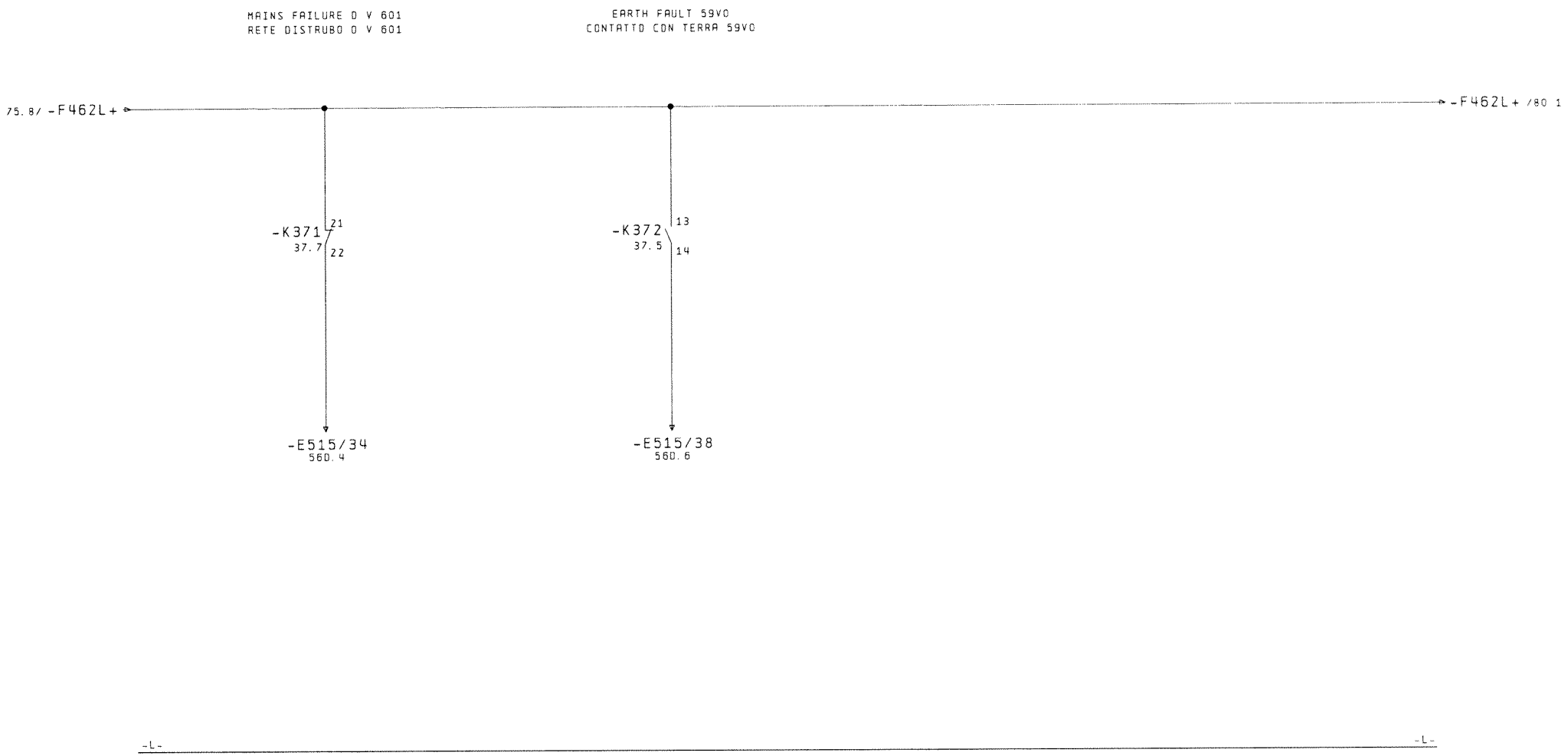
			date	23.10.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	COMMON FAULT SEGNALE DISTURBATORE	14240/067	=TU +TU		
			drawn	KOL / SEP							
			check.							TUNPM-10626-L300F	pg. 73
modific.	date	name	stand.		origin.	sub. f.	sub.				508 pg.

M.C.B. CONTROL
FUSIBLE DISTURBO



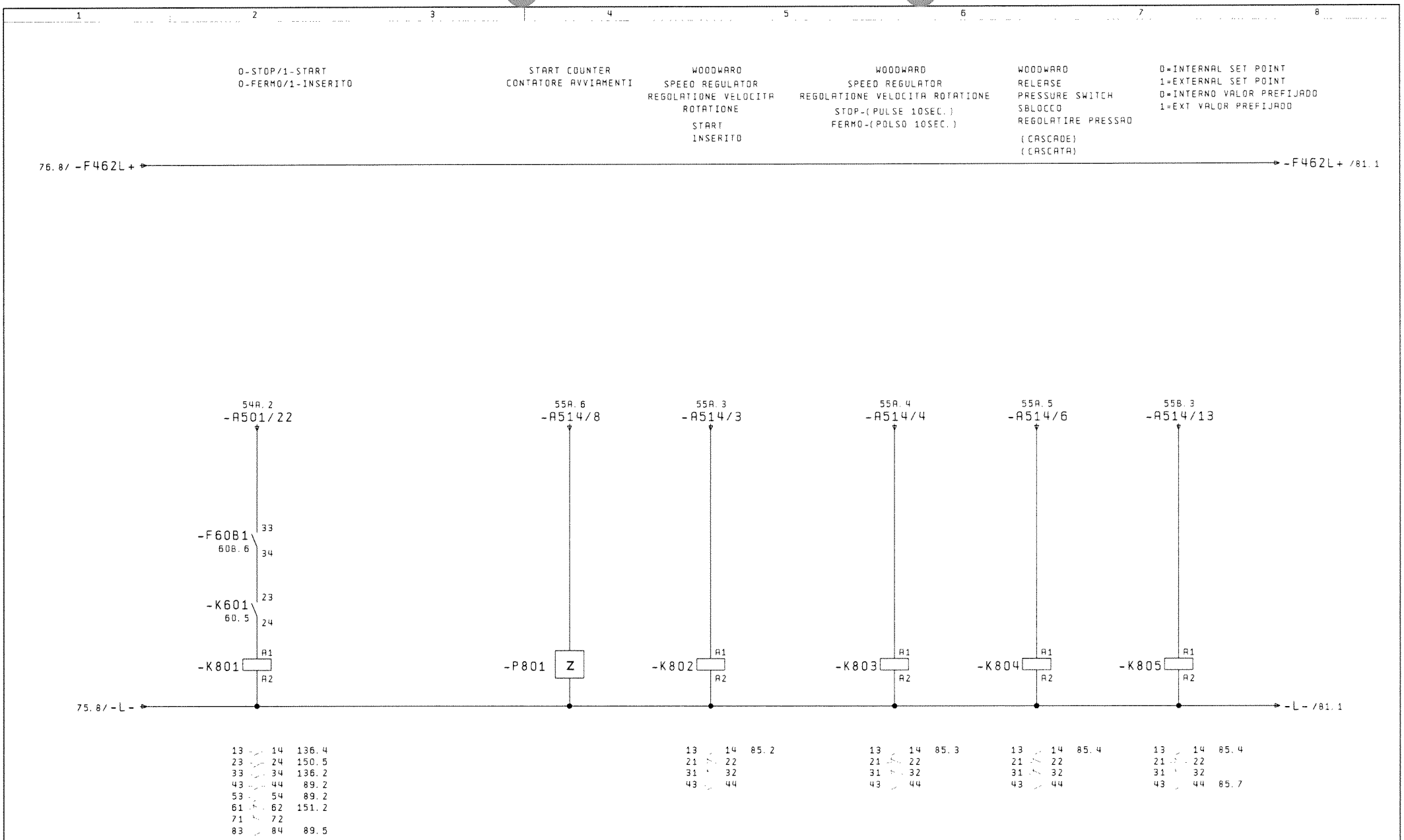
			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	COMMON FAULT SEGNALE DISTURBATORE	14240/067	-TU +TU	
			drawn	KDL / SEL						
			check.					TUNPM-10626-L300F	pg. 74	
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.	

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	REMOTE CONTROL COMANDO ADISTANZA	14240/067	=TU +TU		
			drawn	KOL / SEL							
			check.							TUNPM-10626-L300F	pg. 75 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.				



75 80

			date	05.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN		MULTIFUNKTIONALE ENERGIE SYSTEME	COMMON FAULT SEGNALE DISTURBATORE	14240/067	=TU +TU	
			drawn	KOL / SEL							
			check.						TUNPM-10626-L300F		pg. 76
modific.	date	name	stand.		origin.	sub. f.	sub.				508 pg.



			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	CONTROL START-STOP COMANDO INSERITO-FERMO	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 80
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.

RESET WOODWARD
SPEED REGISTRATION
RIPRISTINO WOODWARD
NUMERO GIRI REGISTRAZIONE

0=AUX CONTROL OFF
1=AUX CONTROL ON
0=AUSILIARE COMANDO ARRESTO
1=AUSILIARE COMANDO INSERITO

POWER LIMITER
POTENZA LIMITATORE

SEAL STEAM VALVE

0=CLOSE
1=OPEN
0=CHIUDERE
1=APERTO

80.8/ -F462L+ → -F462L+ /87.1

558.4
-A514/5

558.5
-A514/16

558.6
-A514/18

-K812 (A1, A2)

-K813 (A1, A2)

-K814 (A1, A2)

80.8/ -L- → -L- /85.1

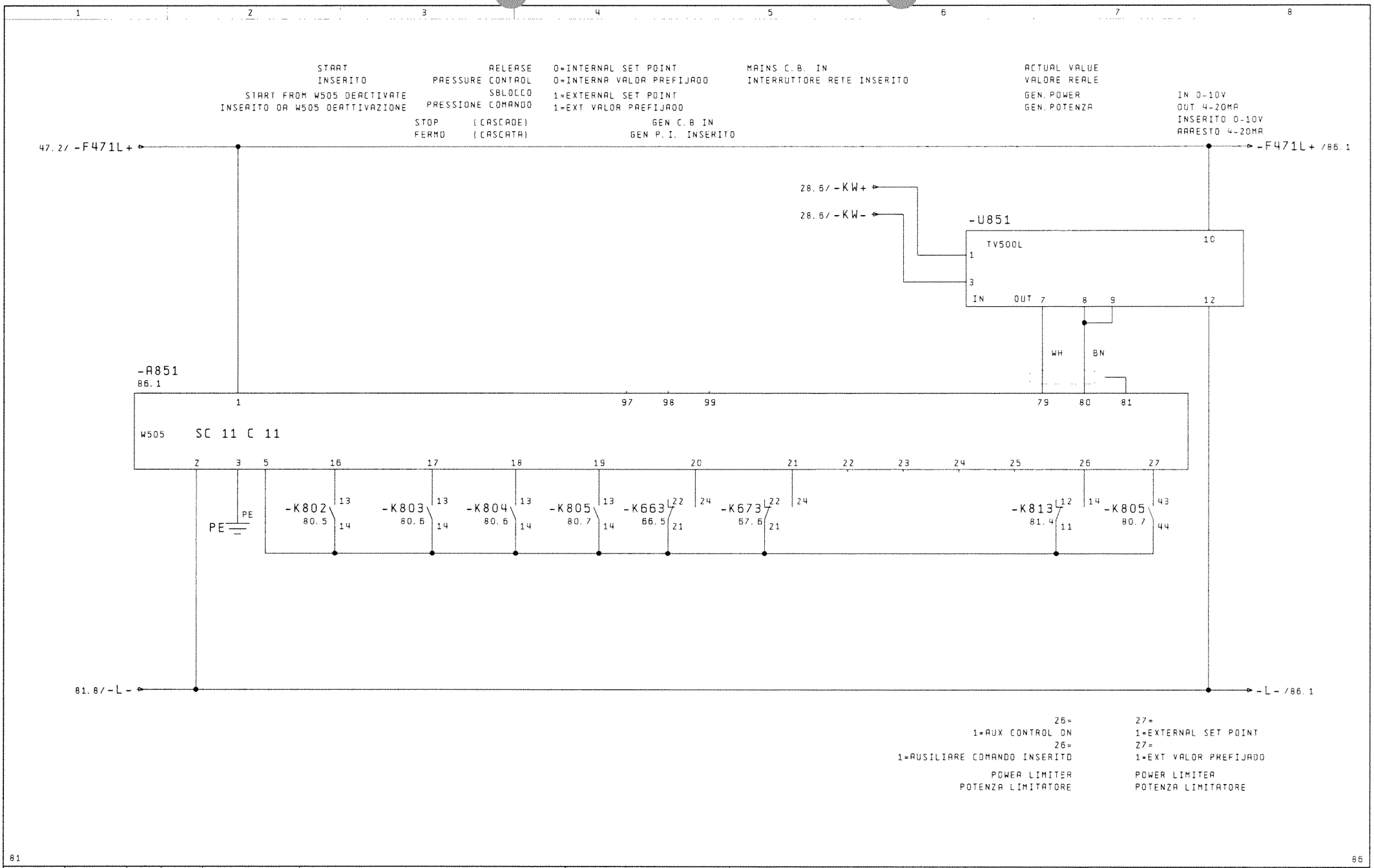
14			
12	11	88.3	
24			
22	21	88.3	
34			
32	31		
44			
42	41		

14			
12	11	85.7	
24			
22	21		

14			
12	11	136.5	
24			
22	21		

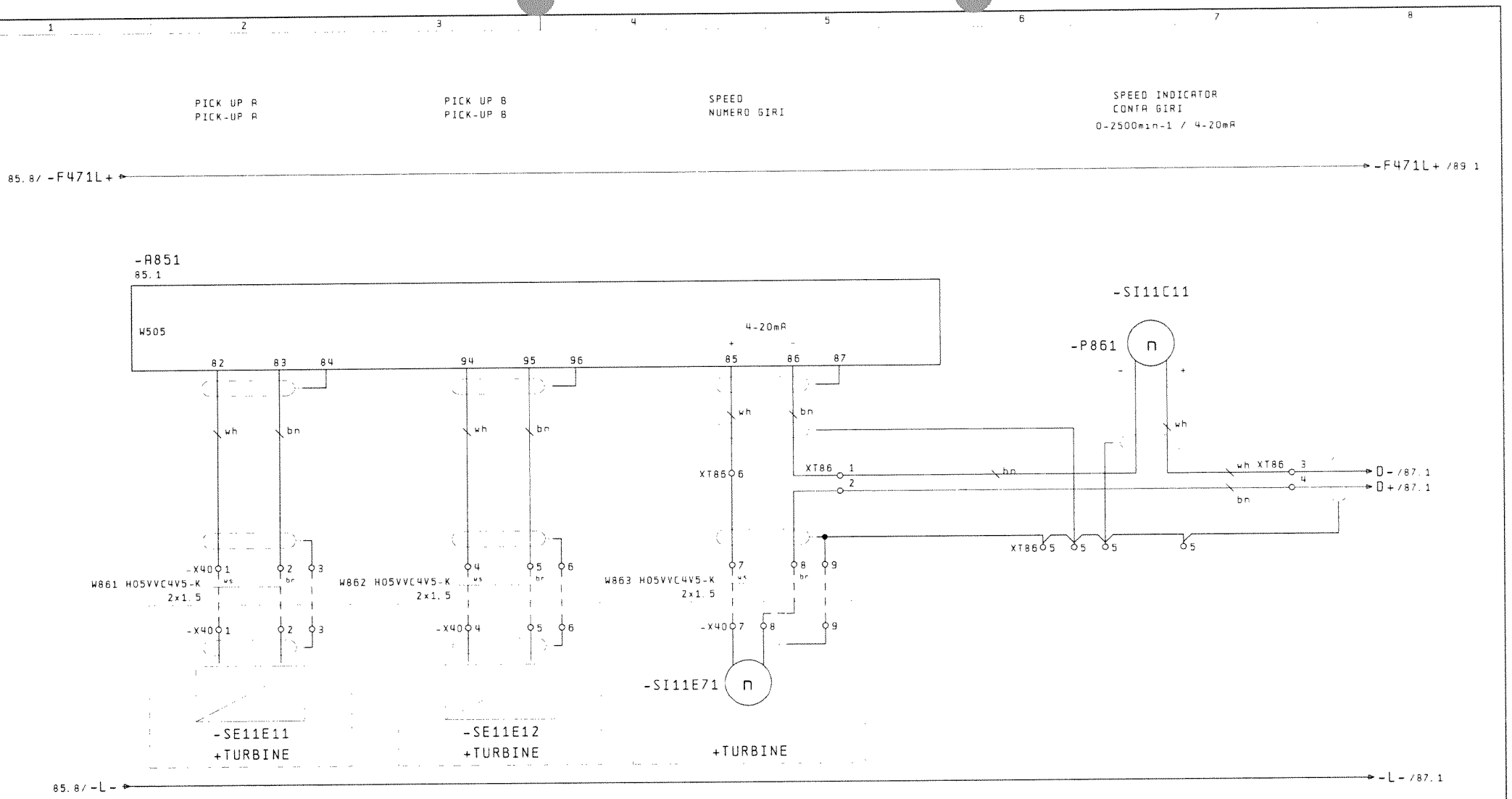
80 85

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	TURBINE CONTROL CONTROLLO TURBINA	14240/067	-TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 81
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.



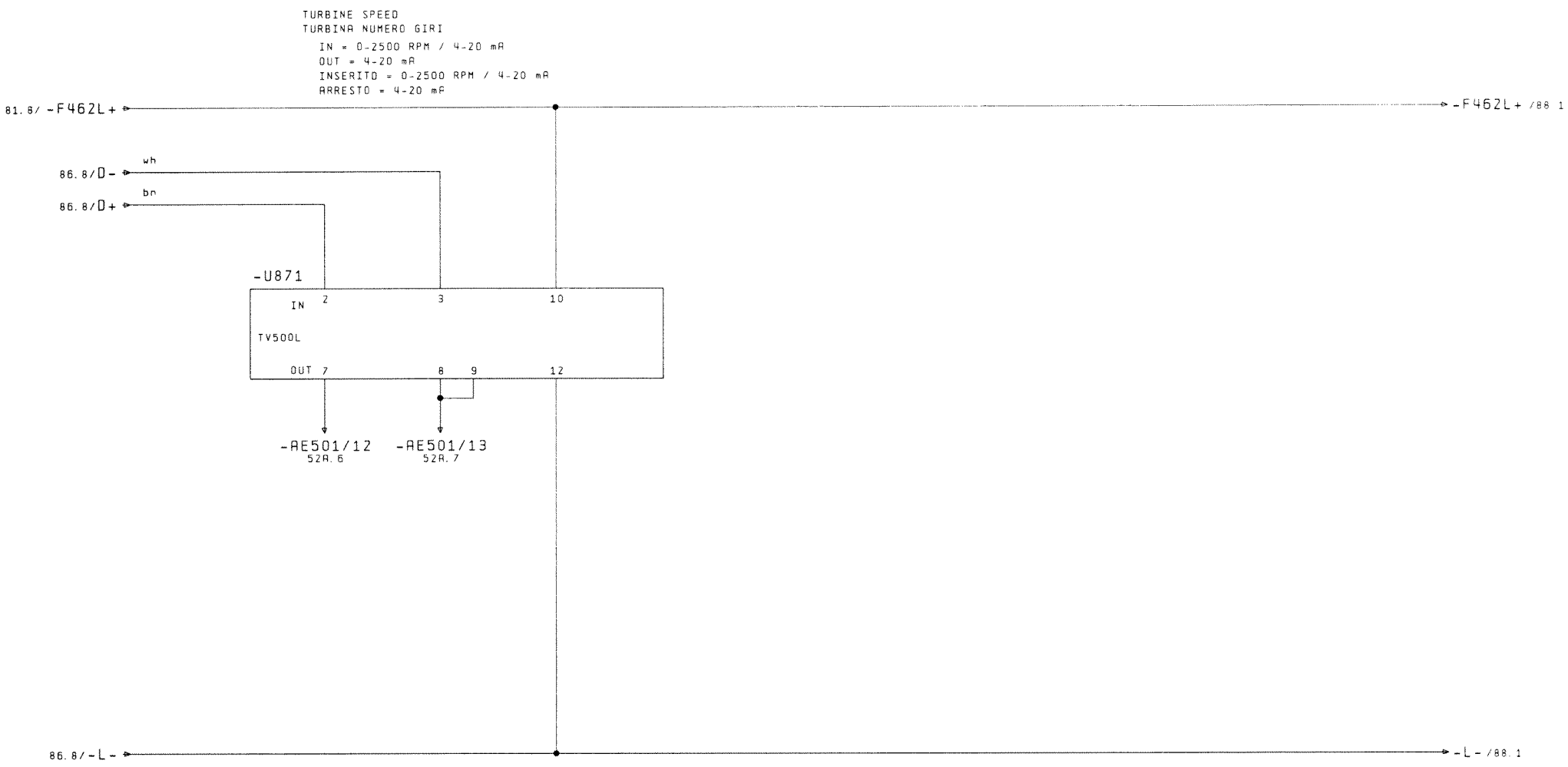
81 86

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	TURBINE CONTROL W505 CONTROLLO TURBINA W505	14240/067	=TU +TU
			drawn	KDL / SEL					
			check.					TUNPM-10626-L300F	pg 85 / 508 pg.
modific.	date	name	stand.		origin.	sub. f	sub.		



85 87

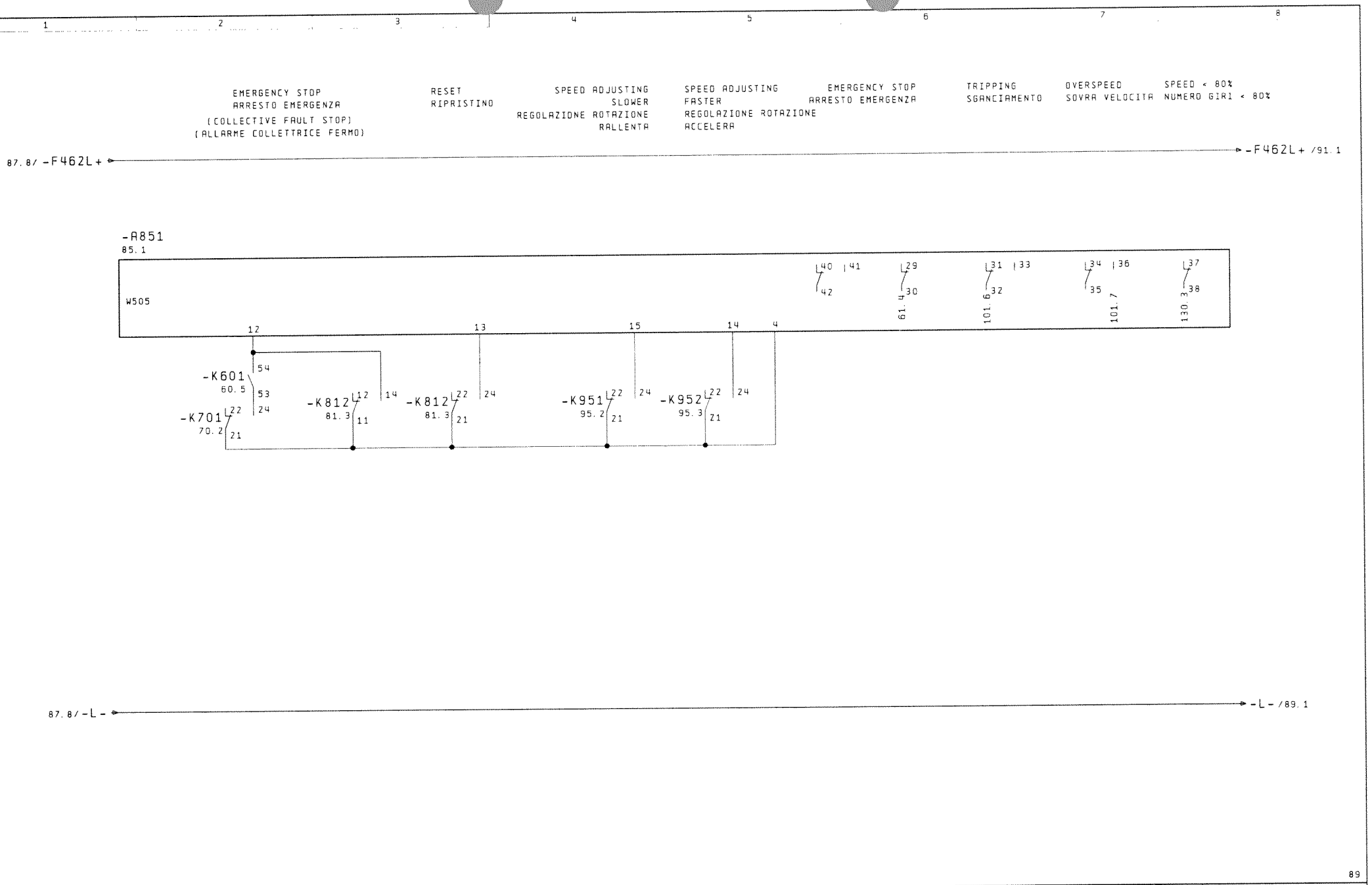
			date	23.10.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	TURBINE CONTROL W505 CONTROLLO TURBINA W505	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 86 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



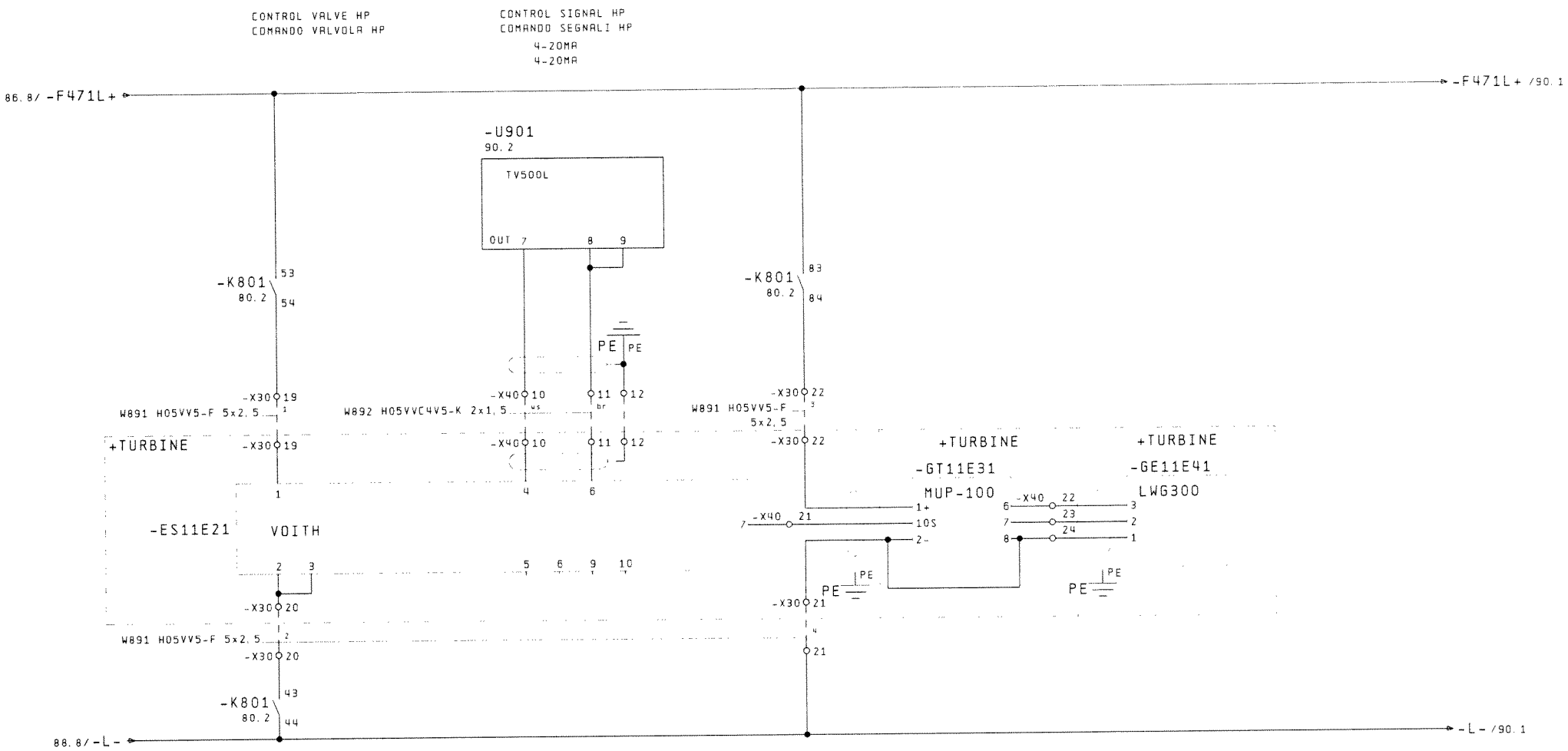
86

88

			date	23.10.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	TURBINE CONTROL W505 CONTROLLO TURBINA W505	14240/067		=TU +TU	
			drawn	KDL / SEL							
			check.						TUNPM-10626-L300F	pg.	87
modific.	date	name	stand.		origin.	sub. f.	sub.			508 pg.	



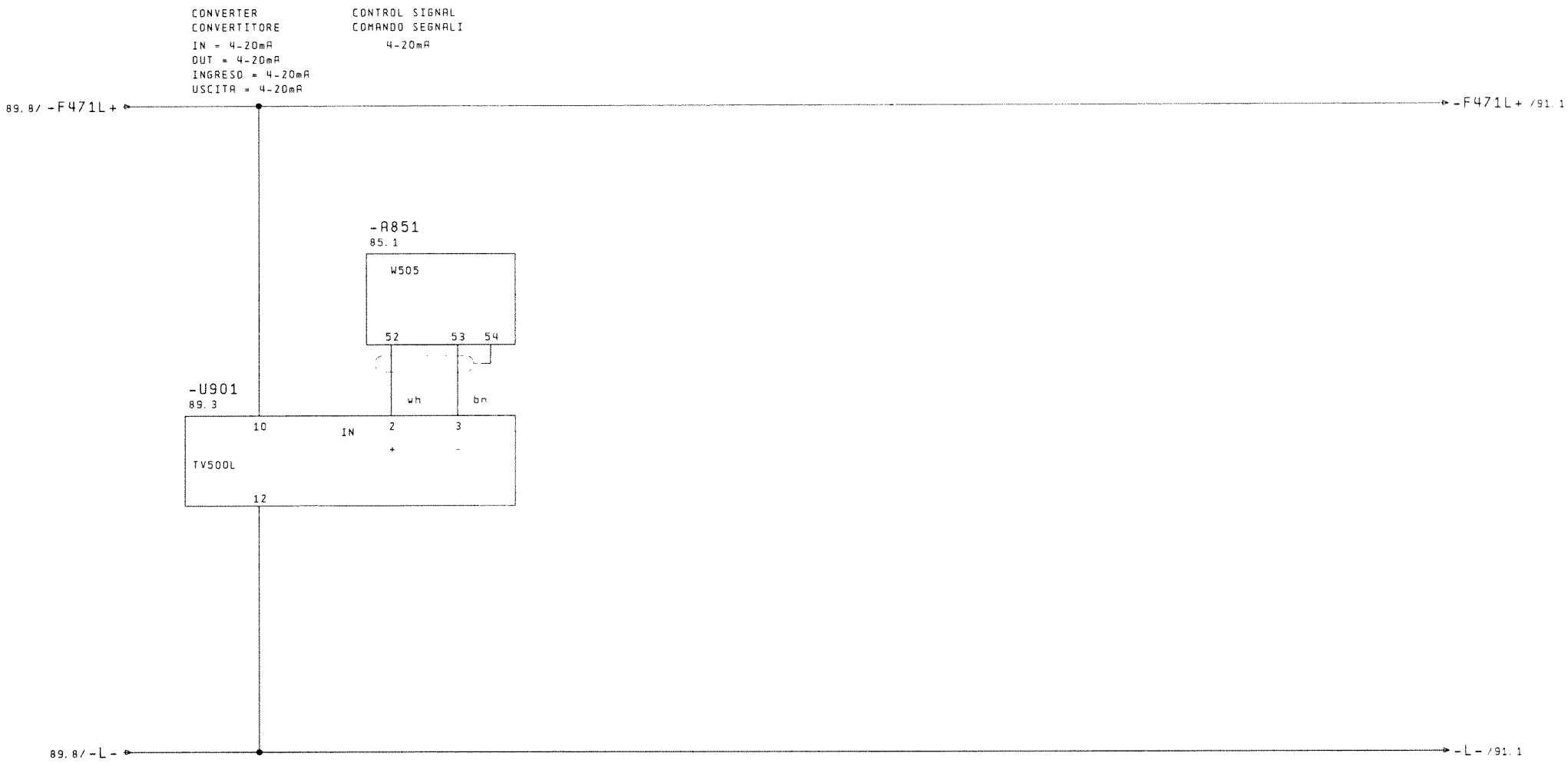
			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONELE ENERGIE SYSTEME	TURBINE CONTROL CONTROLLO TURBINA	14240/067	=TU +TU		
			drawn	KOL / SEL							
			check.							pg.	88
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F		508 pg.



88

90

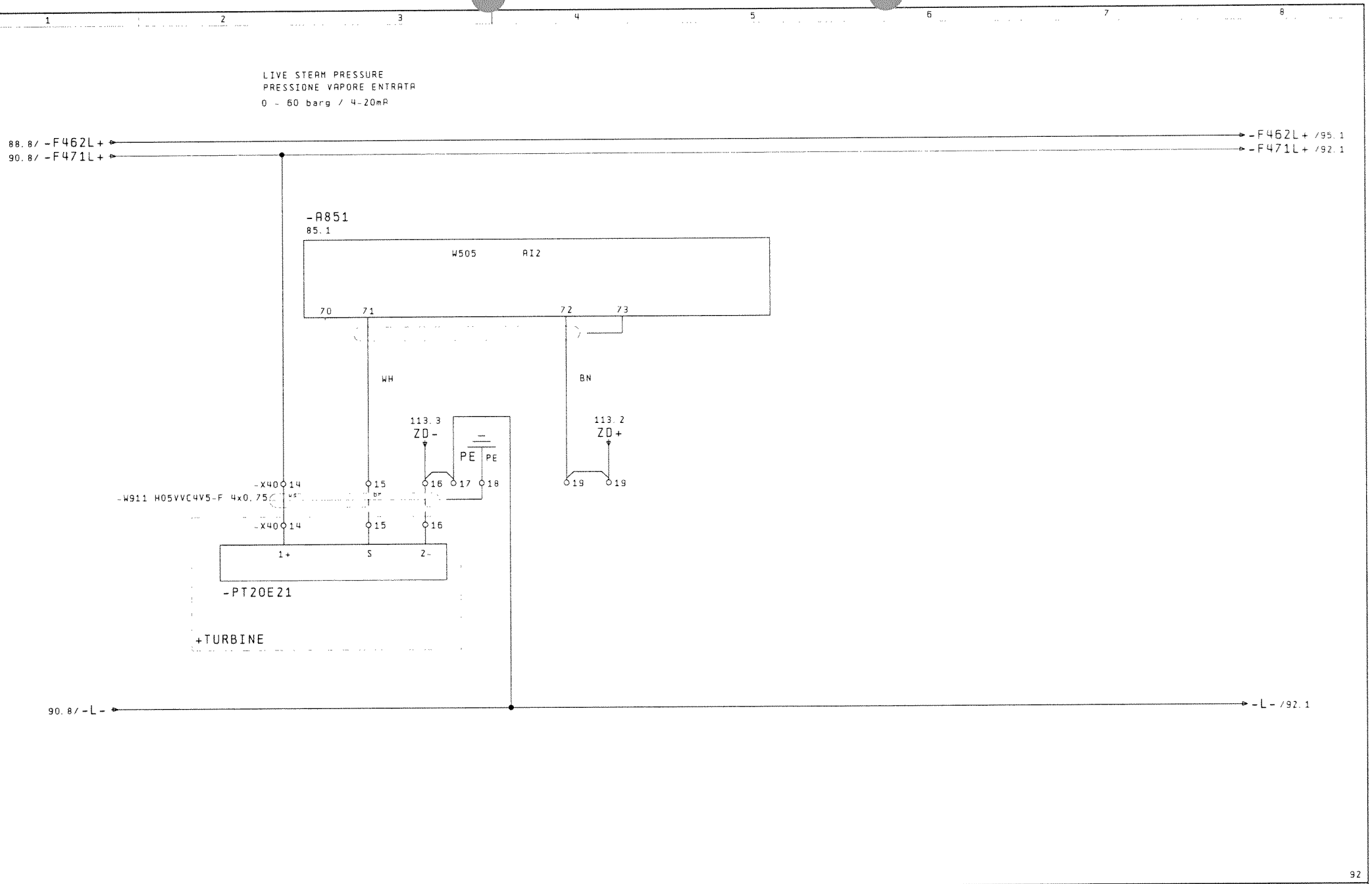
			date	23.10.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	TURBINE CONTROL W505 CONTROLLO TURBINA W505	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg 89 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



89

91

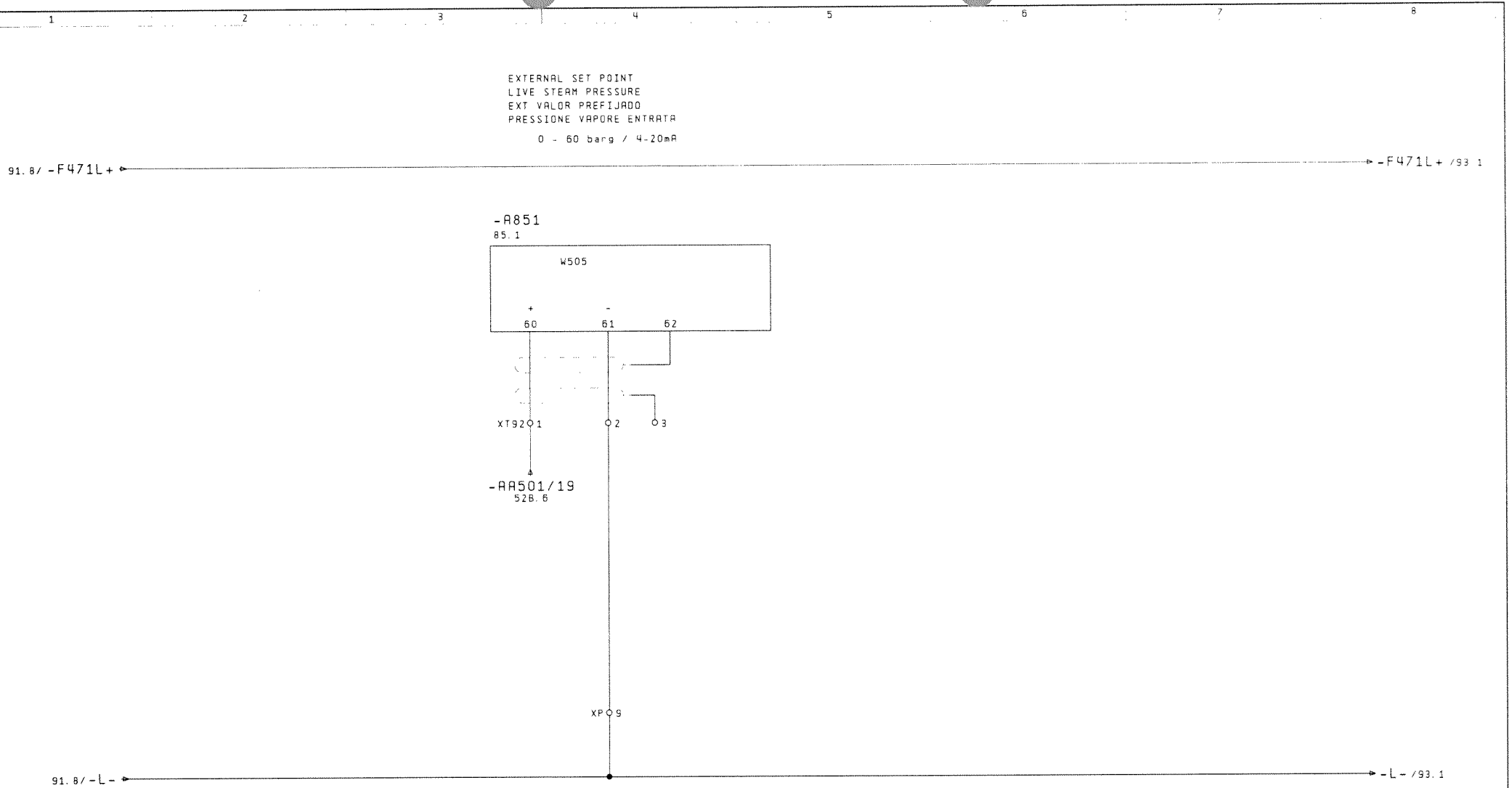
			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	TURBINE CONTROL W505 CONTROLLO TURBINA W505	14240/067		=TU +TU	
			drawn	KOL / SEL							
			check.						TUNPM-10626-L300F		pg. 90
modific.	date	name	stand.		origin.	sub. f.	sub.				508 pg.



90

92

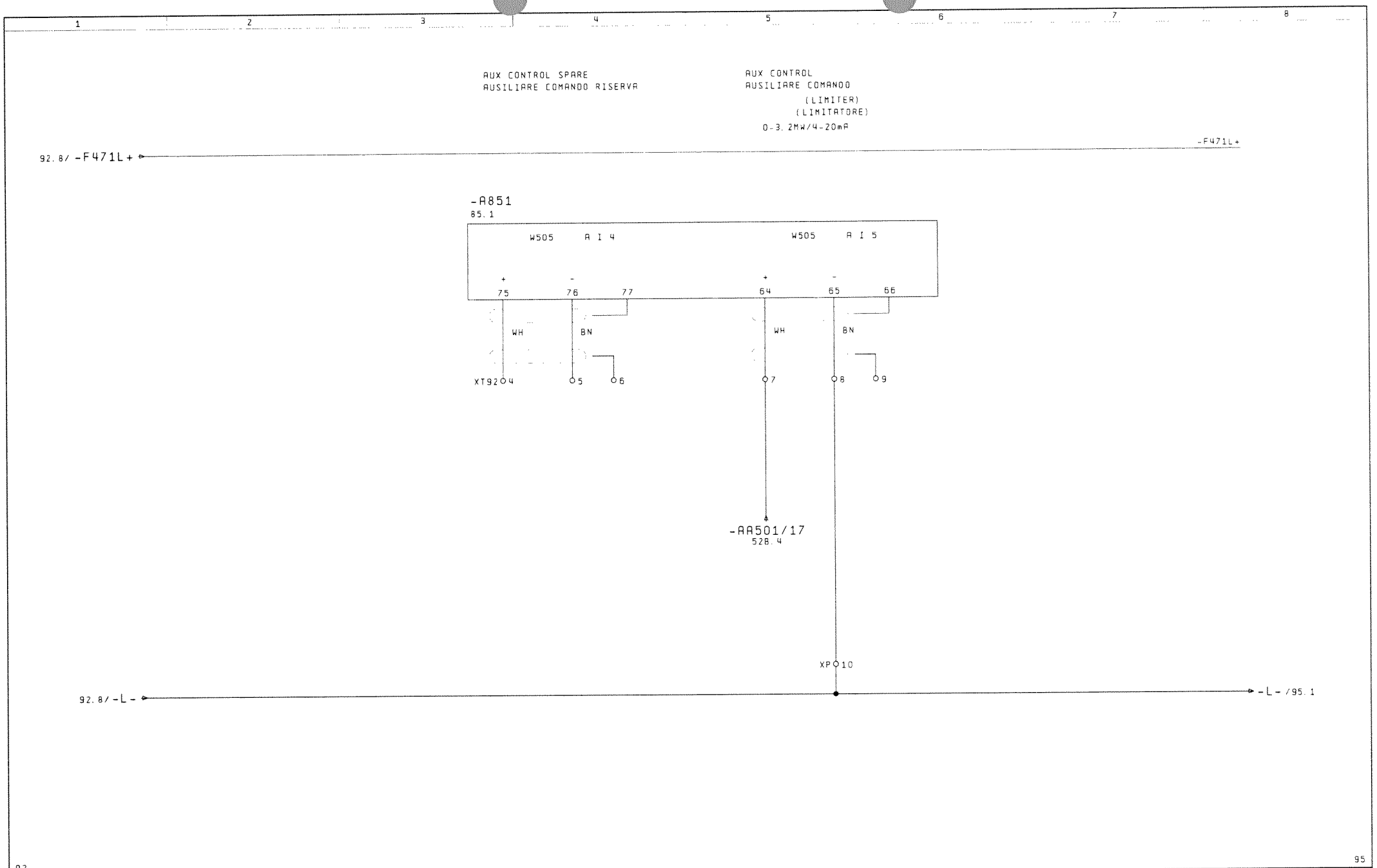
			date	23.10.07	DRESSER-RAND NADROWSKI 21124	MULTIFUNKTIONALE ENERGIE SYSTEME	TURBINE CONTROL W505	14240/067	=TU	
			drawn	KOL / SEP	EUROPOWER, ITALIEN		CONTROLLO TURBINA W505		+TU	
			check.						TUNPM-10626-L300F	pg. 91
modific.	date	name	stand.		origin.	sub. f.	sub.			508 pg.



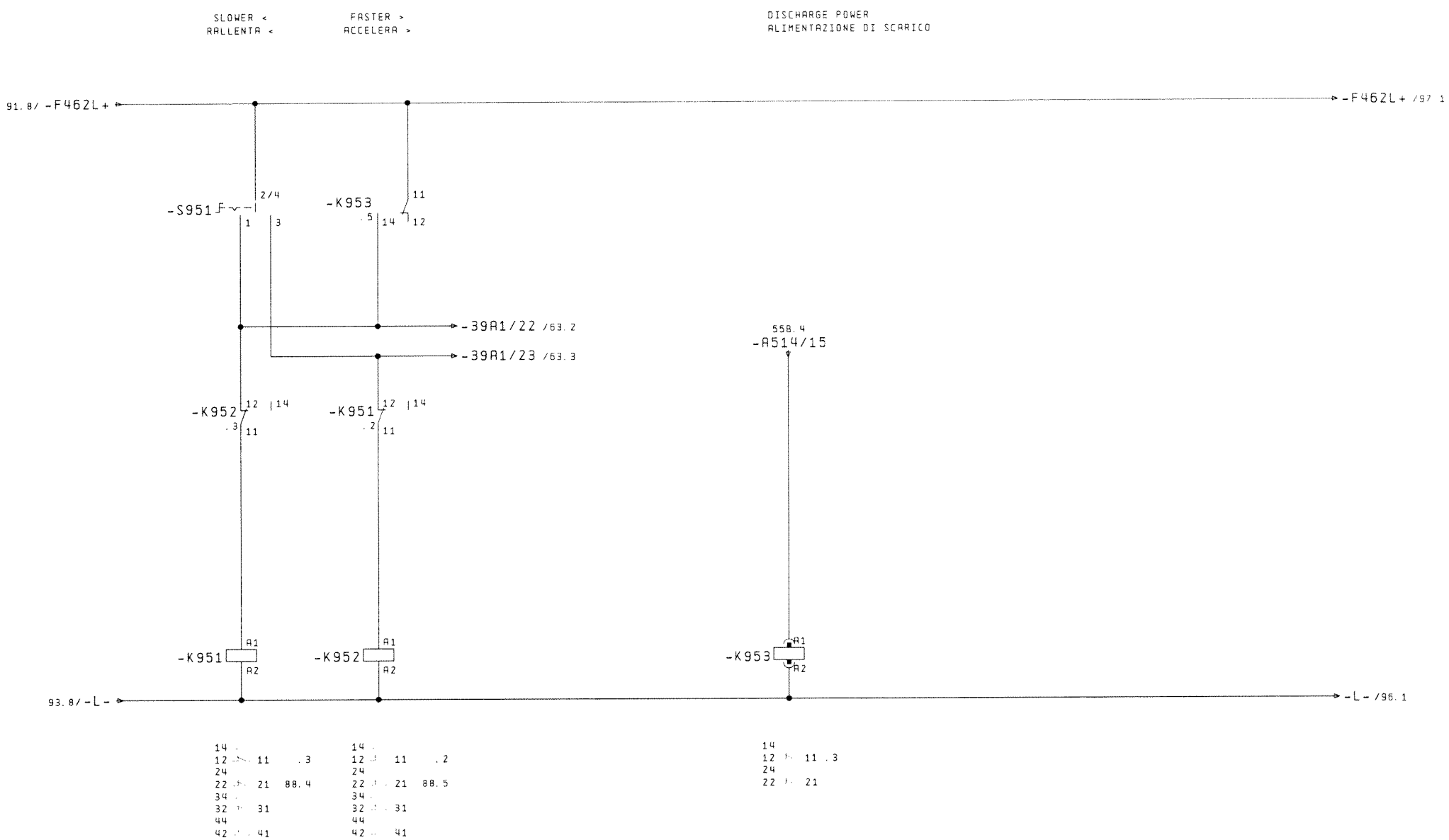
91

93

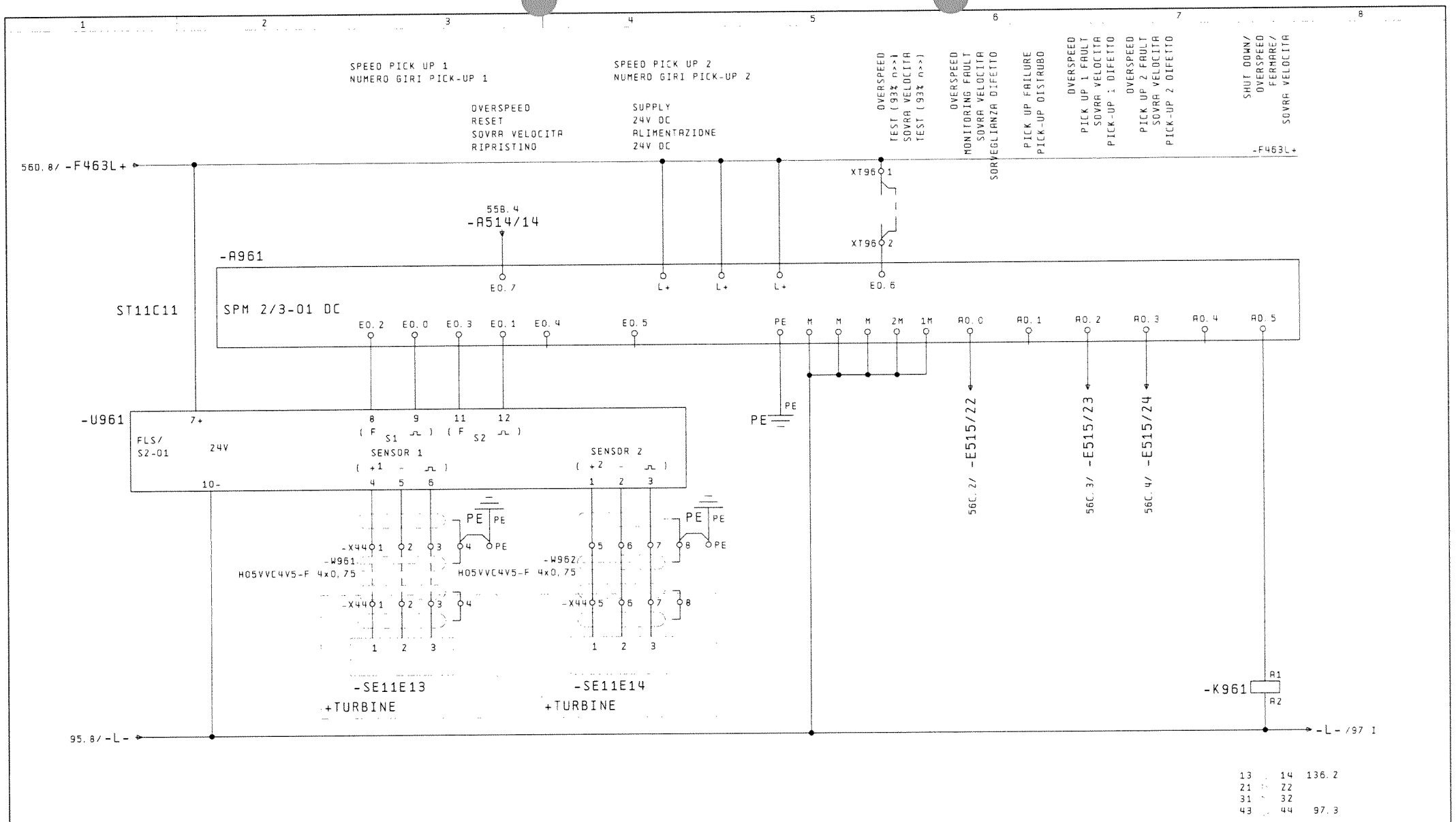
			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	TURBINE CONTROL W505 CONTROLLO TURBINA W505	14240/067	-TU +TU	
			drawn	KOL / SEP						
			check.					TUNPM-10626-L300F	pg. 92	
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.	



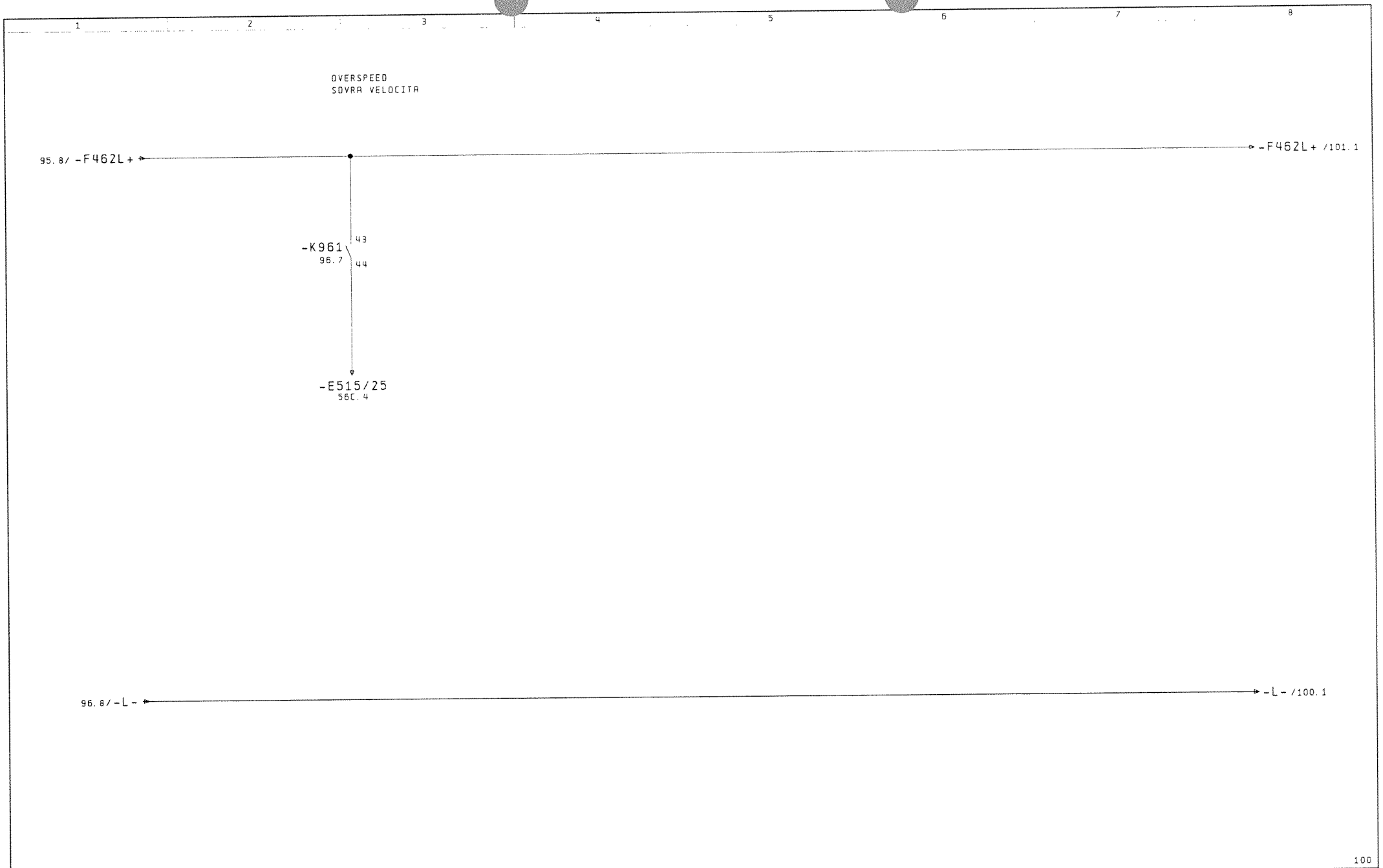
			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	TURBINE CONTROL W505 CONTROLLO TURBINA W505	14240/067	=TU +TU		
			drawn	KOL / SEL							
			check.							pg.	93
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F		508 pg.



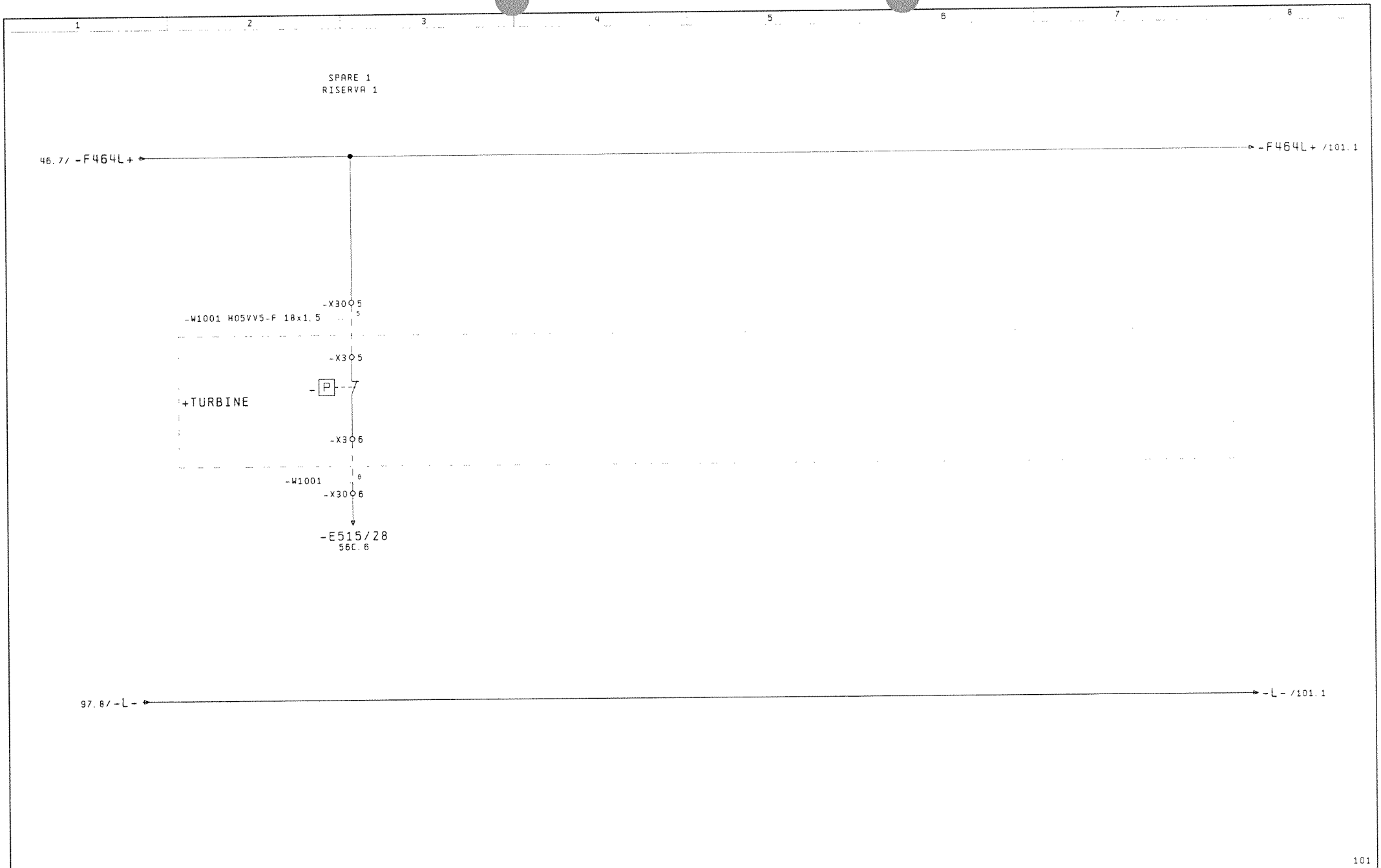
			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EURDPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	SPEED ADJUSTING REGOLAZIONE ROTAZIONE	14240/067	=TU +TU		
			drawn	KOL / SEL							
			check.						TUNPM-10626-L300F	pg. 95 / 508 pg.	
modific.	date	name	stand.		origin.	sub. f.	sub.				



			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	OVERSPEED PROTECTION SOVRA VELOCITA PROTEZIONE	14240/067	=TU +TU	
			drawn	KOL / SEL						
			check.					TUNPM-10626-L300F	pg. 96	508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.			



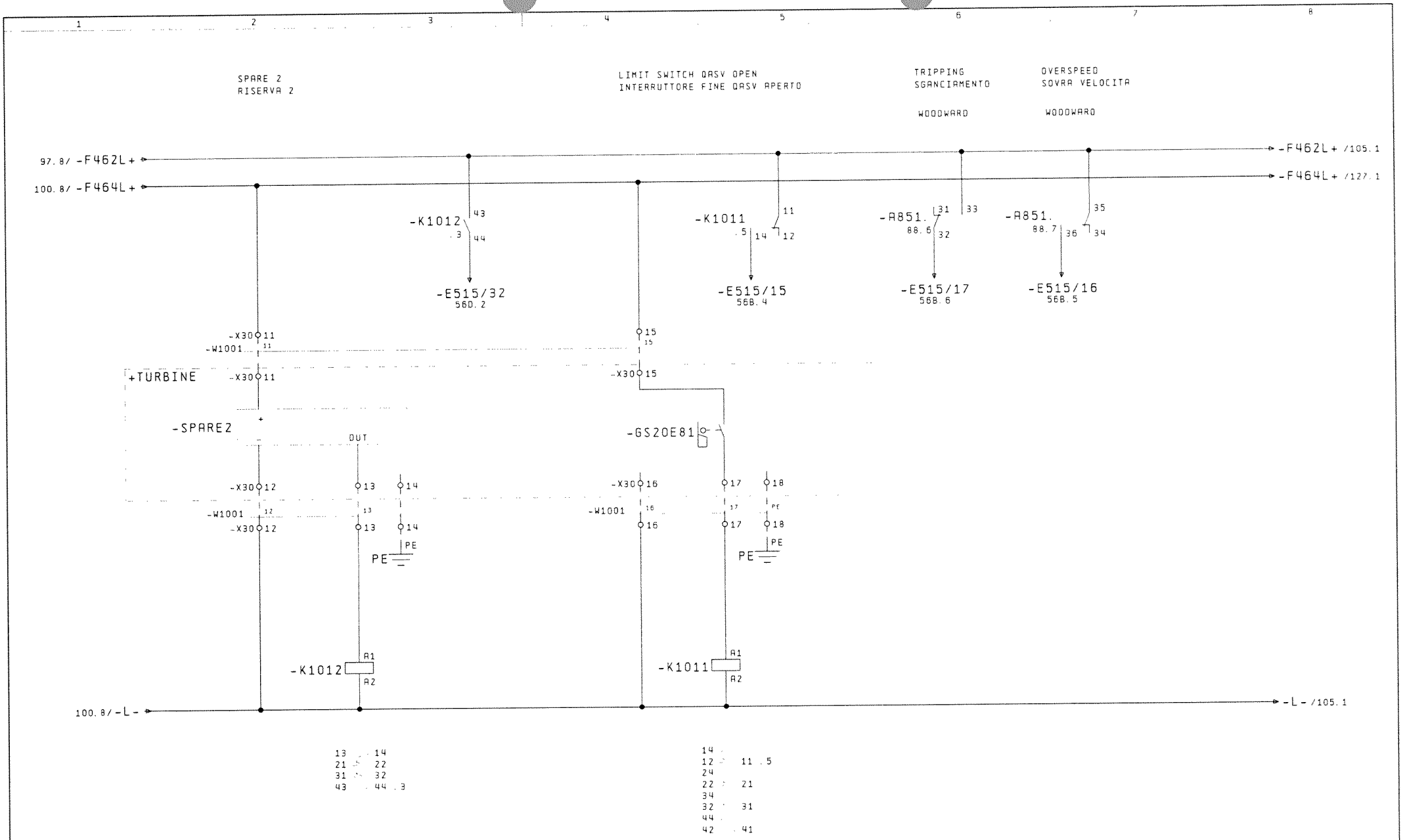
			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	OVERSPEED PROTECTION SOVRA VELOCITA PROTEZIONE	14240/067	=TU +TU		
			drawn	KOL / SEL							
			check.					TUNPM-10626-L300F		pg. 97	
modific.	date	name	stand.		origin.	sub. f.	sub.			508 pg.	



97

101

			date	13.11.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	MONITORING SORVEGLIANZA	14240/067	=TU +TU		
			drawn	KOL / SEL							
			check.							pg. 100	
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F	508 pg.	


1
2
3
4
5
6
7
8
SPARE 2
RISERVA 2
LIMIT SWITCH QASV OPEN
INTERRUTTORE FINE QASV APERTO
TRIPPING
SGANCIAMENTO
WOODWARD
OVERSPEED
SOVRA VELOCITA
WOODWARD
97.8/ -F462L+
100.8/ -F464L+
-F462L+ /105.1
-F464L+ /127.1
-K1012
43
44
.3
-E515/32
56D.2
-K1011
11
12
.5
14
-E515/15
56B.4
-A851.
88.6
31
32
33
-E515/17
56B.6
-A851.
88.7
35
36
34
-E515/16
56B.5
-X30 11
-W1001
11
15
15
+TURBINE
-X30 11
-X30 15
-SPARE2
+
-
OUT
-GS20E81
-X30 12
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14
-X30 16
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-W1001
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-W1001
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-X30 12
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100.8/-L-
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13 14
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32 31
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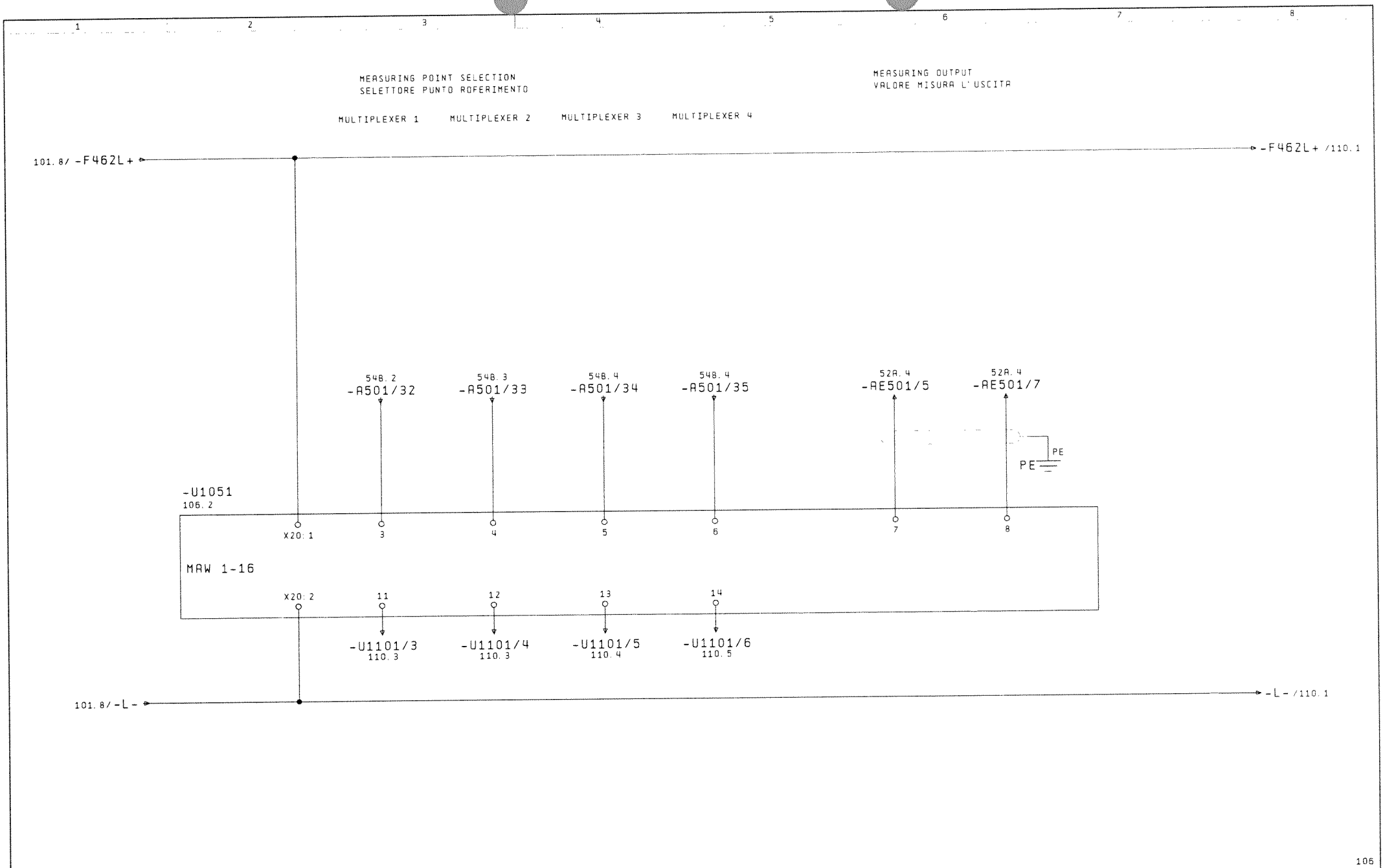
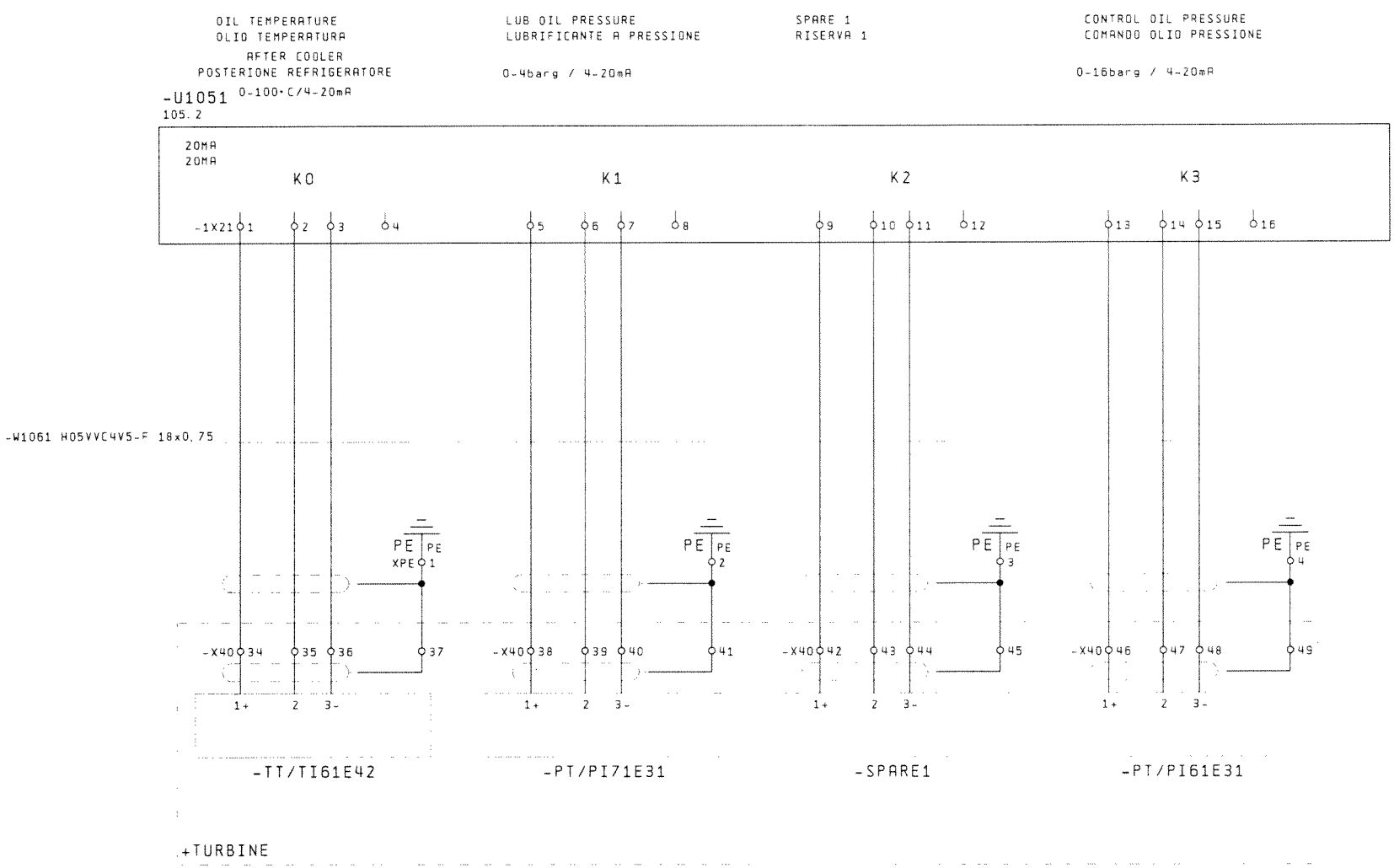
42 41
100
105
date
03.12.07
drawn
KOL / SEL
check.
stand.
modific.
date
name
DRESSER-RAND NADROWSKI 21124
EUROPOWER, ITALIEN
origin.
sub. f.
MULTIFUNKTIONALE ENERGIE SYSTEME
sub.
MONITORING
SORVEGLIANZA
14240/067
=TU
+TU
TUNPM-10626-L300F
pg. 101
508 pg.



101

106

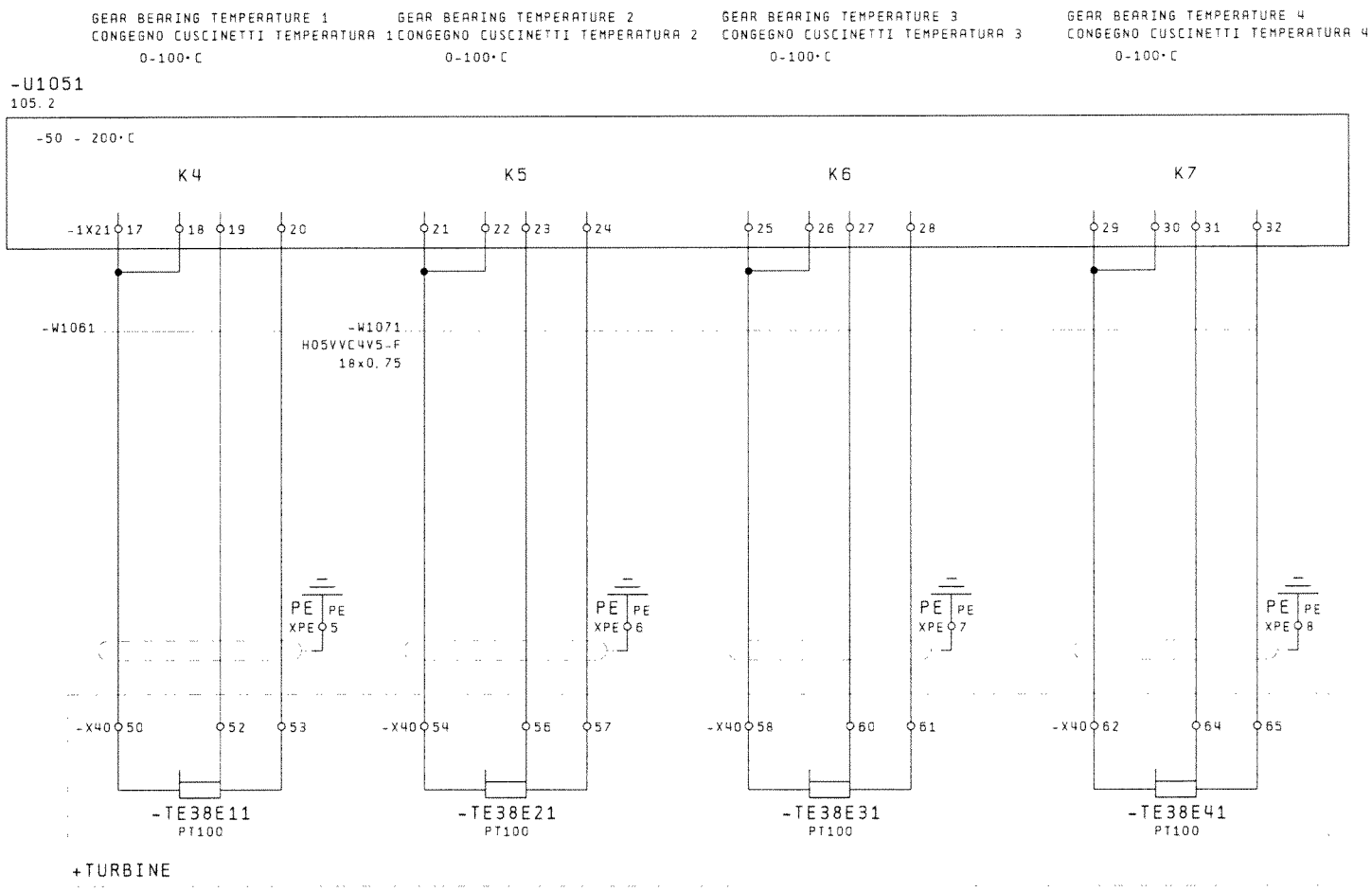
			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	MEASURING CONVERTER VALORE MISURA CONVERTITORE	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 105 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



ATTENTION : ATTENZIONE :
SENSOR CONNECTION DIRECT ON DEVICES.
CONNESSIONE IL TASTATORE DIRETTO L'APPARECCHIO.

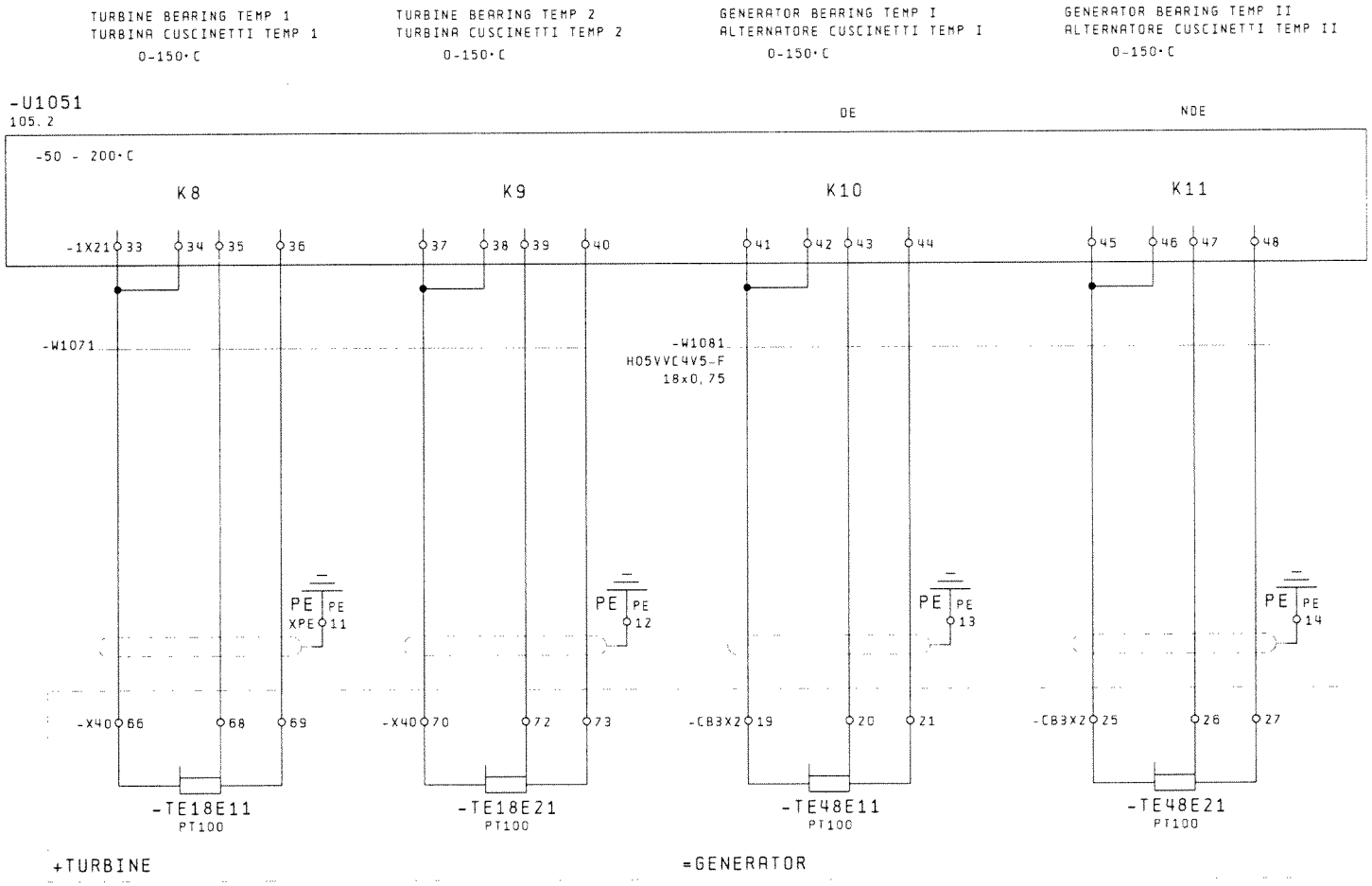
105 107

			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.						
modific.	date	name	stand.		origin.	sub. f.	sub.	TUNPM-10626-L300F	pg. 106 / 508 pg.



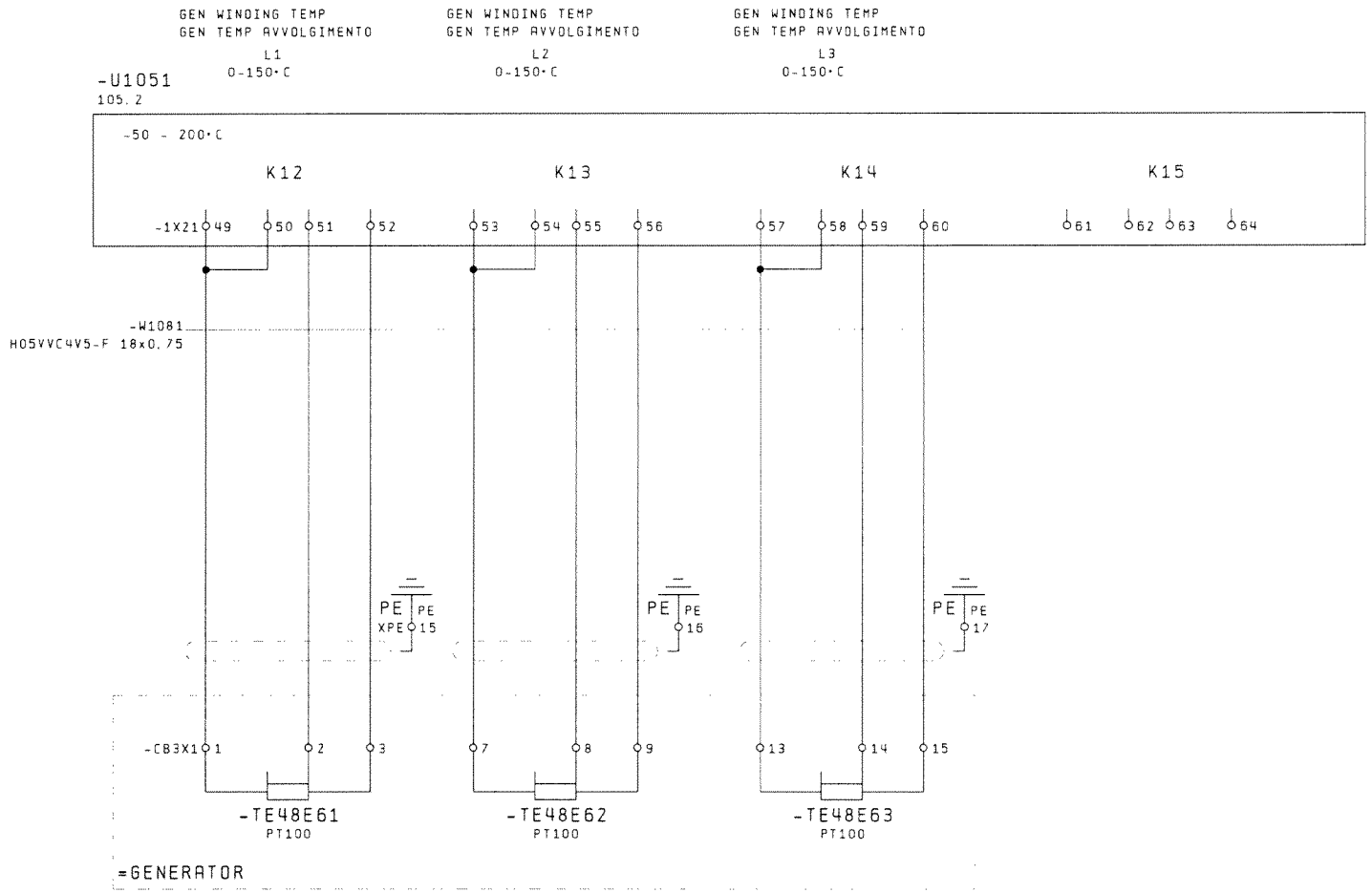
ATTENTION :
ATTENZIONE :
CONNECTION THE PT 100 SENSORS DIRECT AT DEVICE.
COLLEGAMENTO IL PT 100 IL TASTATORE DIRETTO APPARECCHIO.

			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONELLE ENERGIE SYSTEME	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.						
modific.	date	name	stand.		origin.	sub. f.	sub.	TUNPM-10626-L300F	pg. 107 / 508 pg.



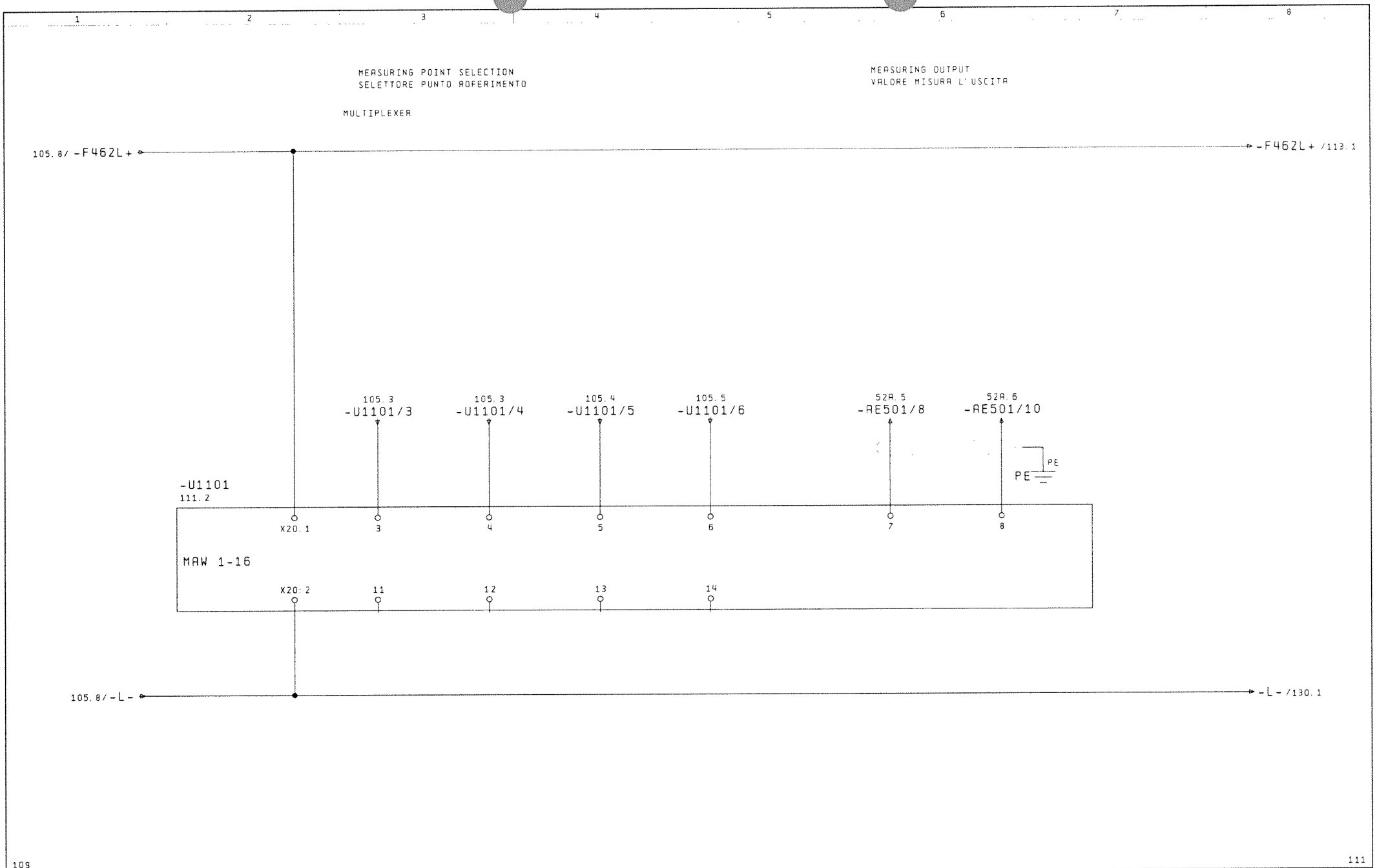
ATTENTION :
ATTENZIONE :
CONNECTION THE PT 100 SENSORS DIRECT AT DEVICE.
COLLEGAMENTO IL PT 100 IL TASTATORE DIRETTO APPARECCHIO.

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	14240/067	=TU +TU	
			drawn	KOL / SEP						
			check.							
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F	pg. 108 / 508 pg.



ATTENTION :
ATTENZIONE :
CONNECTION THE PT 100 SENSORS DIRECT AT DEVICE.
COLLEGAMENTO IL PT 100 IL TASTATORE DIRETTO APPARECCHIO.

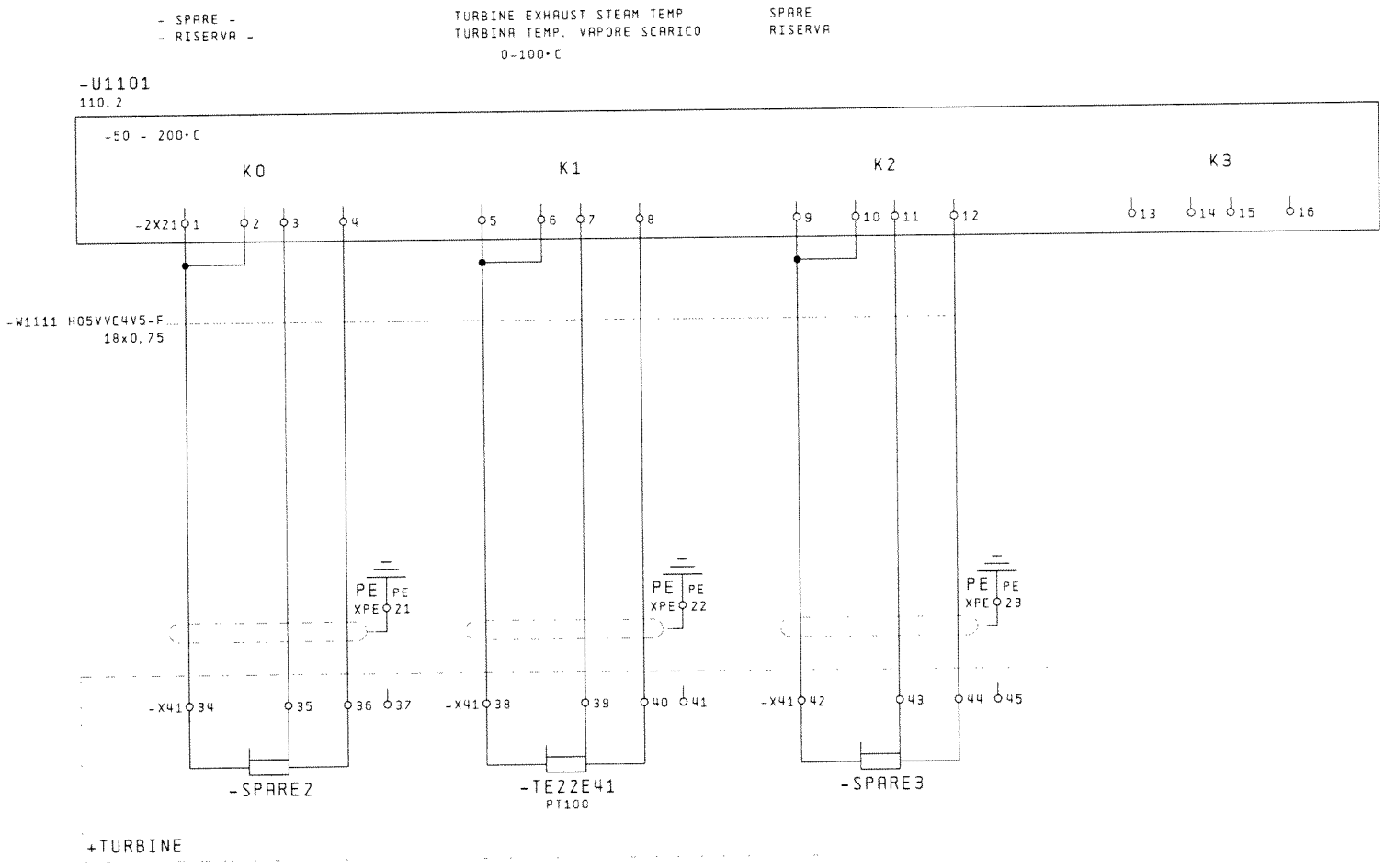
			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	14240/067	=TU +TU	
			drawn	KDL / SEP						
			check.							
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F	pg 109 / 508 pg.



109

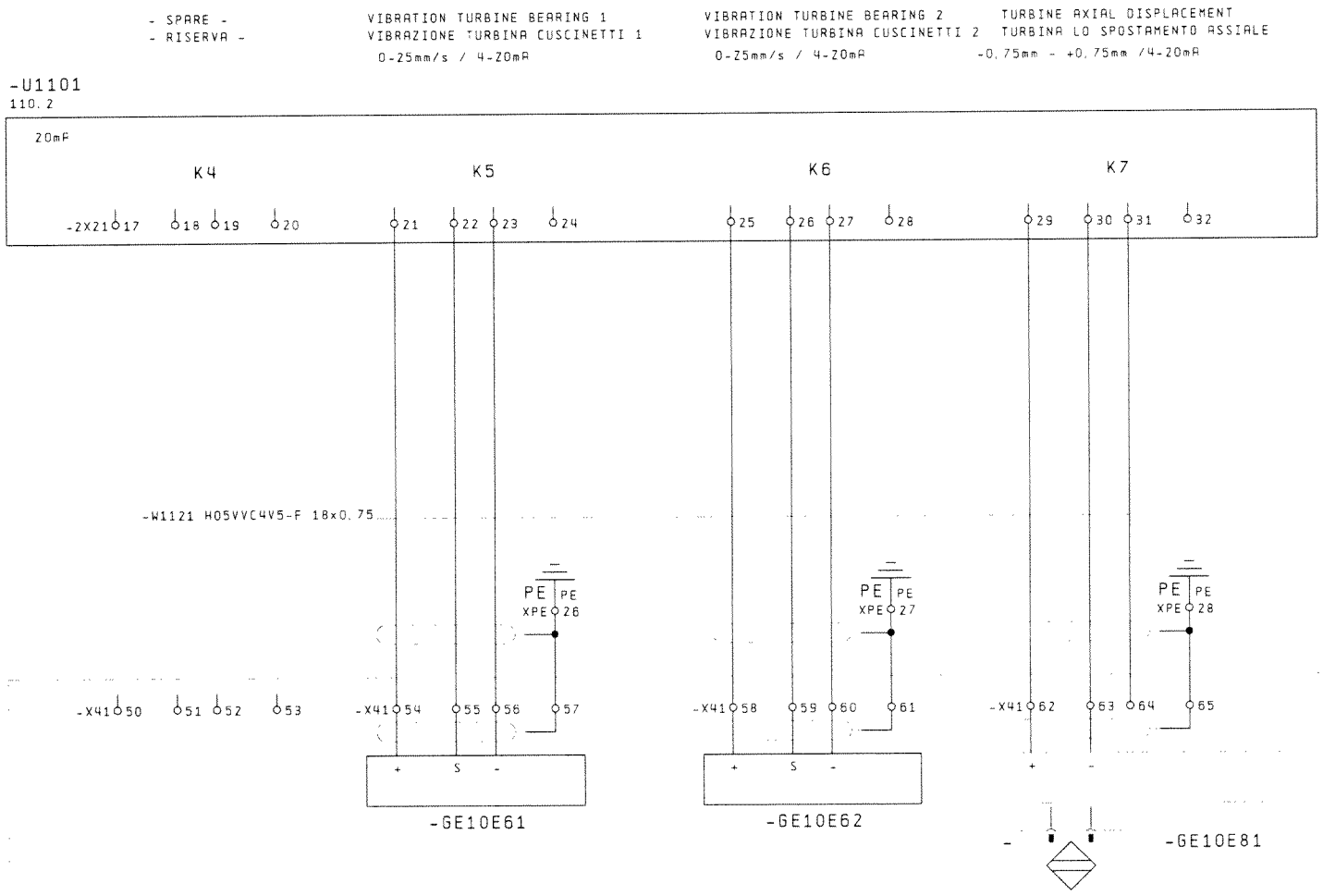
111

			date	08.11.07	DRESSER-RAND NADROWSKI Z1124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	MEASURING-CONVERTER VALORE MISURA-CONVERTITORE	14240/067	=TU +TU		
			drawn	KOL / SEL							
			check.								
modific.	date	name	stand.		origin.	sub. f.	sub.		TUNPM-10626-L300F	pg. 110	508 pg.



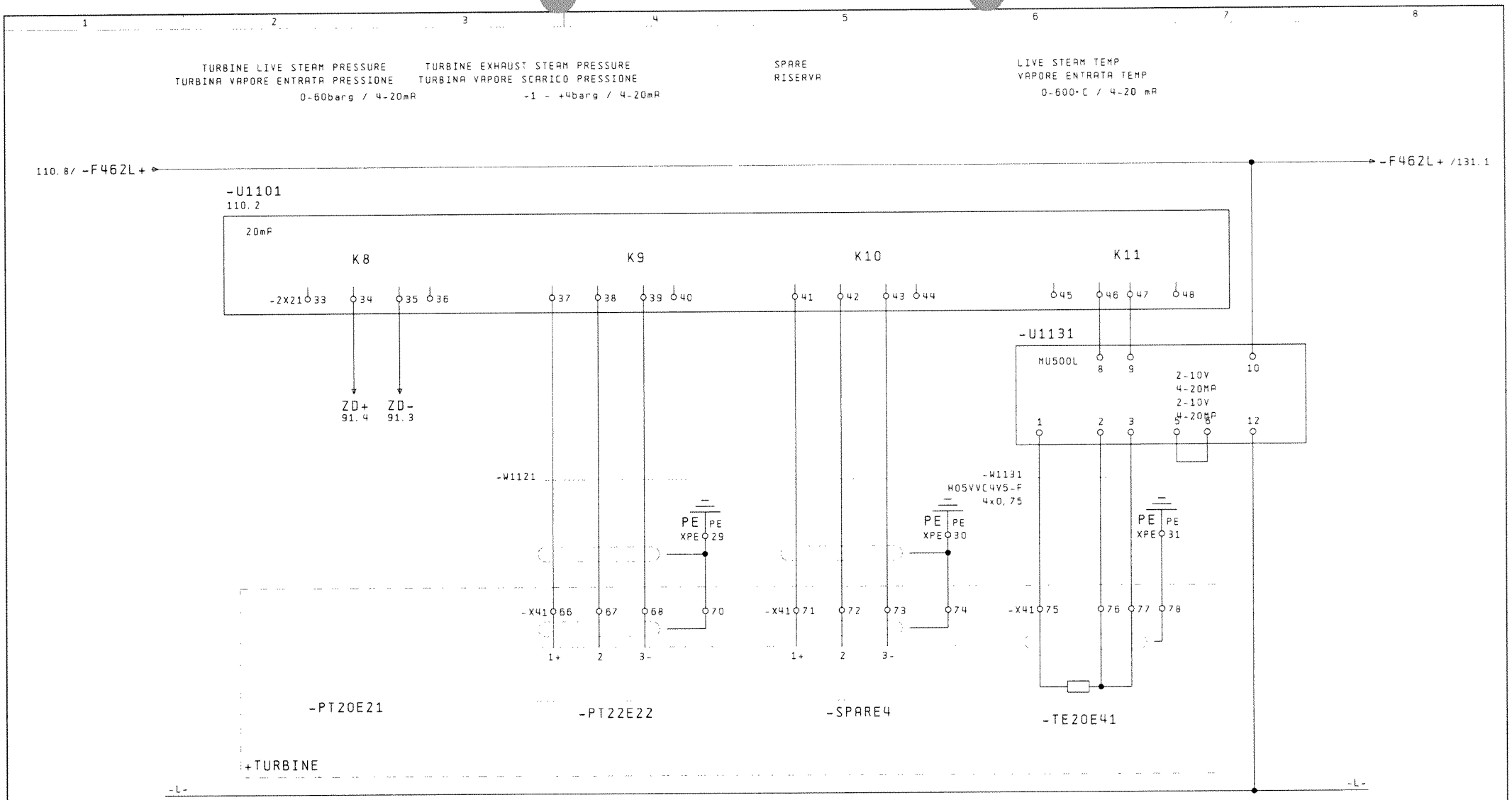
ATTENTION :
ATTENZIONE :
CONNECTION THE PT 100 SENSORS DIRECT AT DEVICE.
COLLEGAMENTO DEL SENSORE PT 100 DIRETTAMENTE ALL' APPARECCHIO

			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONELE ENERGIE SYSTEME	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	14240/067	=TU +TU	
			drawn	KOL / SEP						
			check.					TUNPM-10626-L300F	pg. 111	
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.	



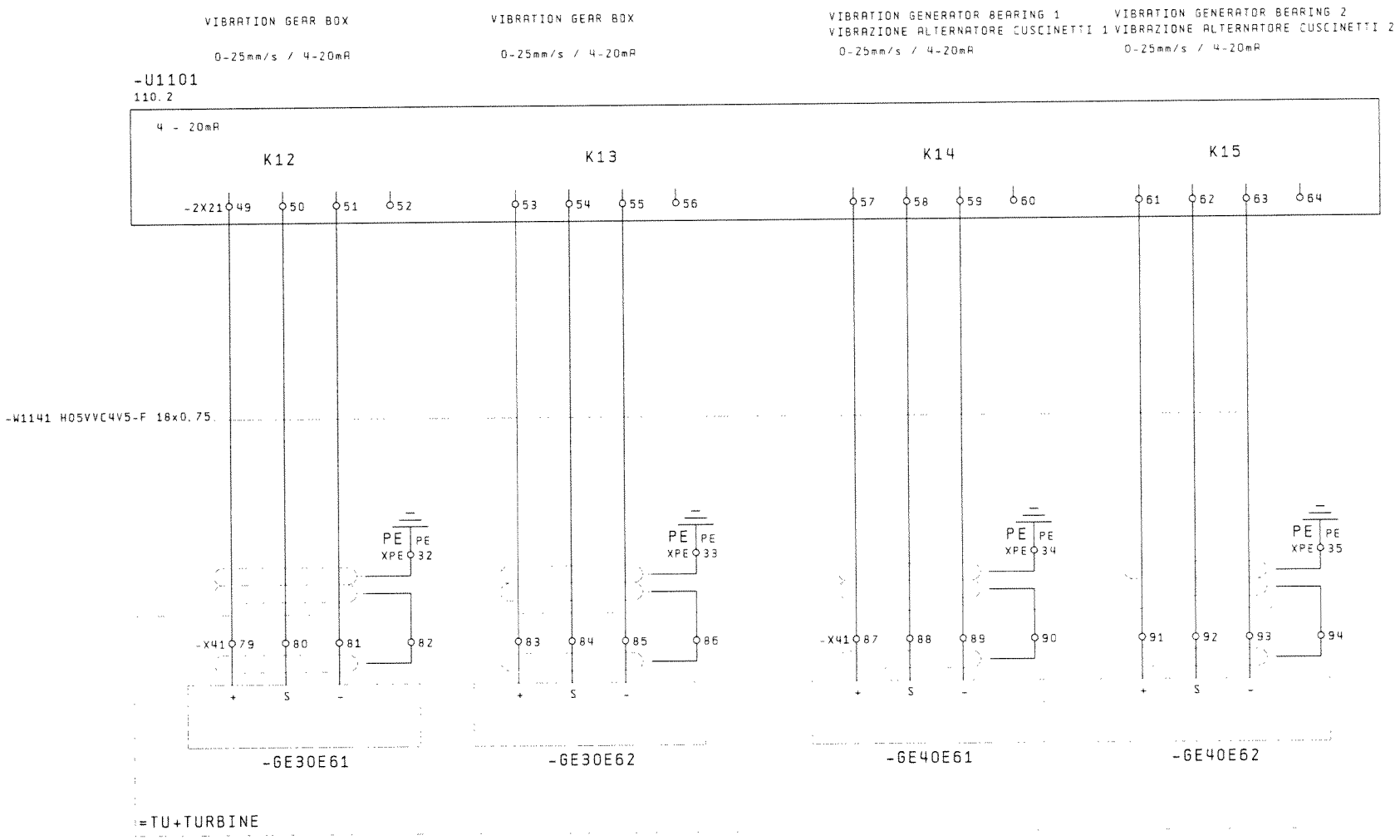
ATTENTION :
ATTENZIONE :
SENSOR CONNECTION DIRECT ON DEVICES .
CONNESIONE IL TASTATORE DIRETTO L'APPARECCHIO.

			date	30.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 112 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



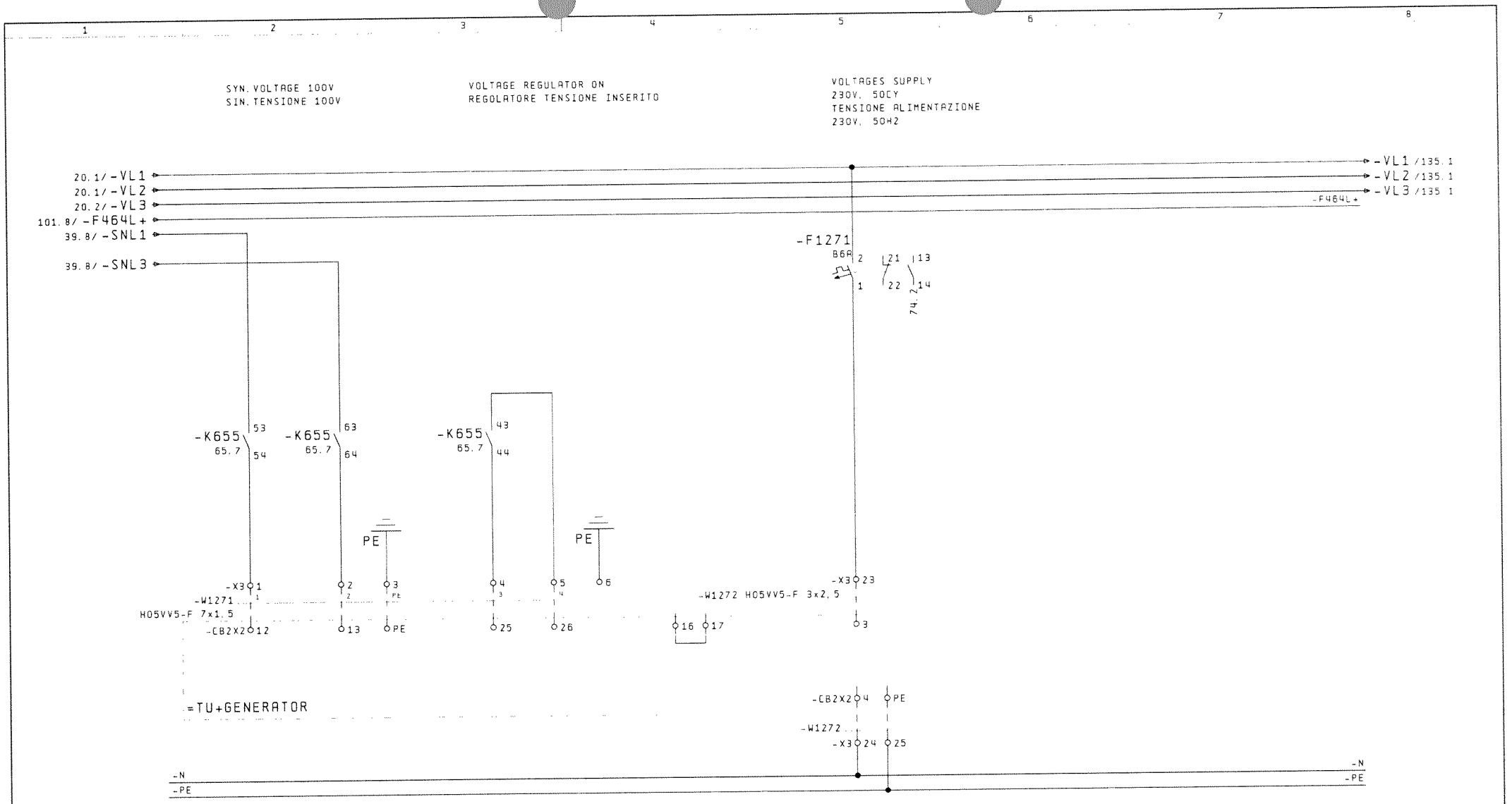
ATTENTION :
ATTENZIONE :
SENSOR CONNECTION DIRECT ON DEVICES.
CONNESSIONE IL TASTATORE DIRETTO L'APPARECCHIO.

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	14240/067	=TU +TU		
			drawn	KOL / SEP							
			check.						TUNPM-10626-L300F	pg. 113	
modific.	date	name	stand.		origin.	sub. f.	sub.			508 pg.	



ATTENTION :
ATTENZIONE :
SENSOR CONNECTION DIRECT ON DEVICES.
ALLACCIAMENTO TASTATORE DIRETTO ALL'APPARECCHIO.

			date	31.08.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	ANALOG MEASURING INPUTS ANALOGICO VALORE MISURA INGRESSI	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.					TUNPM-10626-L300F	pg. 114 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



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128

			date	05.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	CONTROL GEN. TERMINAL BOX COMANDO GEN. MUFFOLA TERMINALE	14240/067	-TU +TU
			drawn	KOL / SEP					
			check.					TUNPM-10626-L300F	pg. 127 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		

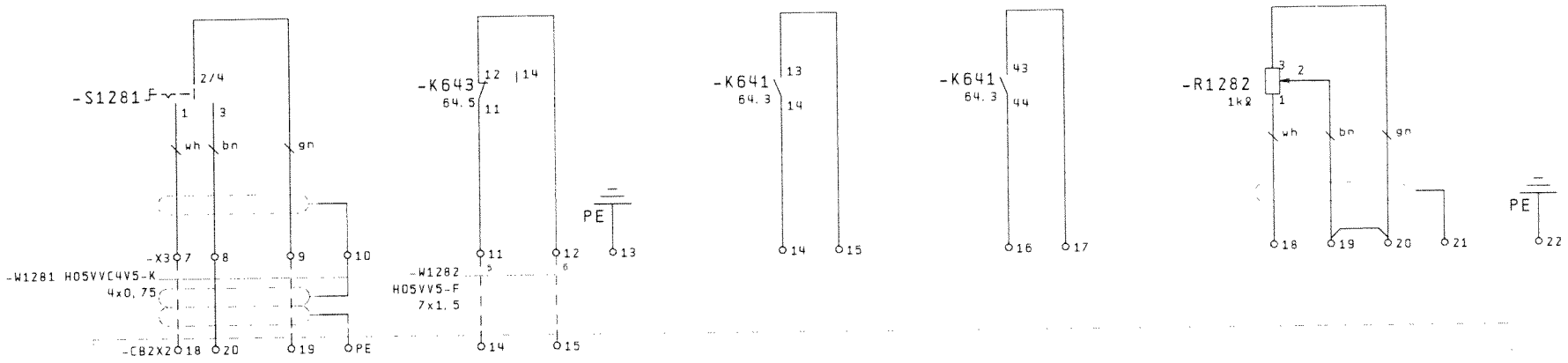
GEN VOLTAGE
GEN TENSIONE
VOLTAGE ADJUSTOR
REGOLATORE DEL VALORE RICHIESTO
(ON MOUNTING PLATE)
(SOPRA PIASTRA MONTAGGIO)

SIGNAL
PARALLEL OPERATION
SEGNALE
FUNZIONAMENTO PARALLELO
POWER FACTOR REGULATOR
FATTORE POTENZA REGOLATORE

DE EXCITATION
DEECCITAZIONE

DE EXCITATION
DEECCITAZIONE

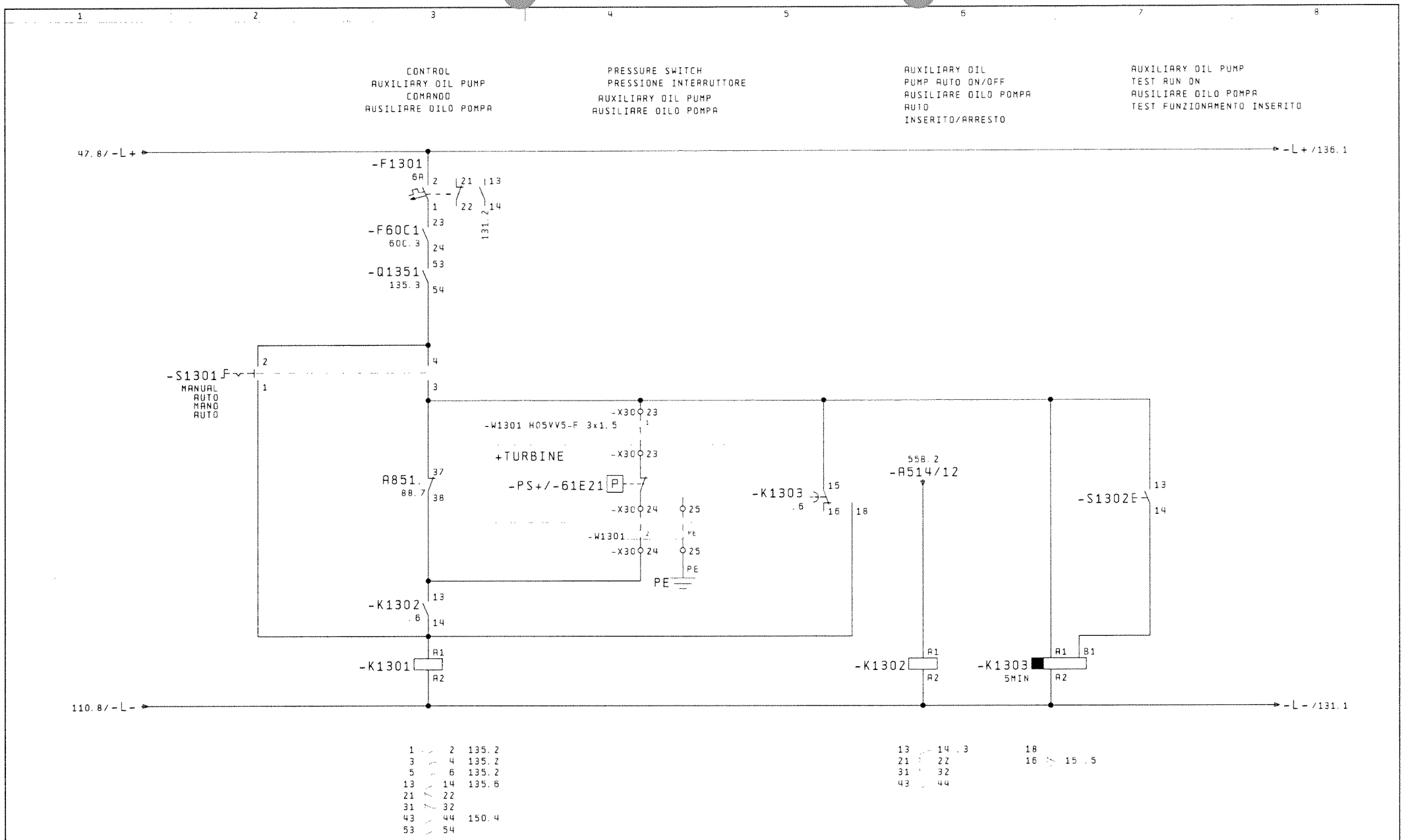
POWER FACTOR REGULATOR
FATTORE POTENZA REGOLATORE
(ON MOUNTING PLATE)
(SOPRA PIASTRA MONTAGGIO)



GENERATOR INDAR

+GENERATOR

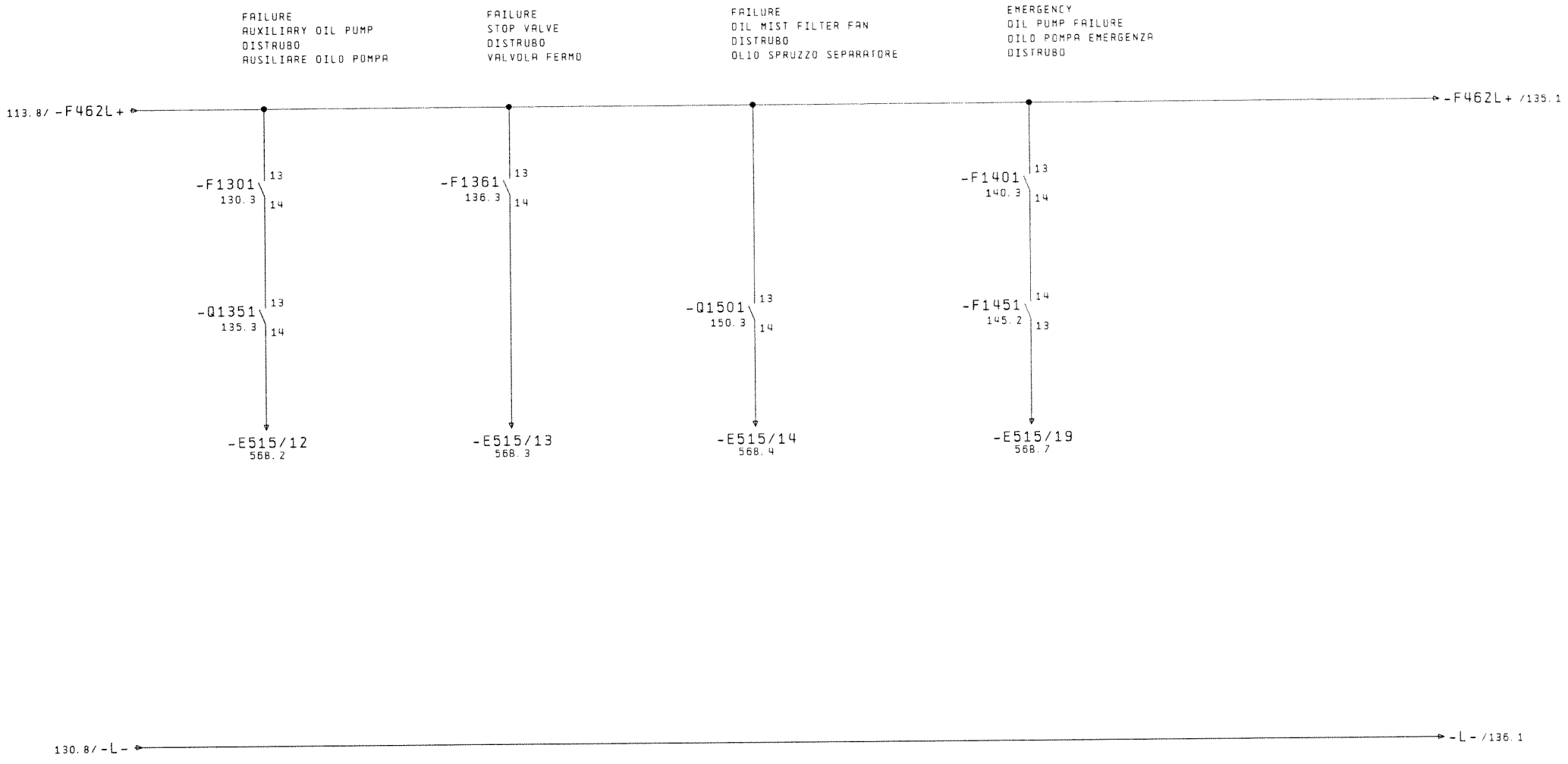
			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	CONTROL GEN. TERMINAL BOX COMANDO GEN. MUFFOLA TERMINALE	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 128 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



128

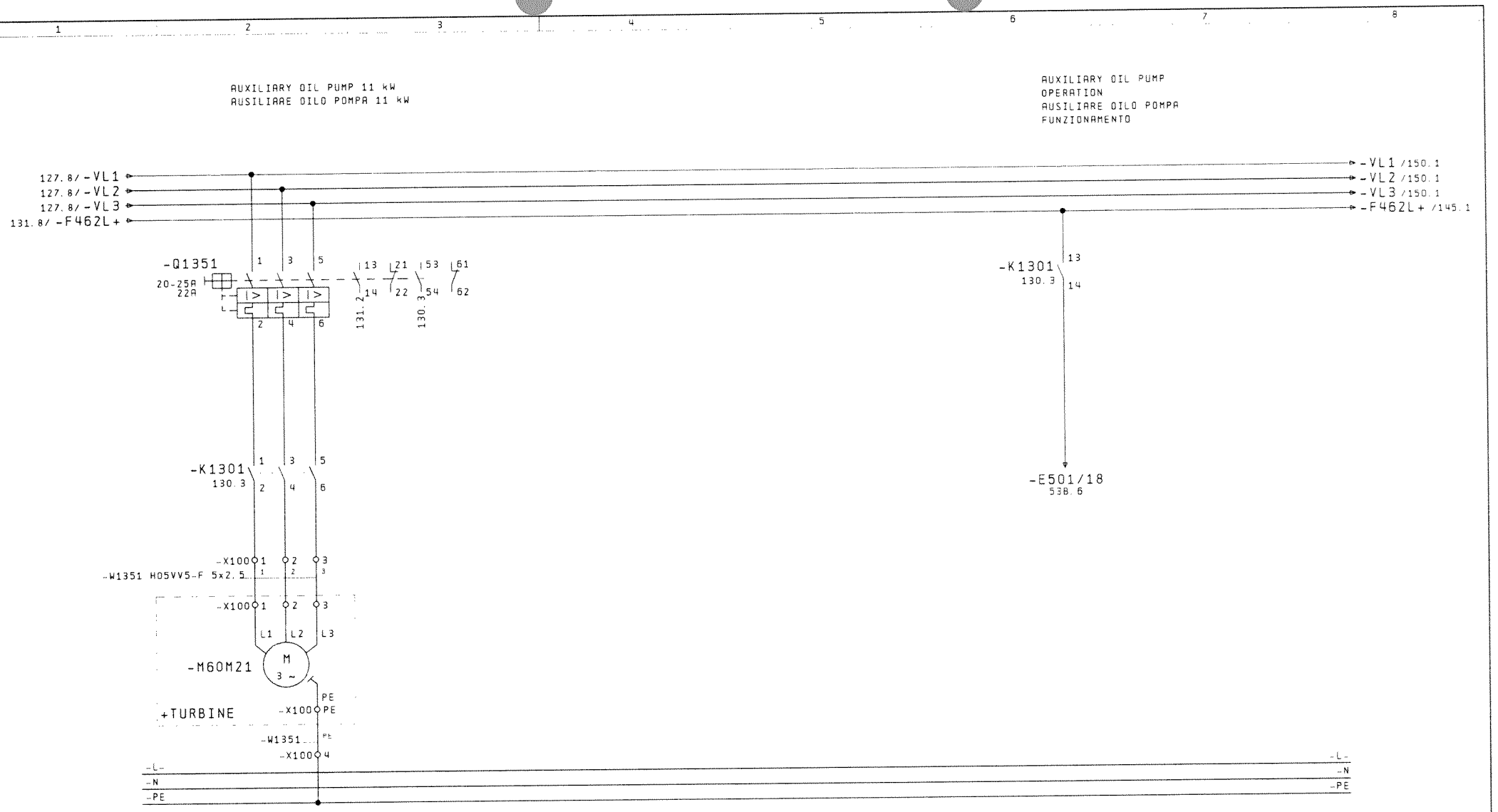
131

			date	03.12.07	DRESSER-RAND NADROWSKI Z1124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	CONTROL AUXILIARY OIL PUMP COMANDO AUSILIARE OILO POMPA	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 130
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.



130 135

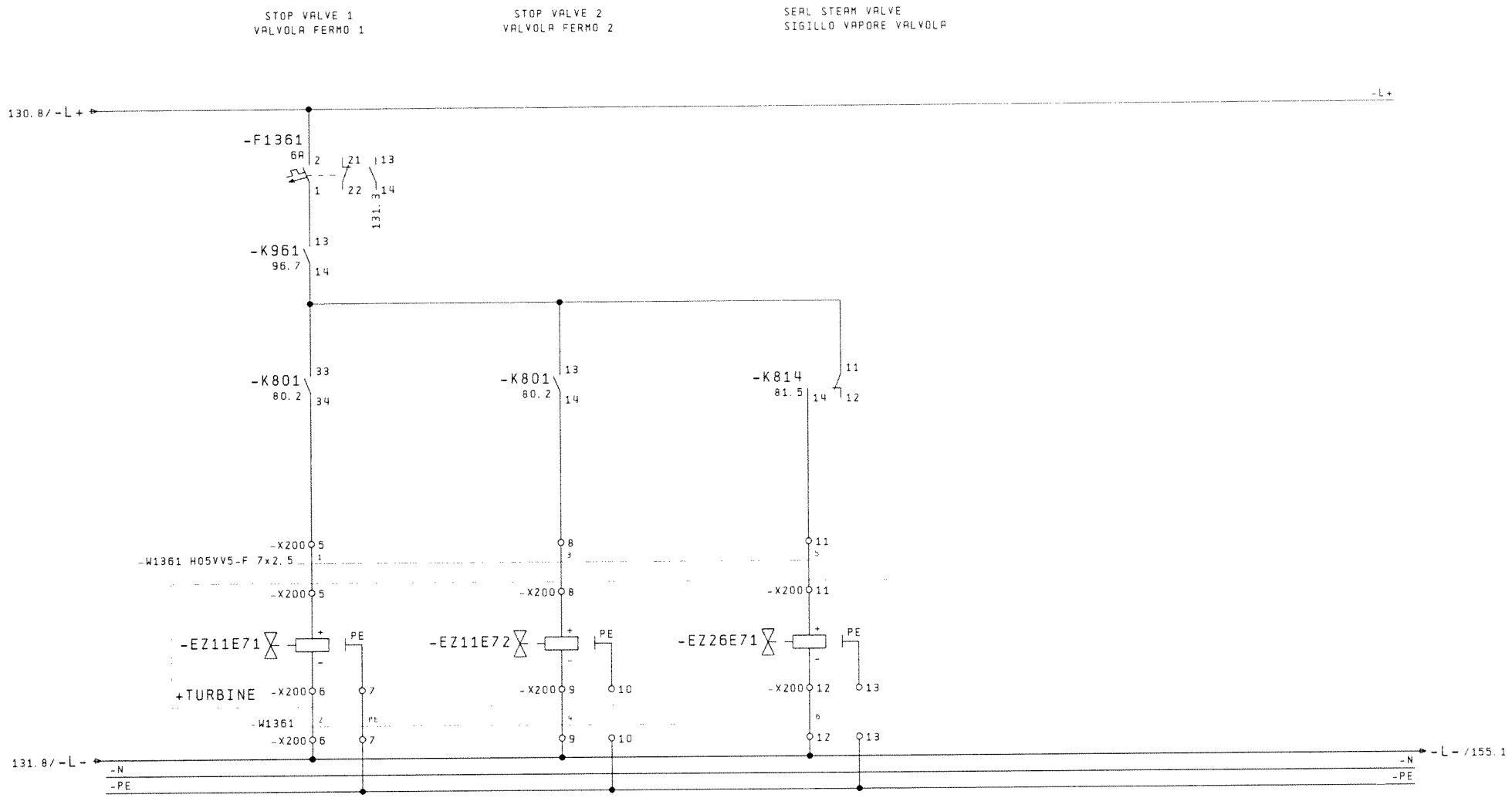
			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONELLE ENERGIE SYSTEME	CONTROL AUXILIARY OIL PUMP COMANDO AUSILIARE OILO POMPA	14240/067	=TU +TU		
			drawn	KOL / SEL							
			check.					TUNPM-10626-L300F		pg. 131	508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.				



131

136

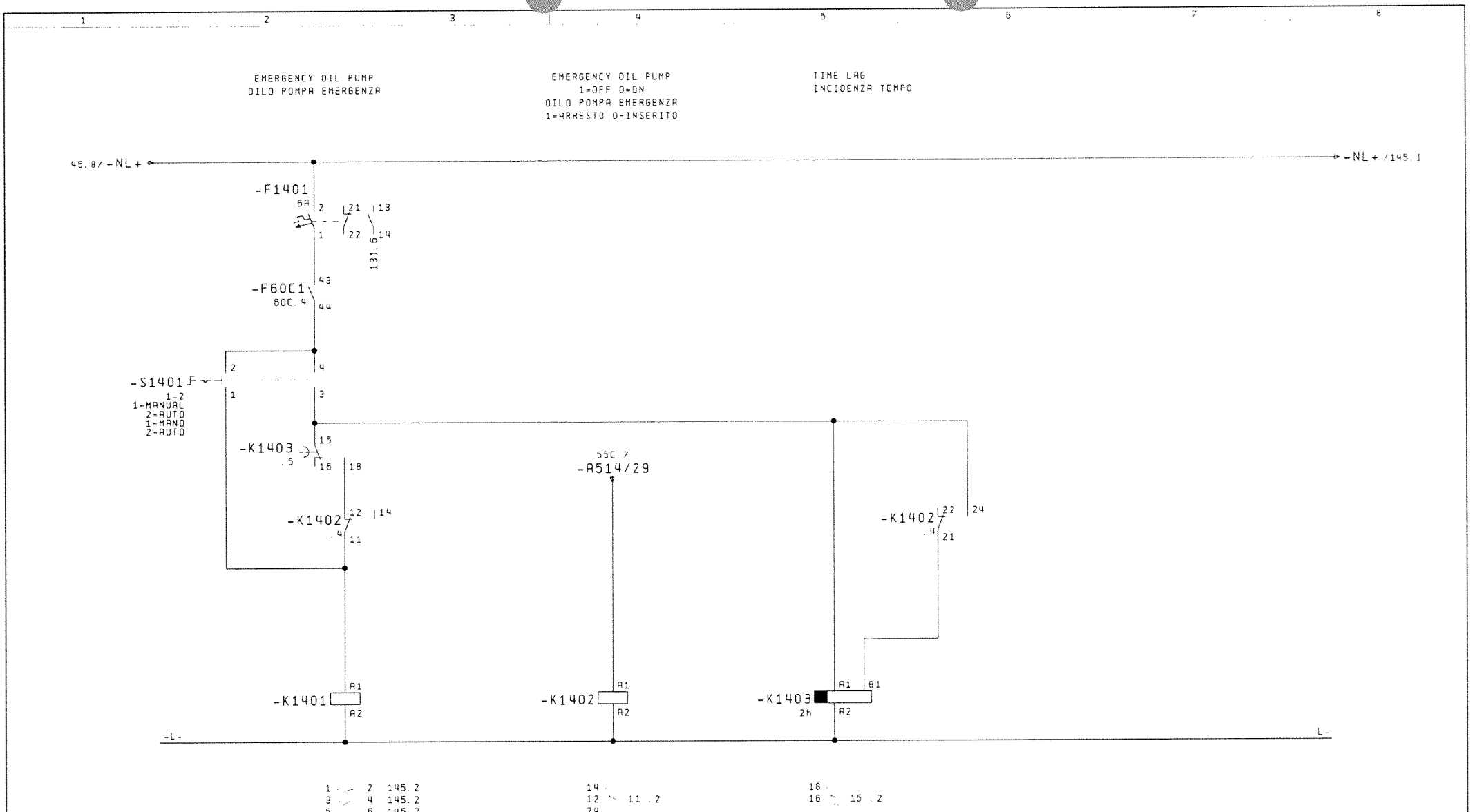
			date	30.11.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	AUXILIARY OIL PUMP AUSILIARE OILO POMPA	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.					TUNPM-10626-L300F	pg. 135 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		



135

140

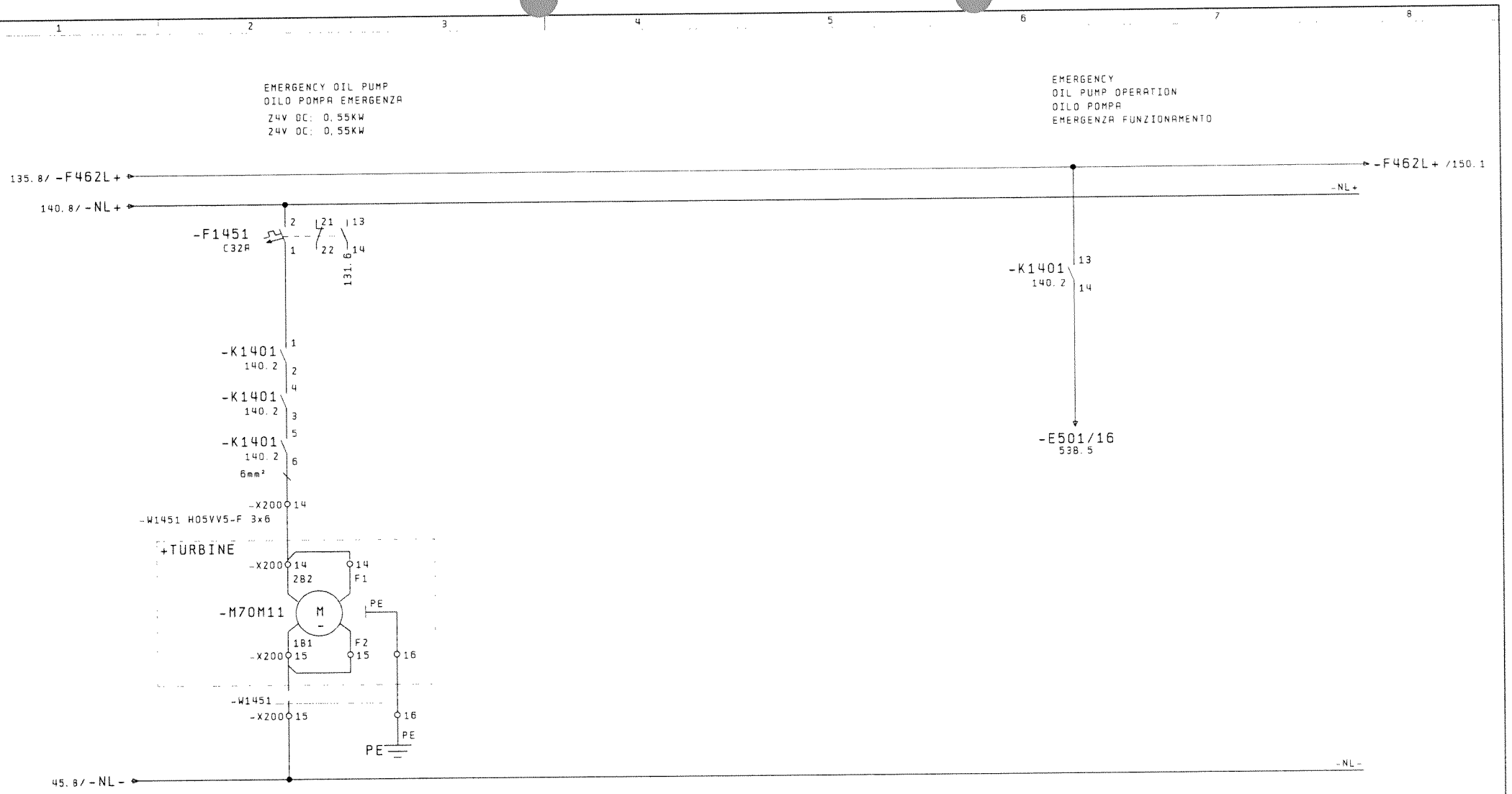
			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	STOP VALVE VALVOLA FERMO	14240/067	-TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg 136
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.



136

145

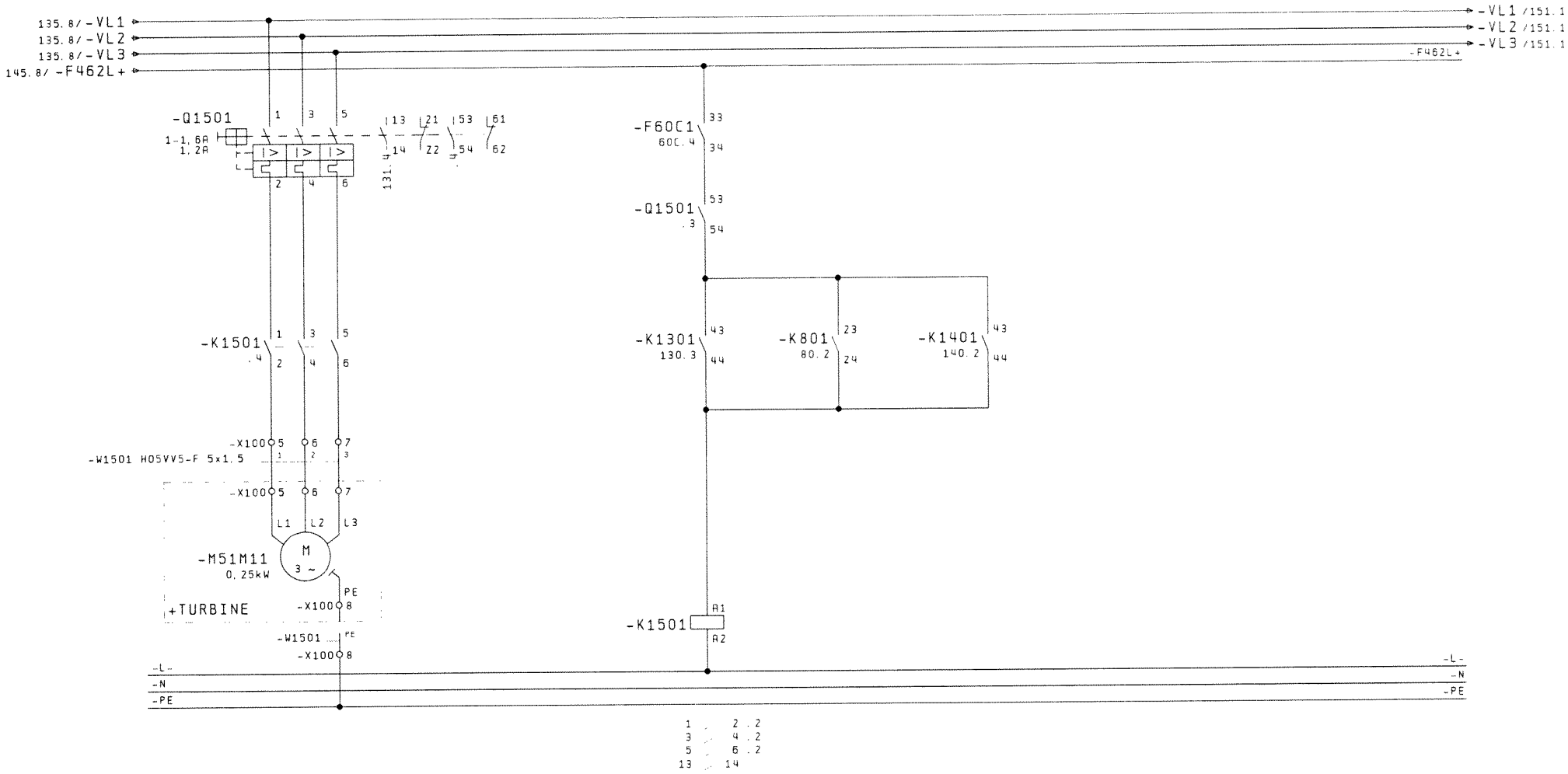
			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	EMERGENCY OIL PUMP CONTROL OILO POMPA EMERGENZA COMANDO	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.						
modific.	date	name	stand.		origin.	sub. f.	sub.	TUNPM-10626-L300F	pg. 140 / 508 pg.



140 150

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	EMERGENCY OIL PUMP 24V DC OILO POMPA EMERGENZA 24V DC	14240/067	=TU +TU	
			drawn	KOL / SEP						
			check.					TUNPM-10626-L300F	pg. 145	
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.	

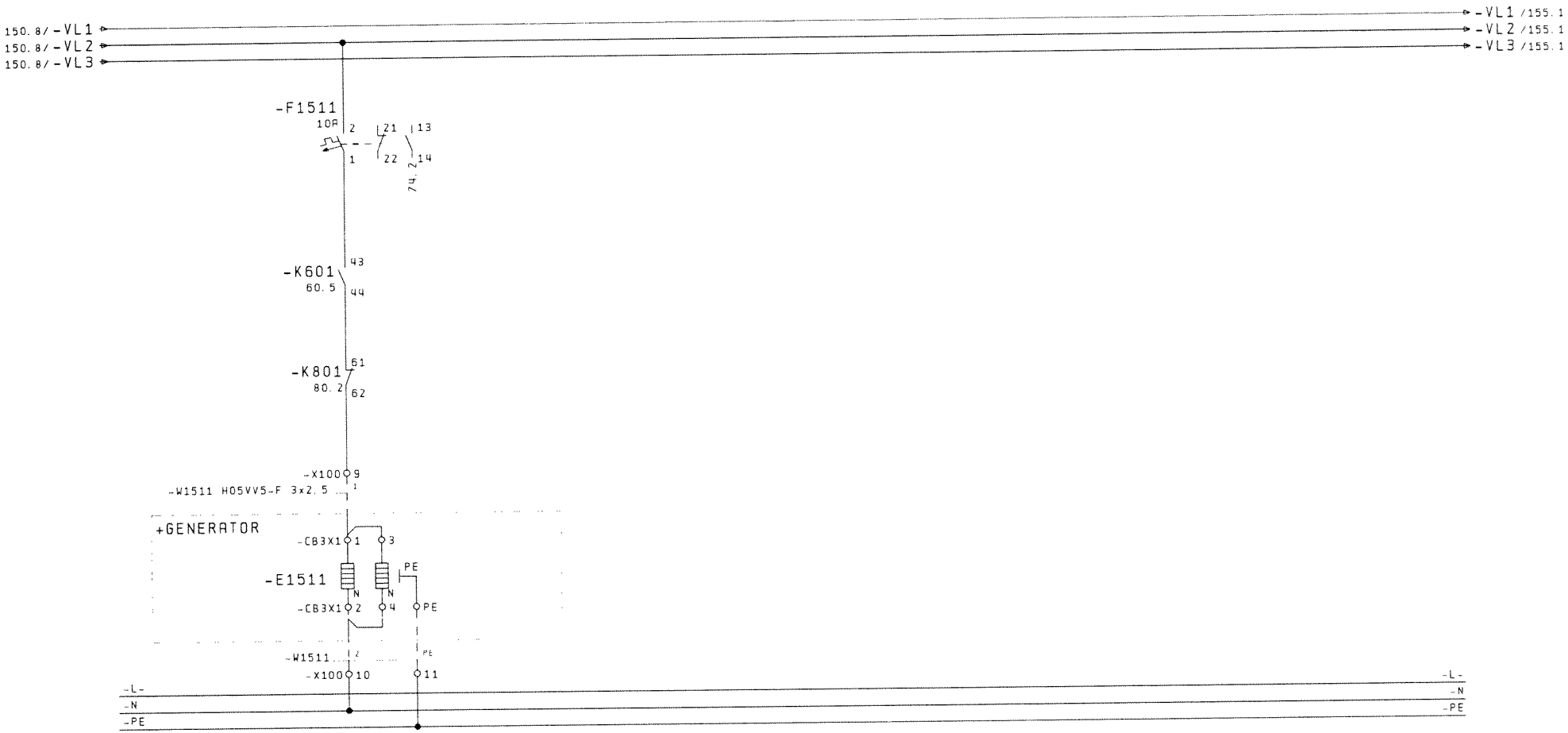
OIL MIST FILTER FAN
OLIO SPRUZZO SEPARATORE
400V; 0.25kW



145 151

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONELE ENERGIE SYSTEME	OIL MIST FILTER FAN OLIO SPRUZZO SEPARATORE	14240/067	=TU +TU	
			drawn	KOL / SEP						
			check.					TUNPM-10626-L300F	pg. 150	
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.	

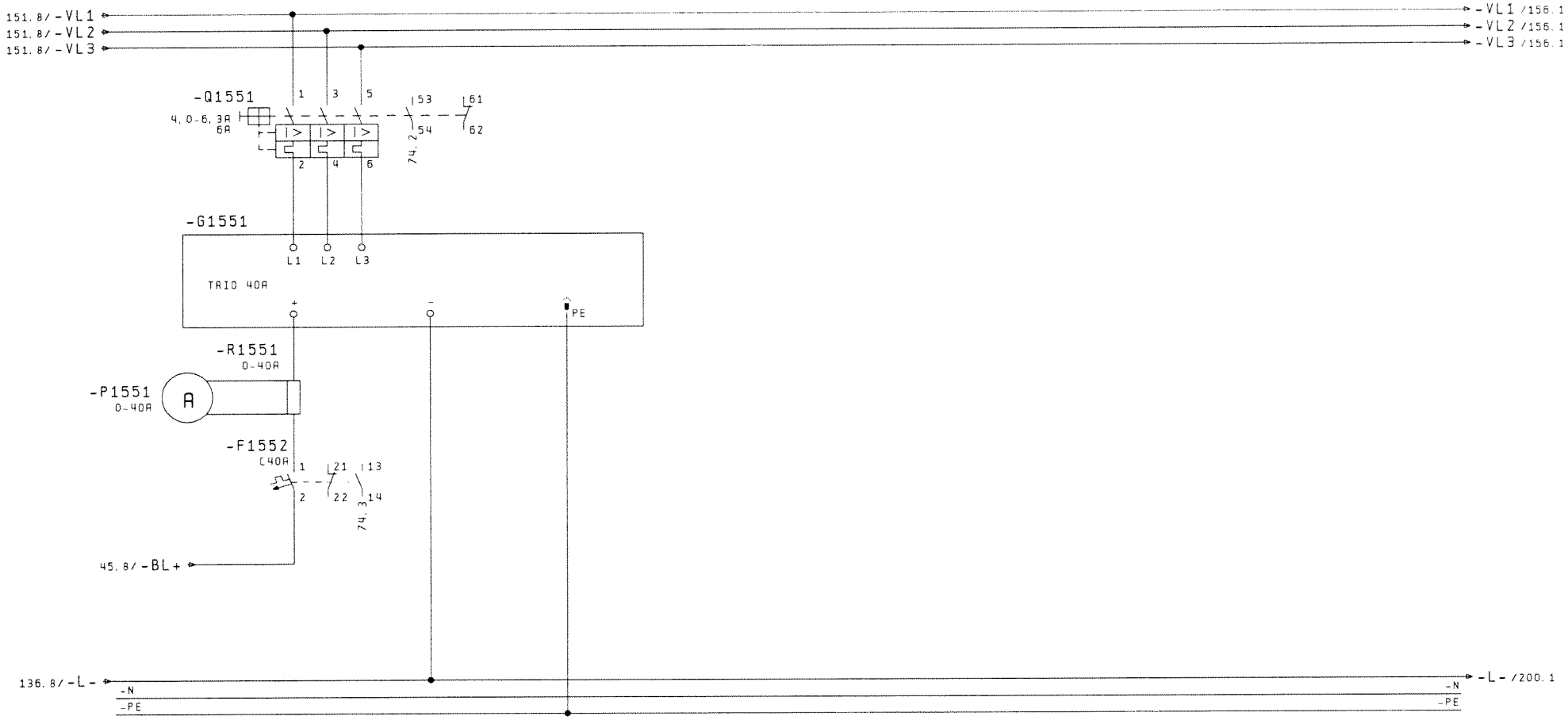
ALTERNATOR HEATING
ALTERNATORE RISCALDATORI
230V 2x600W



150 155

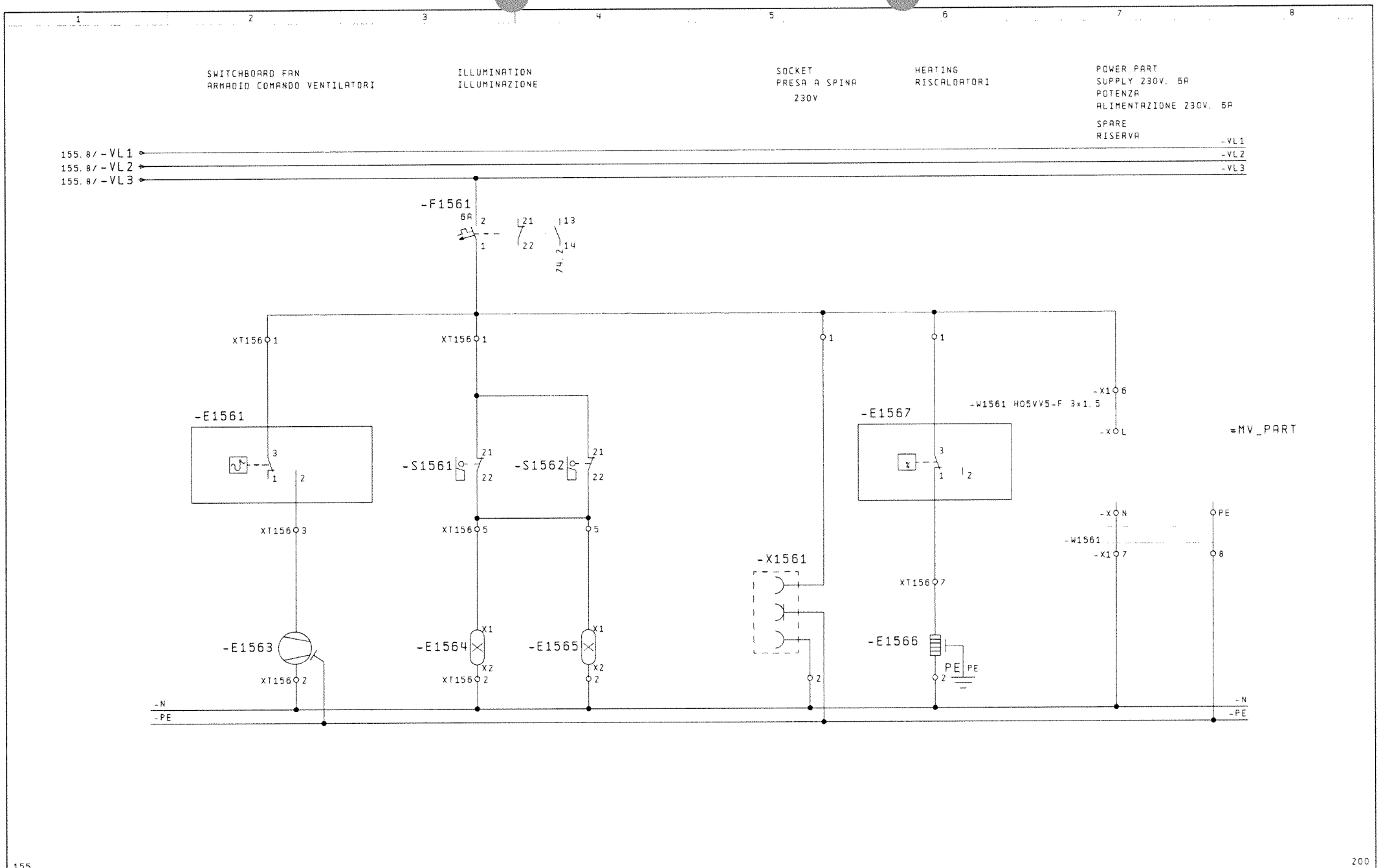
			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	GENERATOR HEATING ALTERNATORE RISCALDATORI	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.					TUNPM-10626-L300F	pg. 151 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		

BATTERY CHARGER
L'APPARECCHIO CARICA DELLE BATTERIE



151 156

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	BATTERY CHARGER L'APPARECCHIO CARICA DELLE BATTERIE	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 155
modific.	date	name	stand.		origin.	sub. f.	sub.		508 pg.



			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONELLE ENERGIE SYSTEME	SWITCHBOARD ILLUMINATION ARMADIO COMANDO ILLUMINAZIONE	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 156 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		

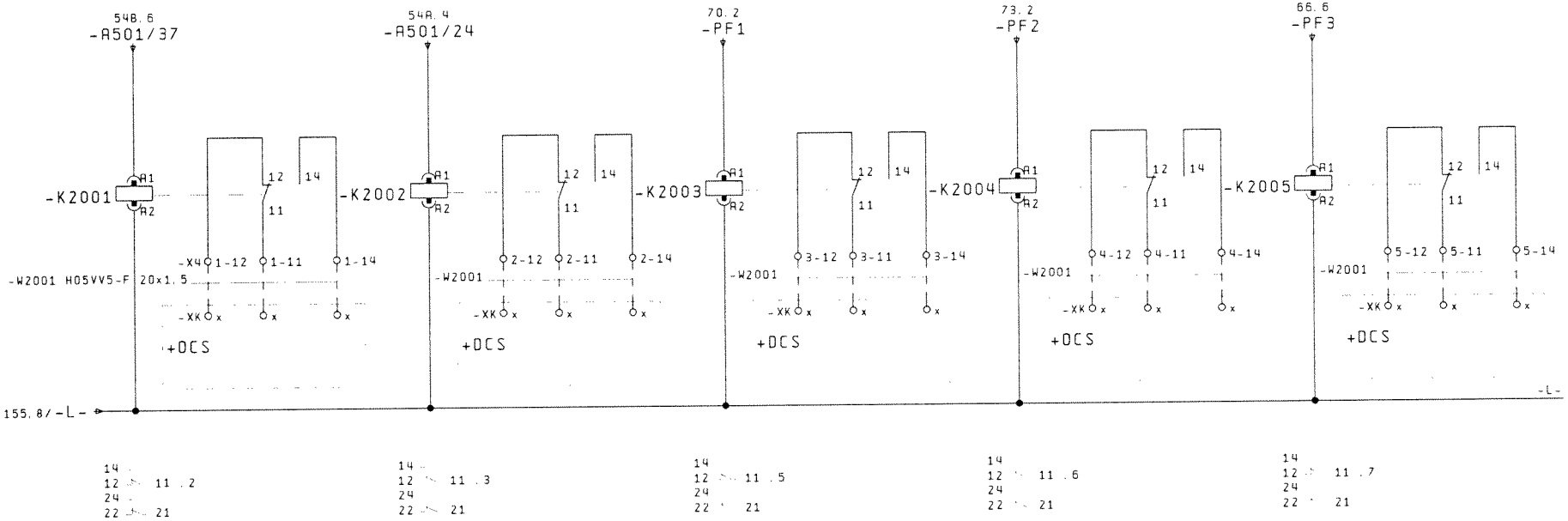
TURBINE OPERATION
TURBINA FUNZIONAMENTO

COLLECTIVE FAULT
ALLARME COLLETTRICE
WARNING
PERICOLO

COLLECTIVE
FAULT STOP
ALLARME COLLETTRICE
FERMO

BATTERY
UNDERVOLTAGE
BATTERIA
TENSIONE INSUFFICIENTE

GEN C.B. ON
GEN P.I. INSERITO



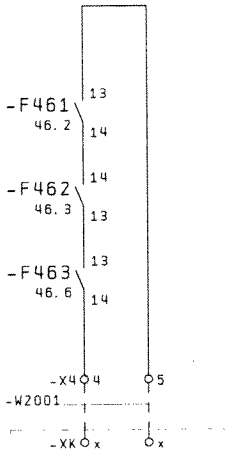
D C S = REMOTE CONTROL ROOM
D C S = DISTANZA COMANDO VANO

156

201

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	VOLTAGE FREE SIGNALS POT. LIBERALE AVVISATORE	14240/067	=TU +TU
			drawn	KOL / SEL					
			check.					TUNPM-10626-L300F	pg. 200 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.		

CONTROL FUSE DROP
COMANDO FUSIBLE DISTURBO



+DCS

D C S = REMOTE CONTROL ROOM
D C S = DISTANZA COMANDO VANO

200 300

			date	03.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	VOLTAGE FREE SIGNALS POT. LIBERALE AVVISATORE	14240/067	+TU +TU	
			drawn	KOL / SEL						
			check.					TUNPM-10626-L300F		pg 201 / 508 pg.
modific.	date	name	stand.		origin.	sub. f.	sub.			

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	W201	H05VV5-F	5x16mm²
2	-W1561	H05VV5-F	3x1.5mm²
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X1

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE.PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
VOLTAGE CONSUMER	x										/20.1	=LVpart-X	L1		1	-Q201	1			
400/230V, 50CY	x										/20.1	=LVpart-X	L2		2	-Q201	3			
50A PREFUSED	x										/20.2	=LVpart-X	L3		3	-Q201	5			
=	x										/20.2	=LVpart-X	N		4	-N				
PE	x										/20.2	=LVpart-X	PE		5	-PE				
SPARE		x									/156.7	=MV_PART-X	L		6	XT156	1			
=		x									/156.7	=MV_PART-X	N		7	XT156	2			
=		x									/156.8	=MV_PART-X	PE		8	-X1561				

201 301

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X1	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.					TUNPM-10626-L300F	pg. 300
modific.	date	name	stand.	18.12.07	origin. / sub. f.	sub.			508 pg.

A	KABELBEZEICHNUNG KABELTYP CABLE DESIGNATION CABLE TYPE	ADERN CORES
1	-W171 H05VV5-F	10x1.5mm²
2		
3		
4		
5		
6		
7		
8		
9		
10		

B	KABELBEZEICHNUNG KABELTYP CABLE DESIGNATION CABLE TYPE	ADERN CORES
1		
2		
3		

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X2

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE.PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
MAINS C.B. ON	x										/17.2	=MV_PART+MainsCB-X	x		1	-K672	22			
=	x										/17.3	=MV_PART+MainsCB-X	x		2	-X6	8			
MAINS C.B. OFF	x										/17.3	=MV_PART+MainsCB-X	x		3	-K672	13			
=	x										/17.4	=MV_PART+MainsCB-X	x		4	-K672	14			
PE											/17.5				5	-PE	PE			
REMOTE INDICATION ON	x										/17.5	=MV_PART+MainsCB-X	x		6	-F472	1			
=	x										/17.5	=MV_PART+MainsCB-X	x		7	-K673	A1			
REMOTE INDICATION OFF	x										/17.6	=MV_PART+MainsCB-X	x		8	-K661	14			
INTERLOCK	x										/17.6	=MV_PART+MainsCB-X	x		9	-K655	14			
MAINS C.B. OFF											/17.4				20	-X2	4			
=											/17.4				21	-K361	32			
=											/17.5				PE					

300 302

modific.	date	name				
			date	18.12.07	DRESSER-RAND NAOROWSKI 21124 EUROPOWER, ITALIEN	
			drawn	KOL / SEP		
			check.			
			stand.	18.12.07	origin.	sub. f.

MULTIFUNKTIONALE ENERGIE SYSTEME

sub.

=TU+TU-X2

14240/067

=TU
+TU

TUNPM-10626-L300F

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W1271	H05VV5-F	7x1.5mm²
2	-W1281	H05VVC4V5-K	4x0.75mm²
3	-W1282	H05VV5-F	7x1.5mm²
4	-W1272	H05VV5-F	3x2.5mm²
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			wh
2			bn
3			gn

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X3

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE .PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
SYN. VOLTAGE 100V	x										/127.2	+GENERATOR-CB2X2	12		1	-K655	54			
=	x										/127.2	+GENERATOR-CB2X2	13		2	-K655	64			
PE	x										/127.3	+GENERATOR-CB2X2	PE		3	-PE				
VOLTAGE REGULATOR ON	x										/127.3	+GENERATOR-CB2X2	25		4	-K655	44			
=	x										/127.3	+GENERATOR-CB2X2	26		5	-K655	43			
=											/127.4				6	-PE				
GEN VOLTAGE		x									/128.2	+GENERATOR-CB2X2	18		7	-S1281	1	x		
=		x									/128.2	+GENERATOR-CB2X2	20		8	-S1281	3		x	
VOLTAGE ADJUSTOR		x									/128.2	+GENERATOR-CB2X2	19		9	-S1281	2/4			x
SCREEN		x									/128.3	-W1281	SCREEN		10	SCREEN				
SIGNAL PARALLEL OPERATION			x								/128.3	+GENERATOR-CB2X2	14		11	-K643	11			
POWER FACTOR REGULATOR			x								/128.3	+GENERATOR-CB2X2	15		12	-K643	12			
=											/128.4				13	-PE				
DE EXCITATION											/128.4				14	-K641	14			
=											/128.5				15	-K641	13			
=											/128.5				16	-K641	44			
=											/128.6				17	-K641	43			
POWER FACTOR REGULATOR											/128.6				18	-R1282	1	x		
=											/128.7				19	-R1282	2		x	
=											/128.7				20	-R1282	3			x
SCREEN											/128.7				21	SCREEN				
POWER FACTOR REGULATOR											/128.8				22	-PE				
VOLTAGES SUPPLY 230V, 50CY				x							/127.5	+GENERATOR-CB2X2	3		23	-F1271	1			
=				x							/127.5	+GENERATOR-CB2X2	4		24	-N				
PE				x							/127.5	+GENERATOR-CB2X2	4/PE		25	-PE				

301 303

modific.	date	name				
			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME
			drawn	KOL / SEP		
			check.			
			stand.	18.12.07	origin.	sub. f.

sub.

=TU+TU-X3

14240/067

=TU
+TU

TUNPM-10626-L300F

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W2001	H05VV5-F	20x1.5mm²
2			
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X4

FUNKTIONSTEXTE/FUNCTION	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	/SEITE.PFAD /PAGE .PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	B 2	B 3
CONTROL FUSE DROP	x										/201.2	+DCS-XK	x		4	-F463	14			
=	x										/201.2	+DCS-XK	x		5	-F461	13			
TURBINE OPERATION	x										/200.2	+DCS-XK	x		1-12	-K2001	12			
=	x										/200.2	+DCS-XK	x		1-11	-K2001	11			
=	x										/200.2	+DCS-XK	x		1-14	-K2001	14			
COLLECTIVE FAULT	x										/200.3	+DCS-XK	x		2-12	-K2002	12			
WARNING	x										/200.3	+DCS-XK	x		2-11	-K2002	11			
=	x										/200.4	+DCS-XK	x		2-14	-K2002	14			
COLLECTIVE FAULT STOP	x										/200.4	+DCS-XK	x		3-12	-K2003	12			
=	x										/200.5	+DCS-XK	x		3-11	-K2003	11			
=	x										/200.5	+DCS-XK	x		3-14	-K2003	14			
BATTERY UNDERVOLTAGE	x										/200.6	+DCS-XK	x		4-12	-K2004	12			
=	x										/200.6	+DCS-XK	x		4-11	-K2004	11			
=	x										/200.6	+DCS-XK	x		4-14	-K2004	14			
GEN C.B. ON	x										/200.7	+DCS-XK	x		5-12	-K2005	12			
=	x										/200.7	+DCS-XK	x		5-11	-K2005	11			
=	x										/200.8	+DCS-XK	x		5-14	-K2005	14			

302 304

modific.	date	name				
			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME
			drawn	KDL / SEP		
			check.			
			stand.	18.12.07	origin.	sub. f. / sub.

=TU+TU-X4

14240/067

=TU
+TU

TUNPM-10626-L300F

pg. 303
508 pg.

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	W202	H05VV5-F	5x1.5mm²
2	W221	H05VV5-F	5x2.5mm²
3	W204	H05VV5-F	3x1.5mm²
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X5

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10
VOLTAGE GENERATOR	x									
50Hz, 3,3kV/100V	x									
6A PREFUSED	x									
=										
PE	x									
MAINS VOLTAGE		x								
20 kV/100V, 50Hz		x								
6A PREFUSED		x								
=										
PE		x								
GENERATOR e_n VOLTAGE e_n			x							
3,3kV / 0,1kV : √3/			x							
PE			x							
BUSBAR VOLTAGE										
3,3kV/100V, 50Hz										
6A PREFUSED										
=										
PE										

/SEITE.PFAD /PAGE .PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
/20.3	=QMT02+TVG-X	L1		1	-Q202	1			
/20.3	=QMT02+TVG-X	L2		2	-Q202	3			
/20.4	=QMT02+TVG-X	L3		3	-Q202	5			
/20.4				4					
/20.4	=QMT02+TVG-X	PE		5	-PE				
/22.2	=QMT01+MAINS_VT-XK	L1		6	-Q221	1			
/22.2	=QMT01+MAINS_VT-XK	L2		7	-Q221	3			
/22.3	=QMT01+MAINS_VT-XK	L3		8	-Q221	5			
/22.3				9					
/22.3	=QMT01+MAINS_VT-XK	PE		10	-PE				
/20.7	=QMT02+TV1-X	e		11	-F331	Ue			
/20.7	=QMT02+TV1-X	n		12	-F331	Un			
/20.7	=QMT02+TV1-X	PE		13	-PE				
/22.5	=QMT02+TV1-X	L1		14	-Q222	1			
/22.5	=QMT02+TV1-X	L2		15	-Q222	3			
/22.5	=QMT02+TV1-X	L3		16	-Q222	5			
/22.5				17					
/22.6	=QMT02+TV1-X	PE		18	-PE	PE			

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W161	H05VV5-F	7x1.5mm²
2	-W16A1	H05VV5-F	10x1.5mm²
3	-W16A2	H05VV5-F	3x1.5mm²
4			
5			
6			
7			
8			
9			
10			

B

1
2
3

KABELBEZEICHNUNG CABLE DESIGNATION | KABELTYP CABLE TYPE | ADERN CORES

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X6

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE .PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
SPARE	x										/16.2	=MV_PART+GenC.B-X	x		1					
CIRCUIT BREAKER ON	x										/16.2	=MV_PART+GenC.B-X	L+		2	-K662	14			
=	x										/16.3	=MV_PART+GenC.B-X	S		3	-K655	14			
PE	x										/16.2	=MV_PART+GenC.B-X	PE		4	-PE	PE			
CIRCUIT BREAKER OFF	x										/16.4	=MV_PART+GenC.B-X	S		5	-K662	22			
=	x										/16.5	=MV_PART+GenC.B-X	L+		6	-K642	13			
INTERLOCK		x									/16A.2	=MV_PART+GenC.B-X31	45		7	-K671	14			
=		x									/16A.3	=MV_PART+GenC.B-X31	46		8	-X2	2			
REMOTE INDICATION ON		x									/16A.3	=MV_PART+GenC.B-X31	47		9	-F472	1			
=		x									/16A.4	=MV_PART+GenC.B-X31	48		10	-K663	A1			
REMOTE INDICATION OFF		x									/16A.4	=MV_PART+GenC.B-X31	66		11	-F472	1			
=		x									/16A.5	=MV_PART+GenC.B-X31	67		12					
EARTHING SWITCH OFF		x									/16A.5	=MV_PART+GenC.B-X31	62		13	-F472	1			
=		x									/16A.6	=MV_PART+GenC.B-X31	63		14	-A515	39_1			
SPARE			x								/16A.6	=MV_PART+SPARE-X31	64		15	-F472	1			
=			x								/16A.7	=MV_PART+SPARE-X31	65		16	-A515	27_1			
CIRCUIT BREAKER OFF											/16.5				20	-K662	22			
=											/16.5				21	-K361	22			
=											/16.5				PE					

304 306

modific.	date	name					
			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X6
			drawn	KOL / SEP			
			check.				
			stand.	18.12.07	origin.	sub. f.	sub.

14240/067

=TU
+TU

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pg. 305
508 pg.

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	W203	H05VV5-F	7x2.5mm²
2	W212	H05VV5-F	7x2.5mm²
3	W213	H05VV5-F	7x2.5mm²
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X7

FUNKTIONSTEXTE/FUNCTION	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	/SEITE.PFAD /PAGE.PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	B 2	B 3
CURRENT GENERATOR	x										/20.5	=GENERATOR+MCT-CB2X1	2		1	-P243	-1			
700/5A; 1FS5; 15VA	x										/20.5	=GENERATOR+MCT-CB2X1	1		2	-P243	-2			
MEASURING	x										/20.5	=GENERATOR+MCT-CB2X1	8		3	-P244	-1			
=	x										/20.6	=GENERATOR+MCT-CB2X1	7		4	-P244	-2			
=	x										/20.6	=GENERATOR+MCT-CB2X1	14		5	-P245	-1			
=	x										/20.6	=GENERATOR+MCT-CB2X1	13		6	-P245	-2			
PE	x										/20.6	=GENERATOR+MCT-CB2X1	PE		7	-PE				
CURRENT GENERATOR STARPOINT		x									/21.4	=GENERATOR+DCT-CB2X1	4		8	-F321	34			
700/5A; 5P10		x									/21.4	=GENERATOR+DCT-CB2X1	3		9	-F321	35			
DIFF PROTECTION		x									/21.5	=GENERATOR+DCT-CB2X1	10		10	-F321	37			
=		x									/21.5	=GENERATOR+DCT-CB2X1	9		11	-F321	38			
=		x									/21.5	=GENERATOR+DCT-CB2X1	16		12	-F321	40			
=		x									/21.5	=GENERATOR+DCT-CB2X1	15		13	-F321	41			
PE		x									/21.5	=GENERATOR+DCT-CB2X1	PE		14	-PE	PE			
CURRENT GENERATOR STARPOINT			x								/21.6	=GENERATOR+PCT-XS	6		15	-F281	24			
700/5A; 5P10			x								/21.7	=GENERATOR+PCT-XS	5		16	XT33	5			
PROTECTION			x								/21.7	=GENERATOR+PCT-XS	12		17	-F281	27			
=			x								/21.7	=GENERATOR+PCT-XS	11		18	XT33	6			
=			x								/21.7	=GENERATOR+PCT-XS	18		19	-F281	30			
=			x								/21.7	=GENERATOR+PCT-XS	17		20	XT33	7			
PE			x								/21.8	=GENERATOR+PCT-XS	PE		21	-PE	PE			

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	W211	H05VV5-F	7x2.5mm²
2			
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X8

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE . PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
CURRENT GENERATOR	x										/21.2	=QMT02+DCT-XK	11		1	-F321	24			
700/5A; 5P10	x										/21.2	=QMT02+DCT-XK	k1		2	-F321	25			
DIFF.PROTECTION	x										/21.2	=QMT02+DCT-XK	12		3	-F321	27			
=	x										/21.2	=QMT02+DCT-XK	k2		4	-F321	28			
=	x										/21.3	=QMT02+DCT-XK	13		5	-F321	30			
=	x										/21.3	=QMT02+DCT-XK	k3		6	-F321	31			
PE	x										/21.3	=QMT02+DCT-XK	PE		7	-PE	PE			

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X8	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.					TUNPM-10626-L300F	pg. 307
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.		508 pg.

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W371	H05VV5-F	3x1.5mm²
2	-W372	H05VV5-F	3x1.5mm²
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X13

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE.PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
EARTH FAULT 59V0	x										/37.5	=EXTERNAL-2X1	9		1	-F464L+				
=	x										/37.5	=EXTERNAL-2X1	10		2	-K372	A1			
=											/37.5				3	-PE	PE			
MAINS PROTECTION D V 601		x									/37.7	=EXTERNAL-X	x		4	-X38	5			
=		x									/37.7	=EXTERNAL-X	x		5	-K371	A1			
=											/37.7				6	-PE	PE			

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X13	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.						
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F	pg. 308 / 508 pg.

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	W601	H05VV5-F	5x1.5mm²
2	W602	H05VV5-F	3x1.5mm²
3	-W1001	H05VV5-F	18x1.5mm²
4	W891	H05VV5-F	5x2.5mm²
5	-W1301	H05VV5-F	3x1.5mm²
6	W603	H05VV5-F	3x1.5mm²
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X30

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
QUICK STOP	x										/60.2	+TURBINE-X30	1		1	-X462	+			
=	x										/60.2	+TURBINE-X30	2		2	-X30	3			
=		x									/60.3	+SPARE1-XK	x		3	-X30	2			
=		x									/60.3	+SPARE1-XK	x		4	-S601	11			
SPARE 1			x								/100.3	+TURBINE-X3	5		5	-X30	11			
=			x								/100.3	+TURBINE-X3	6		6	-A515	28_1			
SPARE 2			x								/101.2	+TURBINE-X30	11		11	-X30	5			
=			x								/101.2	+TURBINE-X30	12		12	-K961	A2			
=			x								/101.3	+TURBINE-X30	13		13	-K1012	A1			
PE											/101.3	+TURBINE-X30	14		14	-PE	PE			
LIMIT SWITCH QASV OPEN			x								/101.4	+TURBINE-X30	15		15	-X30	11			
=			x								/101.4	+TURBINE-X30	16		16	-K1012	A2			
=			x								/101.5	+TURBINE-X30	17		17	-K1011	A1			
PE			x								/101.5	+TURBINE-X30	18		18	-PE	PE			
CONTROL VALVE HP				x							/89.2	+TURBINE-X30	19		19	-K801	54			
=				x							/89.2	+TURBINE-X30	20		20	-K801	43			
4-20MA				x							/89.5	+TURBINE-X30	21		21	-K801	44			
=				x							/89.5	+TURBINE-X30	22		22	-K801	84			
PRESSURE SWITCH					x						/130.4	+TURBINE-X30	23		23	-A851.	37			
=					x						/130.4	+TURBINE-X30	24		24	-K1302	13			
PE					x						/130.4	+TURBINE-X30	25		25	-PE	PE			
EMERGENCY STOP	x										/60.7	+TURBINE-X30	50		50	-S602	12			
=	x										/60.7	+TURBINE-X30	51		51	-X30	52			
=						x					/60.7	+SPARE2-X30	52		52	-X30	51			
=						x					/60.7	+SPARE2-X30	53		53	-F60B1	Y12			

308 310

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X30	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.					TUNPM-10626-L300F	pg. 309
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.		508 pg.

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	W861	H05VVC4V5-K	2x1.5mm²
2	W862	H05VVC4V5-K	2x1.5mm²
3	W863	H05VVC4V5-K	2x1.5mm²
4	W892	H05VVC4V5-K	2x1.5mm²
5	-W911	H05VVC4V5-F	4x0.75mm²
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			wh
2			bn
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X40

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10
PICK UP A	x									
=	x									
SCREEN										
PICK UP B		x								
=		x								
SCREEN										
SPEED			x							
=			x							
SCREEN										
CONTROL SIGNAL HP				x						
4-20MA				x						
SCREEN										
LIVE STEAM PRESSURE					x					
0 - 60 barg / 4-20mA					x					
=					x					
=										
SCREEN										
0 - 60 barg / 4-20mA										
=										

/SEITE. PFAD /PAGE . PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
/86. 2	+TURBINE-X40	1		1	-A851	82	x		
/86. 2	+TURBINE-X40	2		2	-A851	83		x	
/86. 2	+TURBINE-X40	3		3	SCREEN				
/86. 3	+TURBINE-X40	4		4	-A851	94	x		
/86. 3	+TURBINE-X40	5		5	-A851	95		x	
/86. 4	+TURBINE-X40	6		6	SCREEN				
/86. 4	+TURBINE-X40	7		7	XT86	6			
/86. 5	+TURBINE-X40	8		8	XT86	2			
/86. 5	+TURBINE-X40	9		9	SCREEN				
/89. 3	+TURBINE-X40	10		10	-U901	7			
/89. 4	+TURBINE-X40	11		11	-U901	8			
/89. 4	+TURBINE-X40	12		12	-PE	PE			
/91. 2	+TURBINE-X40	14		14	-U901	10			
/91. 3	+TURBINE-X40	15		15	-A851	71			
/91. 3	+TURBINE-X40	16		16	-2X21	35			
/91. 3				17	-U901	12			
/91. 3	SCREEN			18	-PE	PE			
/91. 4				19	-A851	72			
/91. 4				19	-2X21	34			

309 311

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EURDPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X40	14240/067
			drawn	KOL / SEP				
			check.					
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F

=TU
+TU

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W961	H05VVC4V5-F	4x0.75mm²
2	-W962	H05VVC4V5-F	4x0.75mm²
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X44

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE.PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
SPEED PICK UP 1	x										/96.3	+TURBINE-X44	1		1	-U961	4			
=	x										/96.3	+TURBINE-X44	2		2	-U961	5			
=	x										/96.3	+TURBINE-X44	3		3	-U961	6			
=											/96.3	SCREEN			4	SCREEN				
=											/96.3				PE	-PE	PE			
=		x									/96.4	+TURBINE-X44	5		5	-U961	1			
=		x									/96.4	+TURBINE-X44	6		6	-U961	2			
SPEED PICK UP 2		x									/96.4	+TURBINE-X44	7		7	-U961	3			
=											/96.4	SCREEN			8	SCREEN				
=											/96.4				PE	-PE	PE			

310 312

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X44	14240/067
			drawn	KDL / SEP				
			check.					
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F

=TU
+TU

pg. 311
508 pg.

KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
-W1351	H05VV5-F	5x2.5mm²
-W1501	H05VV5-F	5x1.5mm²
-W1511	H05VV5-F	3x2.5mm²

KABELBEZEICHNUNG CABLE DESIGNATION | KABELTYP CABLE TYPE | ADERN CORES

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X100

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10
AUXILIARY OIL PUMP 11 kW	x									
=	x									
=	x									
PE	x									
OIL MIST FILTER FAN		x								
400V; 0,25kW		x								
=		x								
PE		x								
ALTERNATOR HEATING			x							
=			x							
PE			x							

/SEITE.PFAD /PAGE .PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION B 1 2 3
/135.2	+TURBINE-X100	1		1	-K1301	2
/135.2	+TURBINE-X100	2		2	-K1301	4
/135.2	+TURBINE-X100	3		3	-K1301	6
/135.2	+TURBINE-X100	PE		4	-PE	
/150.2	+TURBINE-X100	5		5	-K1501	2
/150.2	+TURBINE-X100	6		6	-K1501	4
/150.2	+TURBINE-X100	7		7	-K1501	6
/150.2	+TURBINE-X100	8		8	-PE	
/151.2	+GENERATOR-CB3X1	1		9	-K801	62
/151.2	+GENERATOR-CB3X1	2		10	-N	
/151.3	+GENERATOR-CB3X1	PE		11	-PE	

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W451	NSGAFOEU	1x25mm²
2	-W452	NSGAFOEU	1x25mm²
3	-W453	NSGAFOEU	1x2.5mm²
4	-W1361	H05VV5-F	7x2.5mm²
5	-W1451	H05VV5-F	3x6mm²
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			6mm²
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X200

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE.PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
24V DC	x										/45.6	-G451	+		1	-F451	1			
=											/45.7				1	-F1552	2			
=											/45.7				1	-F1401	2			
=											/45.7				1	-F452				
=		x									/45.6	-G452	-		2	-A391	30			
=											/45.6	-F732	3		2					
=											/45.7	-NL-			2					
=											/45.7	-PE	PE		3					
=			x								/45.7	-G451	-		4	-F453				
STOP VALVE 1				x							/136.2	+TURBINE-X200	5		5	-K801	34			
=				x							/136.2	+TURBINE-X200	6		6	-K1303	A2			
PE				x							/136.3	+TURBINE-X200	7		7	-PE				
STOP VALVE 2				x							/136.4	+TURBINE-X200	8		8	-K801	14			
=				x							/136.4	+TURBINE-X200	9		9	-X200	6			
PE											/136.4				10	-PE				
SEAL STEAM VALVE				x							/136.5	+TURBINE-X200	11		11	-K814	14			
=				x							/136.5	+TURBINE-X200	12		12	-X200	9			
PE											/136.5				13	-PE				
EMERGENCY OIL PUMP					x						/145.2	+TURBINE-X200	14		14	-K1401	6	x		
=					x						/145.2	+TURBINE-X200	15		15	-X200	2			
PE					x						/145.3	+TURBINE-X200	16		16	-PE	PE			

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W511	6XV1830-0EH10	2x0.64mm²
2			
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-XBUS

FUNKTIONSTEXTE/FUNCTION	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	/SEITE.PFAD /PAGE PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	B 2	B 3
BUSSYSTEM PROFIBUS-DP	x										/51.6	+DDC-X	x		1					

313

315

modific.	date	name			
			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN
			drawn	KOL / SEP	
			check.		
			stand.	18.12.07	origin. / sub. f.

MULTIFUNKTIONALE ENERGIE SYSTEME

sub.

=TU+TU-XBUS

14240/067

=TU
+TU

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KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
-W1061	H05VVC4V5-F	18x0.75mm²
-W1071	H05VVC4V5-F	18x0.75mm²

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-1X21

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE . PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME
OIL TEMPERATURE	x										/106. 2	+TURBINE-X40	34		1
0-100•C/4-20mA	x										/106. 2	+TURBINE-X40	35		2
=	x										/106. 2	+TURBINE-X40	36		3
=											/106. 3				4
LUB OIL PRESSURE	x										/106. 3	+TURBINE-X40	38		5
0-4barg / 4-20mA	x										/106. 3	+TURBINE-X40	39		6
=	x										/106. 4	+TURBINE-X40	40		7
=											/106. 4				8
SPARE 1	x										/106. 4	+TURBINE-X40	42		9
=	x										/106. 5	+TURBINE-X40	43		10
=	x										/106. 5	+TURBINE-X40	44		11
=											/106. 5				12
CONTROL OIL PRESSURE	x										/106. 6	+TURBINE-X40	46		13
0-16barg / 4-20mA	x										/106. 6	+TURBINE-X40	47		14
=	x										/106. 6	+TURBINE-X40	48		15
=											/106. 6				16
GEAR BEARING TEMPERATURE 1	x										/107. 2	+TURBINE-X40	50		17
0-100•C											/107. 2				18
=	x										/107. 3	+TURBINE-X40	52		19
=	x										/107. 3	+TURBINE-X40	53		20
GEAR BEARING TEMPERATURE 2		x									/107. 3	+TURBINE-X40	54		21
0-100•C											/107. 4				22
=		x									/107. 4	+TURBINE-X40	56		23
=		x									/107. 4	+TURBINE-X40	57		24
GEAR BEARING TEMPERATURE 3		x									/107. 5	+TURBINE-X40	58		25
0-100•C											/107. 5				26
=		x									/107. 5	+TURBINE-X40	60		27
=		x									/107. 5	+TURBINE-X40	61		28
GEAR BEARING TEMPERATURE 4		x									/107. 6	+TURBINE-X40	62		29
0-100•C											/107. 6				30
=		x									/107. 6	+TURBINE-X40	64		31
=		x									/107. 7	+TURBINE-X40	65		32
TURBINE BEARING TEMP 1		x									/108. 2	+TURBINE-X40	66		33
0-150•C											/108. 2				34
=		x									/108. 3	+TURBINE-X40	68		35

ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-1X21
			drawn	KOL / SEP			
			check.				
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.

14240/067

=TU
+TU

TUNPM-10626-L300F

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W1071	H05VVC4V5-F	18x0.75mm²
2	-W1081	H05VVC4V5-F	18x0.75mm²
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-1X21

FUNKTIONSTEXTE/FUNCTION	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	/SEITE.PFAD /PAGE.PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	B 2	B 3
0-150°C	x										/108.3	+TURBINE-X40	69		36					
TURBINE BEARING TEMP 2	x										/108.3	+TURBINE-X40	70		37					
0-150°C											/108.4				38					
=	x										/108.4	+TURBINE-X40	72		39					
=	x										/108.4	+TURBINE-X40	73		40					
GENERATOR BEARING TEMP I		x									/108.5	=GENERATOR-CB3X2	19		41					
0-150°C											/108.5				42					
=		x									/108.5	=GENERATOR-CB3X2	20		43					
=		x									/108.5	=GENERATOR-CB3X2	21		44					
GENERATOR BEARING TEMP II		x									/108.6	=GENERATOR-CB3X2	25		45					
0-150°C											/108.6				46					
=		x									/108.6	=GENERATOR-CB3X2	26		47					
=		x									/108.7	=GENERATOR-CB3X2	27		48					
GEN WINDING TEMP		x									/109.2	=GENERATOR-CB3X1	1		49					
L1 0-150°C											/109.2				50					
=		x									/109.3	=GENERATOR-CB3X1	2		51					
=		x									/109.3	=GENERATOR-CB3X1	3		52					
GEN WINDING TEMP		x									/109.3	=GENERATOR-CB3X1	7		53					
L2 0-150°C											/109.3				54					
=		x									/109.4	=GENERATOR-CB3X1	8		55					
=		x									/109.4	=GENERATOR-CB3X1	9		56					
GEN WINDING TEMP		x									/109.4	=GENERATOR-CB3X1	13		57					
L3 0-150°C											/109.5				58					
=		x									/109.5	=GENERATOR-CB3X1	14		59					
=		x									/109.5	=GENERATOR-CB3X1	15		60					
											/109.6				61					
											/109.6				62					
											/109.6				63					
											/109.6				64					

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-1X21	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.						
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F	pg. 315A 508 pg.

KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
-W1111	H05VVC4V5-F	18x0.75mm²
-W1121	H05VVC4V5-F	18x0.75mm²

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-2X21

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
- SPARE -	x										/111.2	+TURBINE-X41	34		1					
=											/111.2				2					
=	x										/111.3	+TURBINE-X41	35		3					
=	x										/111.3	+TURBINE-X41	36		4					
TURBINE EXHAUST STEAM TEMP	x										/111.3	+TURBINE-X41	38		5					
0-100°C											/111.4				6					
=	x										/111.4	+TURBINE-X41	39		7					
=	x										/111.4	+TURBINE-X41	40		8					
SPARE	x										/111.5	+TURBINE-X41	42		9					
=											/111.5				10					
=	x										/111.5	+TURBINE-X41	43		11					
=	x										/111.5	+TURBINE-X41	44		12					
											/111.6				13					
											/111.6				14					
											/111.6				15					
											/111.7				16					
											/112.2				17					
- SPARE -											/112.2				18					
=											/112.3				19					
=											/112.3				20					
VIBRATION TURBINE BEARING 1		x									/112.3	+TURBINE-X41	54		21					
0-25mm/s / 4-20mA		x									/112.4	+TURBINE-X41	55		22					
=		x									/112.4	+TURBINE-X41	56		23					
=											/112.4				24					
VIBRATION TURBINE BEARING 2		x									/112.5	+TURBINE-X41	58		25					
0-25mm/s / 4-20mA		x									/112.5	+TURBINE-X41	59		26					
=		x									/112.5	+TURBINE-X41	60		27					
=											/112.5				28					
TURBINE AXIAL DISPLACEMENT		x									/112.6	+TURBINE-X41	62		29					
-0.75mm - +0.75mm /4-20mA		x									/112.6	+TURBINE-X41	63		30					
=		x									/112.6	+TURBINE-X41	64		31					
=											/112.6				32					
TURBINE LIVE STEAM											/113.2				33					
PRESSURE											/113.2	-X40	19		34					
0-60barg / 4-20mA											/113.3	-X40	16		35					

315A 316A

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONELE ENERGIE SYSTEME	=TU+TU-2X21	14240/067
			drawn	KOL / SEP				
			check.					
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F

=TU
+TU

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W1121	H05VVC4V5-F	18x0.75mm²
2	-W1141	H05VVC4V5-F	18x0.75mm²
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-2X21

FUNKTIONSTEXTE/FUNCTION	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	/SEITE. PFAD /PAGE . PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	B 2	B 3
0-60barg / 4-20mA											/113.3				36					
TURBINE EXHAUST STEAM	x										/113.3	+TURBINE-X41	66		37					
PRESSURE	x										/113.4	+TURBINE-X41	67		38					
-1 - +4barg / 4-20mA	x										/113.4	+TURBINE-X41	68		39					
=											/113.4				40					
SPARE	x										/113.5	+TURBINE-X41	71		41					
=	x										/113.5	+TURBINE-X41	72		42					
=	x										/113.5	+TURBINE-X41	73		43					
=											/113.5				44					
LIVE STEAM TEMP											/113.6				45					
0-600•C / 4-20 mA											/113.6	-U1131	8		46					
=											/113.6	-U1131	9		47					
=											/113.7				48					
VIBRATION GEAR BOX		x									/114.2	+TURBINE-X41	79		49					
0-25mm/s / 4-20mA		x									/114.2	+TURBINE-X41	80		50					
=		x									/114.3	+TURBINE-X41	81		51					
=											/114.3				52					
VIBRATION GEAR BOX		x									/114.3	+TURBINE-X41	83		53					
0-25mm/s / 4-20mA		x									/114.4	+TURBINE-X41	84		54					
=		x									/114.4	+TURBINE-X41	85		55					
=											/114.4				56					
VIBRATION GENERATOR BEARING 1		x									/114.5	+TURBINE-X41	87		57					
0-25mm/s / 4-20mA		x									/114.5	+TURBINE-X41	88		58					
=		x									/114.5	+TURBINE-X41	89		59					
=											/114.6				60					
VIBRATION GENERATOR BEARING 2		x									/114.6	+TURBINE-X41	91		61					
0-25mm/s / 4-20mA		x									/114.6	+TURBINE-X41	92		62					
=		x									/114.7	+TURBINE-X41	93		63					
=											/114.7				64					

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-2X21	14240/067
			drawn	KOL / SEP				
			check.					
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F

=TU
+TU

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	W201	H05VV5-F	5x16mm²
2	-W1561	H05VV5-F	3x1.5mm²
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X1

FUNKTIONSTEXTE/FUNCTION	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	/SEITE.PFAD /PAGE .PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	B 2	B 3
TENSIONE UTENZA	x										/20.1	=LVpart-X	L1		1	-Q201	1			
400/230V, 50HZ	x										/20.1	=LVpart-X	L2		2	-Q201	3			
50A PREFUSIBILE	x										/20.2	=LVpart-X	L3		3	-Q201	5			
=	x										/20.2	=LVpart-X	N		4	-N				
PE	x										/20.2	=LVpart-X	PE		5	-PE				
RISERVA		x									/156.7	=MV_PART-X	L		6	XT156	1			
=		x									/156.7	=MV_PART-X	N		7	XT156	2			
=		x									/156.8	=MV_PART-X	PE		8	-X1561				

316A

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			date	18.12.07	DRESSER-RAND NADROWSKI 21124	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X1	14240/067	=TU
			drawn	KOL / SEP	EURDPOWER, ITALIEN				+TU
			check.						
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F	pg 350 / 508 pg.

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W171	H05VV5-F	10x1.5mm²
2			
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X2

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE.PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
RETE P.I. INSERITO	x										/17.2	=MV_PART+MainsCB-X	x		1	-K672	22			
=	x										/17.3	=MV_PART+MainsCB-X	x		2	-X6	8			
RETE P.I. ARRESTO	x										/17.3	=MV_PART+MainsCB-X	x		3	-K672	13			
=	x										/17.4	=MV_PART+MainsCB-X	x		4	-K672	14			
PE											/17.5				5	-PE	PE			
DISTANZA INDICATORE INSERITO	x										/17.5	=MV_PART+MainsCB-X	x		6	-F472	1			
=	x										/17.5	=MV_PART+MainsCB-X	x		7	-K673	A1			
DISTANZA INDICATORE ARRESTO	x										/17.6	=MV_PART+MainsCB-X	x		8	-K661	14			
BLOCCO	x										/17.6	=MV_PART+MainsCB-X	x		9	-K655	14			
RETE P.I. ARRESTO											/17.4				20	-X2	4			
=											/17.4				21	-K361	32			
=											/17.5				PE					

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			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X2	14240/067	=TU +TU	
			drawn	KDL / SEP						
			check.					TUNPM-10626-L300F	pg. 351	
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.		508 pg.	

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W1271	H05VV5-F	7x1.5mm²
2	-W1281	H05VVC4V5-K	4x0.75mm²
3	-W1282	H05VV5-F	7x1.5mm²
4	-W1272	H05VV5-F	3x2.5mm²
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			wh
2			bn
3			gn

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X3

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE.PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
SIN.TENSIONE 100V	x										/127.2	+GENERATOR-CB2X2	12		1	-K655	54			
=	x										/127.2	+GENERATOR-CB2X2	13		2	-K655	64			
PE	x										/127.3	+GENERATOR-CB2X2	PE		3	-PE				
REGOLATORE TENSIONE INSERITO	x										/127.3	+GENERATOR-CB2X2	25		4	-K655	44			
=	x										/127.3	+GENERATOR-CB2X2	26		5	-K655	43			
=											/127.4				6	-PE				
GEN TENSIONE		x									/128.2	+GENERATOR-CB2X2	18		7	-S1281	1	x		
=		x									/128.2	+GENERATOR-CB2X2	20		8	-S1281	3		x	
REGOLATORE DEL VALORE		x									/128.2	+GENERATOR-CB2X2	19		9	-S1281	2/4			x
SCHERMO		x									/128.3	-W1281	SCREEN		10	SCREEN				
SEGNALE FUNZIONAMENTO			x								/128.3	+GENERATOR-CB2X2	14		11	-K643	11			
FATTORE POTENZA REGOLATORE			x								/128.3	+GENERATOR-CB2X2	15		12	-K643	12			
=											/128.4				13	-PE				
DEECCITAZIONE											/128.4				14	-K641	14			
=											/128.5				15	-K641	13			
=											/128.5				16	-K641	44			
=											/128.6				17	-K641	43			
FATTORE POTENZA REGOLATORE											/128.6				18	-R1282	1	x		
=											/128.7				19	-R1282	2		x	
=											/128.7				20	-R1282	3			x
SCHERMO											/128.7				21	SCREEN				
FATTORE POTENZA REGOLATORE											/128.8				22	-PE				
TENSIONE ALIMENTAZIONE 230V.			x								/127.5	+GENERATOR-CB2X2	3		23	-F1271	1			
=			x								/127.5	+GENERATOR-CB2X2	4		24	-N				
PE			x								/127.5	+GENERATOR-CB2X2	4/PE		25	-PE				

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W2001	H05VV5-F	20x1.5mm²
2			
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X4

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE . PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
COMANDO FUSIBLE DISTURBO	x										/201.2	+DCS-XK	x		4	-F463	14			
=	x										/201.2	+DCS-XK	x		5	-F461	13			
TURBINA FUNZIONAMENTO	x										/200.2	+DCS-XK	x		1-12	-K2001	12			
=	x										/200.2	+DCS-XK	x		1-11	-K2001	11			
=	x										/200.2	+DCS-XK	x		1-14	-K2001	14			
ALLARME COLLETTRICE	x										/200.3	+DCS-XK	x		2-12	-K2002	12			
PERICOLO	x										/200.3	+DCS-XK	x		2-11	-K2002	11			
=	x										/200.4	+DCS-XK	x		2-14	-K2002	14			
ALLARME COLLETTRICE FERMO	x										/200.4	+DCS-XK	x		3-12	-K2003	12			
=	x										/200.5	+DCS-XK	x		3-11	-K2003	11			
=	x										/200.5	+DCS-XK	x		3-14	-K2003	14			
BATTERIA TENSIONE	x										/200.6	+DCS-XK	x		4-12	-K2004	12			
=	x										/200.6	+DCS-XK	x		4-11	-K2004	11			
=	x										/200.6	+DCS-XK	x		4-14	-K2004	14			
GEN P.I. INSERITO	x										/200.7	+DCS-XK	x		5-12	-K2005	12			
=	x										/200.7	+DCS-XK	x		5-11	-K2005	11			
=	x										/200.8	+DCS-XK	x		5-14	-K2005	14			

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X4	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.						
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F	pg. 353 / 508 pg.

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	W202	H05VV5-F	5x1.5mm²
2	W221	H05VV5-F	5x2.5mm²
3	W204	H05VV5-F	3x1.5mm²

B

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X5

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE .PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
TENSIONE ALTERNATORE	x										/20.3	=QMT02+TVG-X	L1		1	-Q202	1			
50Hz, 3,3kV/100V	x										/20.3	=QMT02+TVG-X	L2		2	-Q202	3			
6A PREFUSIBILE	x										/20.4	=QMT02+TVG-X	L3		3	-Q202	5			
=											/20.4				4					
PE	x										/20.4	=QMT02+TVG-X	PE		5	-PE				
RETE TENSIONE		x									/22.2	=QMT01+MAINS_VT-XK	L1		6	-Q221	1			
20 kV/100V, 50Hz		x									/22.2	=QMT01+MAINS_VT-XK	L2		7	-Q221	3			
6A PREFUSIBILE		x									/22.3	=QMT01+MAINS_VT-XK	L3		8	-Q221	5			
=											/22.3				9					
PE		x									/22.3	=QMT01+MAINS_VT-XK	PE		10	-PE				
ALTERNATORE e_n TENSIONE e_n			x								/20.7	=QMT02+TV1-X	e		11	-F331	Ue			
3,3kV / 0,1kV : √3/			x								/20.7	=QMT02+TV1-X	n		12	-F331	Un			
PE			x								/20.7	=QMT02+TV1-X	PE		13	-PE				
BARRA COLLETTRICE TENSIONE											/22.5	=QMT02+TV1-X	L1		14	-Q222	1			
3,3kV/100V, 50Hz											/22.5	=QMT02+TV1-X	L2		15	-Q222	3			
6A PREFUSIBILE											/22.5	=QMT02+TV1-X	L3		16	-Q222	5			
=											/22.5				17					
PE											/22.6	=QMT02+TV1-X	PE		18	-PE	PE			

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W161	H05VV5-F	7x1.5mm²
2	-W16A1	H05VV5-F	10x1.5mm²
3	-W16A2	H05VV5-F	3x1.5mm²
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X6

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE .PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
RISERVA	x										/16.2	=MV_PART+GenC.B-X	x		1					
POTENZA INTERRUTTORE INSERITO	x										/16.2	=MV_PART+GenC.B-X	L+		2	-K662	14			
=	x										/16.3	=MV_PART+GenC.B-X	S		3	-K655	14			
PE	x										/16.2	=MV_PART+GenC.B-X	PE		4	-PE	PE			
POTENZA INTERRUTTORE ARRESTO	x										/16.4	=MV_PART+GenC.B-X	S		5	-K662	22			
=	x										/16.5	=MV_PART+GenC.B-X	L+		6	-K642	13			
BLOCCO		x									/16A.2	=MV_PART+GenC.B-X31	45		7	-K671	14			
=		x									/16A.3	=MV_PART+GenC.B-X31	46		8	-X2	2			
REPITITORE INSERITO		x									/16A.3	=MV_PART+GenC.B-X31	47		9	-F472	1			
=		x									/16A.4	=MV_PART+GenC.B-X31	48		10	-K663	A1			
REPITITORE ARRESTO		x									/16A.4	=MV_PART+GenC.B-X31	66		11	-F472	1			
=		x									/16A.5	=MV_PART+GenC.B-X31	67		12					
INTERRUTTORE PRESA TERRA		x									/16A.5	=MV_PART+GenC.B-X31	62		13	-F472	1			
=		x									/16A.6	=MV_PART+GenC.B-X31	63		14	-A515	39_1			
RISERVA			x								/16A.6	=MV_PART+SPARE-X31	64		15	-F472	1			
=			x								/16A.7	=MV_PART+SPARE-X31	65		16	-A515	27_1			
POTENZA INTERRUTTORE ARRESTO											/16.5			I	20	-K662	22			
=											/16.5				21	-K361	22			
=											/16.5				PE					

			date	18.12.07	DRESSER-RAND NAOROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X6	14240/067
			drawn	KOL / SEP				
			check.					
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F

=TU
+TU

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	W203	H05VV5-F	7x2.5mm²
2	W212	H05VV5-F	7x2.5mm²
3	W213	H05VV5-F	7x2.5mm²

B

1	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X7

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE .PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
CORRENTE ALTERNATORE	x										/20.5	=GENERATOR+MCT-CB2X1	2		1	-P243	-1			
700/5A; 1FS5; 15VA	x										/20.5	=GENERATOR+MCT-CB2X1	1		2	-P243	-2			
MISURA	x										/20.5	=GENERATOR+MCT-CB2X1	8		3	-P244	-1			
=	x										/20.6	=GENERATOR+MCT-CB2X1	7		4	-P244	-2			
=	x										/20.6	=GENERATOR+MCT-CB2X1	14		5	-P245	-1			
=	x										/20.6	=GENERATOR+MCT-CB2X1	13		6	-P245	-2			
PE	x										/20.6	=GENERATOR+MCT-CB2X1	PE		7	-PE				
CORRENTE ALTERNATORE STELLA		x									/21.4	=GENERATOR+DCT-CB2X1	4		8	-F321	34			
700/5A; 5P10		x									/21.4	=GENERATOR+DCT-CB2X1	3		9	-F321	35			
DIFF PROTEZIONE		x									/21.5	=GENERATOR+DCT-CB2X1	10		10	-F321	37			
=		x									/21.5	=GENERATOR+DCT-CB2X1	9		11	-F321	38			
=		x									/21.5	=GENERATOR+DCT-CB2X1	16		12	-F321	40			
=		x									/21.5	=GENERATOR+DCT-CB2X1	15		13	-F321	41			
PE		x									/21.5	=GENERATOR+DCT-CB2X1	PE		14	-PE	PE			
CORRENTE ALTERNATORE STELLA			x								/21.6	=GENERATOR+PCT-XS	6		15	-F281	24			
700/5A; 5P10			x								/21.7	=GENERATOR+PCT-XS	5		16	XT33	5			
PROTEZIONE			x								/21.7	=GENERATOR+PCT-XS	12		17	-F281	27			
=			x								/21.7	=GENERATOR+PCT-XS	11		18	XT33	6			
=			x								/21.7	=GENERATOR+PCT-XS	18		19	-F281	30			
=			x								/21.7	=GENERATOR+PCT-XS	17		20	XT33	7			
PE			x								/21.8	=GENERATOR+PCT-XS	PE		21	-PE	PE			

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X7	14240/067
			drawn	KOL / SEP				
			check.					
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F

=TU
+TU

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	W211	H05VV5-F	7x2.5mm²
2			
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X8

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
CORRENTE ALTERNATORE	x										/21.2	=QMT02+DCT-XK	11		1	-F321	24			
700/5A; 5P10	x										/21.2	=QMT02+DCT-XK	k1		2	-F321	25			
DIFF. PROTEZIONE	x										/21.2	=QMT02+DCT-XK	12		3	-F321	27			
=	x										/21.2	=QMT02+DCT-XK	k2		4	-F321	28			
=	x										/21.3	=QMT02+DCT-XK	13		5	-F321	30			
=	x										/21.3	=QMT02+DCT-XK	k3		6	-F321	31			
PE	x										/21.3	=QMT02+DCT-XK	PE		7	-PE	PE			

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X8	14240/067
			drawn	KOL / SEP				
			check.					TUNPM-10626-L300F
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	

=TU
+TU

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W371	H05VV5-F	3x1.5mm²
2	-W372	H05VV5-F	3x1.5mm²
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X13

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE.PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
CONTATTO CON TERRA 59VO	x										/37.5	=EXTERNAL-2X1	9		1	-F464L+				
=	x										/37.5	=EXTERNAL-2X1	10		2	-K372	A1			
=											/37.5				3	-PE	PE			
RETE PROTEZIONE D V 601		x									/37.7	=EXTERNAL-X	x		4	-X38	5			
=		x									/37.7	=EXTERNAL-X	x		5	-K371	A1			
=											/37.7				6	-PE	PE			

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X13	14240/067
			drawn	KOL / SEP				
			check.					
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F

=TU
+TU

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	W601	H05VV5-F	5x1.5mm²
2	W602	H05VV5-F	3x1.5mm²
3	-W1001	H05VV5-F	18x1.5mm²
4	W891	H05VV5-F	5x2.5mm²
5	-W1301	H05VV5-F	3x1.5mm²
6	W603	H05VV5-F	3x1.5mm²
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X30

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE . PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
FERMO RAPIDA	x										/60.2	+TURBINE-X30	1		1	-X462	+			
=	x										/60.2	+TURBINE-X30	2		2	-X30	3			
=		x									/60.3	+SPARE1-XK	x		3	-X30	2			
=		x									/60.3	+SPARE1-XK	x		4	-S601	11			
RISERVA 1			x								/100.3	+TURBINE-X3	5		5	-X30	11			
=			x								/100.3	+TURBINE-X3	6		6	-A515	28_1			
RISERVA 2			x								/101.2	+TURBINE-X30	11		11	-X30	5			
=			x								/101.2	+TURBINE-X30	12		12	-K961	A2			
=			x								/101.3	+TURBINE-X30	13		13	-K1012	A1			
PE											/101.3	+TURBINE-X30	14		14	-PE	PE			
INTERRUTTORE FINE QASV APERTO			x								/101.4	+TURBINE-X30	15		15	-X30	11			
=			x								/101.4	+TURBINE-X30	16		16	-K1012	A2			
=			x								/101.5	+TURBINE-X30	17		17	-K1011	A1			
PE			x								/101.5	+TURBINE-X30	18		18	-PE	PE			
COMANDO VALVOLA HP				x							/89.2	+TURBINE-X30	19		19	-K801	54			
=				x							/89.2	+TURBINE-X30	20		20	-K801	43			
4-20MA				x							/89.5	+TURBINE-X30	21		21	-K801	44			
=				x							/89.5	+TURBINE-X30	22		22	-K801	84			
PRESSIONE INTERRUTTORE					x						/130.4	+TURBINE-X30	23		23	-A851.	37			
=					x						/130.4	+TURBINE-X30	24		24	-K1302	13			
PE					x						/130.4	+TURBINE-X30	25		25	-PE	PE			
ARRESTO EMERGENZA	x										/60.7	+TURBINE-X30	50		50	-S602	12			
=	x										/60.7	+TURBINE-X30	51		51	-X30	52			
=						x					/60.7	+SPARE2-X30	52		52	-X30	51			
=						x					/60.7	+SPARE2-X30	53		53	-F60B1	Y12			

358 360

			date	18.12.07	ORESSER-RANO NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X30	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.					TUNPM-10626-L300F	pg. 359
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.		508 pg.

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	W861	H05VVC4V5-K	2x1.5mm²
2	W862	H05VVC4V5-K	2x1.5mm²
3	W863	H05VVC4V5-K	2x1.5mm²
4	W892	H05VVC4V5-K	2x1.5mm²
5	-W911	H05VVC4V5-F	4x0.75mm²
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			wh
2			bn
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X40

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE .PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
PICK-UP A	x										/86.2	+TURBINE-X40	1		1	-A851	82	x		
=	x										/86.2	+TURBINE-X40	2		2	-A851	83		x	
SCHERMO											/86.2	+TURBINE-X40	3		3	SCREEN				
PICK-UP B		x									/86.3	+TURBINE-X40	4		4	-A851	94	x		
=		x									/86.3	+TURBINE-X40	5		5	-A851	95		x	
SCHERMO											/86.4	+TURBINE-X40	6		6	SCREEN				
NUMERO GIRI			x								/86.4	+TURBINE-X40	7		7	XT86	6			
=			x								/86.5	+TURBINE-X40	8		8	XT86	2			
SCHERMO											/86.5	+TURBINE-X40	9		9	SCREEN				
COMANDO SEGNALI HP				x							/89.3	+TURBINE-X40	10		10	-U901	7			
4-20MA				x							/89.4	+TURBINE-X40	11		11	-U901	8			
											/89.4	+TURBINE-X40	12		12	-PE	PE			
PRESSIONE VAPORE ENTRATA					x						/91.2	+TURBINE-X40	14		14	-U901	10			
0 - 60 barg / 4-20mA					x						/91.3	+TURBINE-X40	15		15	-A851	71			
=					x						/91.3	+TURBINE-X40	16		16	-2X21	35			
=											/91.3				17	-U901	12			
SCHERMO											/91.3	SCREEN			18	-PE	PE			
0 - 60 barg / 4-20mA											/91.4				19	-A851	72			
=											/91.4				19	-2X21	34			

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X40	14240/067
			drawn	KOL / SEP				
			check.					
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F

=TU
+TU

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W961	H05VVC4V5-F	4x0.75mm²
2	-W962	H05VVC4V5-F	4x0.75mm²
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X44

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE .PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
NUMERO GIRI PICK-UP 1	x										/96.3	+TURBINE-X44	1		1	-U961	4			
=	x										/96.3	+TURBINE-X44	2		2	-U961	5			
=	x										/96.3	+TURBINE-X44	3		3	-U961	6			
=											/96.3	SCREEN			4	SCREEN				
=											/96.3				PE	-PE	PE			
=		x									/96.4	+TURBINE-X44	5		5	-U961	1			
=		x									/96.4	+TURBINE-X44	6		6	-U961	2			
NUMERO GIRI PICK-UP 2		x									/96.4	+TURBINE-X44	7		7	-U961	3			
=											/96.4	SCREEN			8	SCREEN				
=											/96.4				PE	-PE	PE			

360 362

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-X44	14240/067
			drawn	KOL / SEP				
			check.					
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F

=TU
+TU

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A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W1351	H05VV5-F	5x2.5mm²
2	-W1501	H05VV5-F	5x1.5mm²
3	-W1511	H05VV5-F	3x2.5mm²
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X100

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
AUSILIARE OILO POMPA 11 kW	x										/135.2	+TURBINE-X100	1		1	-K1301	2			
=	x										/135.2	+TURBINE-X100	2		2	-K1301	4			
=	x										/135.2	+TURBINE-X100	3		3	-K1301	6			
PE	x										/135.2	+TURBINE-X100	PE		4	-PE				
OLIO SPRUZZO SEPARATORE		x									/150.2	+TURBINE-X100	5		5	-K1501	2			
400V; 0.25kW		x									/150.2	+TURBINE-X100	6		6	-K1501	4			
=		x									/150.2	+TURBINE-X100	7		7	-K1501	6			
PE		x									/150.2	+TURBINE-X100	8		8	-PE				
ALTERNATORE RISCALDATORI			x								/151.2	+GENERATOR-CB3X1	1		9	-K801	62			
=			x								/151.2	+GENERATOR-CB3X1	2		10	-N				
PE			x								/151.3	+GENERATOR-CB3X1	PE		11	-PE				

modific.	date	name				
			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME
			drawn	KOL / SEP		
			check.			
			stand.	18.12.07	origin.	sub. f. / sub.

=TU+TU-X100

14240/067

=TU
+TU

TUNPM-10626-L300F

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W451	NSGAFOEU	1x25mm²
2	-W452	NSGAFOEU	1x25mm²
3	-W453	NSGAFOEU	1x2.5mm²
4	-W1361	H05VV5-F	7x2.5mm²
5	-W1451	H05VV5-F	3x6mm²
6			
7			
8			
9			
10			

B

KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
		6mm²

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-X200

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
24V DC	x										/45.6	-G451	+		1	-F451	1			
=											/45.7				1	-F1552	2			
=											/45.7				1	-F1401	2			
=											/45.7				1	-F452				
=		x									/45.6	-G452	-		2	-A391	30			
=											/45.6	-F732	3		2					
=											/45.7	-NL-			2					
=											/45.7	-PE	PE		3					
=			x								/45.7	-G451	-		4	-F453				
VALVOLA FERMO 1				x							/136.2	+TURBINE-X200	5		5	-K801	34			
=				x							/136.2	+TURBINE-X200	6		6	-K1303	A2			
PE				x							/136.3	+TURBINE-X200	7		7	-PE				
VALVOLA FERMO 2				x							/136.4	+TURBINE-X200	8		8	-K801	14			
=				x							/136.4	+TURBINE-X200	9		9	-X200	6			
PE											/136.4				10	-PE				
SIGILLO VAPORE VALVOLA				x							/136.5	+TURBINE-X200	11		11	-K814	14			
=				x							/136.5	+TURBINE-X200	12		12	-X200	9			
PE											/136.5				13	-PE				
OILO POMPA EMERGENZA					x						/145.2	+TURBINE-X200	14		14	-K1401	6	x		
=					x						/145.2	+TURBINE-X200	15		15	-X200	2			
PE					x						/145.3	+TURBINE-X200	16		16	-PE	PE			

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W511	6XV1830-0EH10	2x0.64mm²
2			
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-XBUS

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE .PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
BUSSYSTEM PROFIBUS-DP	x										/51.6	+DDC-X	x		1					

363 365

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-XBUS	14240/067	=TU +TU
			drawn	KOL / SEP					
			check.					TUNPM-10626-L300F	pg. 364
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.		508 pg.

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W1061	H05VVC4V5-F	18x0.75mm²
2	-W1071	H05VVC4V5-F	18x0.75mm²

B: KABELBEZEICHNUNG CABLE DESIGNATION | KABELTYP CABLE TYPE | ADERN CORES

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-1X21

FUNKTIONSTEXTE/FUNCTION	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	/SEITE.PFAD /PAGE .PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	B 2	B 3
OLIO TEMPERATURA	x										/106.2	+TURBINE-X40	34		1					
0-100°C/4-20mA	x										/106.2	+TURBINE-X40	35		2					
=	x										/106.2	+TURBINE-X40	36		3					
=											/106.3				4					
LUBRIFICANTE A PRESSIONE	x										/106.3	+TURBINE-X40	38		5					
0-4barg / 4-20mA	x										/106.3	+TURBINE-X40	39		6					
=	x										/106.4	+TURBINE-X40	40		7					
=											/106.4				8					
RISERVA 1	x										/106.4	+TURBINE-X40	42		9					
=	x										/106.5	+TURBINE-X40	43		10					
=	x										/106.5	+TURBINE-X40	44		11					
=											/106.5				12					
COMANDO OLIO PRESSIONE	x										/106.6	+TURBINE-X40	46		13					
0-16barg / 4-20mA	x										/106.6	+TURBINE-X40	47		14					
=	x										/106.6	+TURBINE-X40	48		15					
=											/106.6				16					
CONGEGNO CUSCINETTI	x										/107.2	+TURBINE-X40	50		17					
0-100°C											/107.2				18					
=	x										/107.3	+TURBINE-X40	52		19					
=	x										/107.3	+TURBINE-X40	53		20					
CONGEGNO CUSCINETTI		x									/107.3	+TURBINE-X40	54		21					
0-100°C											/107.4				22					
=		x									/107.4	+TURBINE-X40	56		23					
=		x									/107.4	+TURBINE-X40	57		24					
CONGEGNO CUSCINETTI		x									/107.5	+TURBINE-X40	58		25					
0-100°C											/107.5				26					
=		x									/107.5	+TURBINE-X40	60		27					
=		x									/107.5	+TURBINE-X40	61		28					
CONGEGNO CUSCINETTI		x									/107.6	+TURBINE-X40	62		29					
0-100°C											/107.6				30					
=		x									/107.6	+TURBINE-X40	64		31					
=		x									/107.7	+TURBINE-X40	65		32					
TURBINA CUSCINETTI TEMP 1		x									/108.2	+TURBINE-X40	66		33					
0-150°C											/108.2				34					
=		x									/108.3	+TURBINE-X40	68		35					

364 365A

modific.	date	name				
			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME
			drawn	KOL / SEP		
			check.			
			stand.	18.12.07	origin.	sub. f. / sub.

=TU+TU-1X21

14240/067

=TU
+TU

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508 pg.

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W1071	H05VVC4V5-F	18x0.75mm²
2	-W1081	H05VVC4V5-F	18x0.75mm²
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-1X21

FUNKTIONSTEXTE/FUNCTION	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	/SEITE.PFAD /PAGE . PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	B 2	B 3
0-150°C	X										/108.3	+TURBINE-X40	69		36					
TURBINA CUSCINETTI TEMP 2	X										/108.3	+TURBINE-X40	70	•	37					
0-150°C											/108.4			•	38					
=	X										/108.4	+TURBINE-X40	72		39					
=	X										/108.4	+TURBINE-X40	73		40					
ALTERNATORE CUSCINETTI TEMP I		X									/108.5	=GENERATOR-CB3X2	19	•	41					
0-150°C											/108.5			•	42					
=		X									/108.5	=GENERATOR-CB3X2	20		43					
=		X									/108.5	=GENERATOR-CB3X2	21		44					
ALTERNATORE CUSCINETTI TEMP II		X									/108.6	=GENERATOR-CB3X2	25	•	45					
0-150°C											/108.6			•	46					
=		X									/108.6	=GENERATOR-CB3X2	26		47					
=		X									/108.7	=GENERATOR-CB3X2	27		48					
GEN TEMP AVVOLGIMENTO		X									/109.2	=GENERATOR-CB3X1	1	•	49					
L1 0-150°C											/109.2			•	50					
=		X									/109.3	=GENERATOR-CB3X1	2		51					
=		X									/109.3	=GENERATOR-CB3X1	3		52					
GEN TEMP AVVOLGIMENTO		X									/109.3	=GENERATOR-CB3X1	7	•	53					
L2 0-150°C											/109.3			•	54					
=		X									/109.4	=GENERATOR-CB3X1	8		55					
=		X									/109.4	=GENERATOR-CB3X1	9		56					
GEN TEMP AVVOLGIMENTO		X									/109.4	=GENERATOR-CB3X1	13	•	57					
L3 0-150°C											/109.5			•	58					
=		X									/109.5	=GENERATOR-CB3X1	14		59					
=		X									/109.5	=GENERATOR-CB3X1	15		60					
											/109.6				61					
											/109.6				62					
											/109.6				63					
											/109.6				64					

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-1X21	14240/067
			drawn	KOL / SEP				
			check.					
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F

=TU
+TU

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W1111	H05VVC4V5-F	18x0.75mm²
2	-W1121	H05VVC4V5-F	18x0.75mm²
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-2X21

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE .PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
- RISERVA -	x										/111.2	+TURBINE-X41	34		1					
=											/111.2				2					
=	x										/111.3	+TURBINE-X41	35		3					
=	x										/111.3	+TURBINE-X41	36		4					
TURBINA TEMP. VAPORE SCARICO	x										/111.3	+TURBINE-X41	38		5					
0-100•C											/111.4				6					
=	x										/111.4	+TURBINE-X41	39		7					
=	x										/111.4	+TURBINE-X41	40		8					
RISERVA	x										/111.5	+TURBINE-X41	42		9					
=											/111.5				10					
=	x										/111.5	+TURBINE-X41	43		11					
=	x										/111.5	+TURBINE-X41	44		12					
											/111.6				13					
											/111.6				14					
											/111.6				15					
											/111.7				16					
											/112.2				17					
- RISERVA -											/112.2				18					
=											/112.3				19					
=											/112.3				20					
VIBRAZIONE TURBINA CUSCINETTI		x									/112.3	+TURBINE-X41	54		21					
0-25mm/s / 4-20mA		x									/112.4	+TURBINE-X41	55		22					
=		x									/112.4	+TURBINE-X41	56		23					
=											/112.4				24					
VIBRAZIONE TURBINA CUSCINETTI		x									/112.5	+TURBINE-X41	58		25					
0-25mm/s / 4-20mA		x									/112.5	+TURBINE-X41	59		26					
=		x									/112.5	+TURBINE-X41	60		27					
=											/112.5				28					
TURBINA LO SPOSTAMENTO ASSIALE		x									/112.6	+TURBINE-X41	62		29					
-0,75mm - +0,75mm /4-20mA		x									/112.6	+TURBINE-X41	63		30					
=		x									/112.6	+TURBINE-X41	64		31					
=											/112.6				32					
TURBINA VAPORE ENTRATA											/113.2				33					
PRESSIONE											/113.2	-X40	19		34					
0-60barg / 4-20mA											/113.3	-X40	16		35					

365A 366A

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-2X21	14240/067	=TU +TU
			drawn	KDL / SEP					
			check.						
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F	pg. 366 / 508 pg.

A	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1	-W1121	H05VVC4V5-F	18x0.75mm²
2	-W1141	H05VVC4V5-F	18x0.75mm²
3			
4			
5			
6			
7			
8			
9			
10			

B	KABELBEZEICHNUNG CABLE DESIGNATION	KABELTYP CABLE TYPE	ADERN CORES
1			
2			
3			

KLEMMLEISTENBEZEICHNUNG
TERMINAL STRIP DESIGNATION

=TU+TU-2X21

FUNKTIONSTEXTE/FUNCTION	A 1	2	3	4	5	6	7	8	9	10	/SEITE.PFAD /PAGE PATH	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	BRUECKEN JUMPER	KLEMMENNAME TERMINALNAME	ZIELBEZEICHNUNG DESTINATION	ANSCHLUSS CONNECTION	B 1	2	3
0-60barg / 4-20mA											/113.3				36					
TURBINA VAPORE SCARICO	x										/113.3	+TURBINE-X41	66		37					
PRESSIONE	x										/113.4	+TURBINE-X41	67		38					
-1 - +4barg / 4-20mA	x										/113.4	+TURBINE-X41	68		39					
=											/113.4				40					
RISERVA	x										/113.5	+TURBINE-X41	71		41					
=	x										/113.5	+TURBINE-X41	72		42					
=	x										/113.5	+TURBINE-X41	73		43					
=											/113.5				44					
VAPORE ENTRATA TEMP											/113.6				45					
0-600°C / 4-20 mA											/113.6	-U1131	8		46					
=											/113.6	-U1131	9		47					
=											/113.7				48					
		x									/114.2	+TURBINE-X41	79		49					
0-25mm/s / 4-20mA		x									/114.2	+TURBINE-X41	80		50					
=		x									/114.3	+TURBINE-X41	81		51					
=											/114.3				52					
		x									/114.3	+TURBINE-X41	83		53					
=		x									/114.4	+TURBINE-X41	84		54					
=		x									/114.4	+TURBINE-X41	85		55					
=											/114.4				56					
VIBRAZIONE ALTERNATORE		x									/114.5	+TURBINE-X41	87		57					
0-25mm/s / 4-20mA		x									/114.5	+TURBINE-X41	88		58					
=		x									/114.5	+TURBINE-X41	89		59					
=											/114.6				60					
VIBRAZIONE ALTERNATORE		x									/114.6	+TURBINE-X41	91		61					
0-25mm/s / 4-20mA		x									/114.6	+TURBINE-X41	92		62					
=		x									/114.7	+TURBINE-X41	93		63					
=											/114.7				64					

			date	18.12.07	DRESSER-RAND NADROWSKI 21124 EUROPOWER, ITALIEN	MULTIFUNKTIONALE ENERGIE SYSTEME	=TU+TU-2X21	14240/067
			drawn	KDL / SEP				
			check.					
modific.	date	name	stand.	18.12.07	origin.	sub. f.	sub.	TUNPM-10626-L300F

=TU
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STUECKLISTE / PART LIST

BETRIEBSMITTELKENNZEICHEN DENOMINATION	ST PC	BEZEICHNUNG NOMENCLATURE		TYPEN NUMMER TYPE NUMBER	ARTIKELNUMMER ARTICLE NUMBER	HERSTELLER MANUFACTURER
=TU+TU-GEHAEUSE	2	ENCLOSURE MARSHALLING BOX	B/H/T 800/1800/600MM TS8886	TS8886.500	Z-AG-RIT-TS8-886-010	Rittal-Werk
=TU+TU-GEHAEUSE	1	SIDE WALL	H / T 1800 / 600 MM TS8186	TS8186.235	Z-SW-RIT-TS8-186-010	Rittal-Werk
=TU+TU-GEHAEUSE	2	PEDESTAL	SEITLICH H 200/T600 TS8602	TS8602.060	Z-SO-RIT-TS8-602-060	Rittal-Werk
=TU+TU-GEHAEUSE	2	PEDESTAL	VORN+HINTEN H 200/B800 TS8602	TS8602.800	Z-SO-RIT-TS8-602-800	Rittal-Werk
=TU+TU-Q201	1	MOTOR PROTECTION SWITCH	32.0...40.0A PKZM4	PKZM4-40	Q-LM-KLM-040-030	Moeller Electric GmbH
=TU+TU-Q201	1	AUXILIARY CONTACT	FUER PKZM0 1S+10E NHIE11	NHI-E-11-PKZ0	Q-LM-KLM-H11-040	Moeller Electric GmbH
=TU+TU-Q202	1	MOTOR PROTECTION SWITCH	1.00...1.60A PKZM0	PKZM0-1.6	Q-LM-KLM-002-010	Moeller Electric GmbH
=TU+TU-Q202	1	AUXILIARY CONTACT	FUER PKZM0 1S+10E NHIE11	NHI-E-11-PKZ0	Q-LM-KLM-H11-040	Moeller Electric GmbH
=TU+TU-Q221	1	MOTOR PROTECTION SWITCH	1.00...1.60A PKZM0	PKZM0-1.6	Q-LM-KLM-002-010	Moeller Electric GmbH
=TU+TU-Q221	1	AUXILIARY CONTACT	FUER PKZM0 1S+10E NHIE11	NHI-E-11-PKZ0	Q-LM-KLM-H11-040	Moeller Electric GmbH
=TU+TU-Q222	1	MOTOR PROTECTION SWITCH	1.00...1.60A PKZM0	PKZM0-1.6	Q-LM-KLM-002-010	Moeller Electric GmbH
=TU+TU-Q222	1	AUXILIARY CONTACT	FUER PKZM0 1S+10E NHIE11	NHI-E-11-PKZ0	Q-LM-KLM-H11-040	Moeller Electric GmbH
=TU+TU-T231	1	MEASURING TRANSFORMER	100/57.8V 16VA 50/60Hz	980908	T-TM-HTB-100-058-010	HTB Hamburger Transformatorenbau
=TU+TU-T232	1	MEASURING TRANSFORMER	100/57.8V 16VA 50/60Hz	980908	T-TM-HTB-100-058-010	HTB Hamburger Transformatorenbau
=TU+TU-T233	1	MEASURING TRANSFORMER	100/57.8V 16VA 50/60Hz	980908	T-TM-HTB-100-058-010	HTB Hamburger Transformatorenbau
=TU+TU-SZ42	1	VOLTMETER SWITCH	0-L1/2-L2/3-L3/1 V3	V3/8ZM/X70A/NS	S-VU-SON-V3X-010	Sontheimer GmbH & Co.KG
=TU+TU-PZ41	1	DOUBLE-VOLTMETER	2x0-3.96kV/0-120V AN 3.3kV/100V	ZEQ96-X	P-UM-MES-120-096-060	MES Mess- und Energiesysteme
=TU+TU-P242	1	DOUBLE-FREQUENCYMETER	ZEIGER 2x 45-55Hz 100-110V	ZFQ 96	P-HO-MES-100-ZEI-050	MES Mess- und Energiesysteme
=TU+TU-P243	1	AMMETER	0-700/5A	EQ96-X	P-I5-MES-700-A96-020	MES Mess- und Energiesysteme
=TU+TU-P244	1	AMMETER	0-700/5A	EQ96-X	P-I5-MES-700-A96-020	MES Mess- und Energiesysteme
=TU+TU-P245	1	AMMETER	0-700/5A	EQ96-X	P-I5-MES-700-A96-020	MES Mess- und Energiesysteme
=TU+TU-P246	1	WORKING HOUR COUNTER	110V/50Hz BW40	BW 40.18	P-WH-MUL-110-010	Mueller
=TU+TU-P247	1	KW-METER	2-10VDC 0-3200kW	DQ96-X	P-PG-MES-H32-G96-010	MES Mess- und Energiesysteme
=TU+TU-P252	1	COS-PHI-INDICAT.	0-10VDC 0.5k-1-0.5i	PQ96	P-GC-MES-515-G96-010	MES Mess- und Energiesysteme
=TU+TU-P253	1	KWH-IMPULSE-INDICATION	Uh: 24VDC TUEREINBAU	IOC96-E	P-WP-MES-024-320	MES Mess- und Energiesysteme

STUECKLISTE / PART LIST

BETRIEBSMITTELKENNZEICHEN DENOMINATION	ST PC	BEZEICHNUNG NOMENCLATURE		TYPEN NUMMER TYPE NUMBER	ARTIKELNUMMER ARTICLE NUMBER	HERSTELLER MANUFACTURER
=TU+TU-F281	1	MULTIFUNCTIONAL PROTECTION RELAY	ENERGIE-/SCHUTZRELAIS MES2-5	MES2-5	A-MU-MES-MES-020	MES Mess- und Energiesysteme
=TU+TU-F321	1	DIFF PROTECTION	-/5A AC 24VDC FDS1-5	FDS1-5	F-RD-MES-FDS-010	MES Mess- und Energiesysteme
=TU+TU-F331	1	EARTHFAULT-CURRENT-RELAY	XI1-S-1	XI1-S-1	F-RR-SEG-XI1-040	SEG Schaltanlagen-Elektronik-Gera
=TU+TU-S351	1	VOLTMETER SWITCH	0-L1/2-L2/3-L3/1 V3	V3/8ZM/X70A/NS	S-VU-SON-V3X-010	Sontheimer GmbH & Co.KG
=TU+TU-P351	1	VOLTMETER	0-24.0kV/0-120V AN 20.0kV/100V	EQ96-X	P-UA-MES-120-E96-040	MES Mess- und Energiesysteme
=TU+TU-F351	1	VOLTAGE RELAY	UNTERSPANNUNGSUEBERWACHUNG	IK9171.11/001 3AC110	F-RU-DOL-IK9-171-110	Dold & Soehne KG
=TU+TU-F352	1	VOLTAGE RELAY	UNTERSPANNUNGSUEBERWACHUNG	IK9171.11/001 3AC110	F-RU-DOL-IK9-171-110	Dold & Soehne KG
=TU+TU-K361	1	RELAY	2S+2OE. 24VDC	DILA-22(24VDC)	K-HA-KLM-G22-024-020	Moeller Electric GmbH
=TU+TU-K372	1	RELAY	2S+2OE 24VDC ED DIL ER	DILER-22-G(24VDC)	K-HA-KLM-G22-020	Moeller Electric GmbH
=TU+TU-K371	0	RELAY	2S+2OE 24VDC ED DIL ER	DILER-22-G(24VDC)	K-HA-KLM-G22-020	Moeller Electric GmbH
=TU+TU-S381	1	VOLTMETER SWITCH	0-L1/2-L2/3-L3/1 V3	V3/8ZM/X70A/NS	S-VU-SON-V3X-010	Sontheimer GmbH & Co.KG
=TU+TU-P383	1	SYNCHRONOSCOPE	100/230/400V 45-65HZ VSL1	VSL1	P-SL-MES-400-010	MES Mess- und Energiesysteme
=TU+TU-A391	1	SYNCHRONIZING RELAY	AUTO MSR3	MSR3	A-RS-MES-MSR-020	MES Mess- und Energiesysteme
=TU+TU-A392	1	SYNCHRONIZING RELAY	CHECK 100V MSS1-2	MSS1-2	A-RS-MES-MSS-020	MES Mess- und Energiesysteme
=TU+TU-F451	1	MINIATURE CIRCUIT BREAKER	TYP-B 1POL. 32A	1B32T1	F-F1-SUR-BOT-032-010	ABL Sursum
=TU+TU-F451	1	AUXILIARY CONTACT	FUER SICHERUNGSAUTOMAT TYP T	HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-G451	1	BATTERY	12VDC 200Ah SB200-12	SB 200-12	G-BA-SSB-12V-200	SSB BATTERY SERVICE GMBH
=TU+TU-G452	1	BATTERY	12VDC 200Ah SB200-12	SB 200-12	G-BA-SSB-12V-200	SSB BATTERY SERVICE GMBH
=TU+TU-F452	1	FUSE-CLAMP	1 POL. 6.3A UK10-DREHSI	UK10-DREHSI	F-FX-PHX-UK1-010	Phoenix Contact GmbH
=TU+TU-F453	1	FUSE-CLAMP	1 POL. 6.3A UK10-DREHSI	UK10-DREHSI	F-FX-PHX-UK1-010	Phoenix Contact GmbH
=TU+TU-F461	1	MINIATURE CIRCUIT BREAKER	TYP-B 1POL. 10A	1B10T1	F-F1-SUR-BOT-010-010	ABL Sursum
=TU+TU-F461	1	AUXILIARY CONTACT	FUER SICHERUNGSAUTOMAT TYP T	HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-X462	1	VOLTAGE-COMMONBAR	12...24VDC L+	PSK-1-L+	X-KP-MES-PLU-010	MES Mess- und Energiesysteme
=TU+TU-F462	1	MINIATURE CIRCUIT BREAKER	TYP-B 1POL. 6A	1B6T1	F-F1-SUR-BOT-006-010	ABL Sursum
=TU+TU-F462	1	AUXILIARY CONTACT	FUER SICHERUNGSAUTOMAT TYP T	HL11	F-FH-SUR-HL1-000-010	ABL Sursum

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BETRIEBSMITTELKENNZEICHEN DENOMINATION	ST PC	BEZEICHNUNG NOMENCLATURE		TYPEN NUMMER TYPE NUMBER	ARTIKELNUMMER ARTICLE NUMBER	HERSTELLER MANUFACTURER
=TU+TU-X463	1	VOLTAGE-COMMONBAR	12...24VDC L+	PSK-1-L+	X-KP-MES-PLU-010	MES Mess- und Energiesysteme
=TU+TU-F463	1	MINIATURE CIRCUIT BREAKER	TYP-B 1POL. 6A	1B6T1	F-F1-SUR-BOT-006-010	ABL Sursum
=TU+TU-F463	1	AUXILIARY CONTACT	FUER SICHERUNGSAUTOMAT TYP T	HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-F464	1	MINIATURE CIRCUIT BREAKER	TYP-B 1POL. 6A	1B6T1	F-F1-SUR-BOT-006-010	ABL Sursum
=TU+TU-F464	1	AUXILIARY CONTACT	FUER SICHERUNGSAUTOMAT TYP T	HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-X465	1	VOLTAGE-COMMONBAR	12...24VDC L-	PSK-1-L-	X-KP-MES-MIN-010	MES Mess- und Energiesysteme
=TU+TU-F471	1	MINIATURE CIRCUIT BREAKER	TYP-B 1POL. 10A	1B10T1	F-F1-SUR-BOT-010-010	ABL Sursum
=TU+TU-F471	1	AUXILIARY CONTACT	FUER SICHERUNGSAUTOMAT TYP T	HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-F472	1	MINIATURE CIRCUIT BREAKER	TYP-B 1POL. 6A	1B6T1	F-F1-SUR-BOT-006-010	ABL Sursum
=TU+TU-F472	1	AUXILIARY CONTACT	FUER SICHERUNGSAUTOMAT TYP T	HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-F473	1	MINIATURE CIRCUIT BREAKER	TYP-B 1POL. 6A	1B6T1	F-F1-SUR-BOT-006-010	ABL Sursum
=TU+TU-F473	1	AUXILIARY CONTACT	FUER SICHERUNGSAUTOMAT TYP T	HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-F475	1	MINIATURE CIRCUIT BREAKER	TYP-B 1POL. 10A	1B10T1	F-F1-SUR-BOT-010-010	ABL Sursum
=TU+TU-F475	1	AUXILIARY CONTACT	FUER SICHERUNGSAUTOMAT TYP T	HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-A503	1	SIMATIC	NET. PB BUSANSCHLUSS-STECKER 6K1-500	6GK1500-0EA02	A-SS-SIE-500-020	SIEMENS AG
=TU+TU-A503	1	LCD INDICATION	OP170B/OP 6AV6-542	6AV6542-0BB15-2AX0	A-SD-SIE-542-010	SIEMENS AG
=TU+TU-A501	1	CENTRAL MODULE	CPU 314C-2DP S7-314	6ES7314-6CG03-0AB0	A-S7-SIE-314-065	SIEMENS AG
=TU+TU-A501	2	PLUG	40-POLIG SCHRAUB S7-392	6ES7392-1AM00-0AA0	A-S7-SIE-392-020	SIEMENS AG
=TU+TU-A501	1	MEMORY CARD	64KB S7-953	6ES7953-8LF11-0AA0	A-S7-SIE-953-011	SIEMENS AG
=TU+TU-A501	1	PLUG PROFIBUS	12 MBIT S7-972	6ES7972-0BA41-0XA0	A-S7-SIE-972-100	SIEMENS AG
=TU+TU-A501	1	PLUG PROFIBUS	12 MBIT SCHRAEG S7-972, MIT PG-BUCHSE	6ES7972-0BB41-0XA0	A-S7-SIE-972-020	SIEMENS AG
=TU+TU-A504	1	INTERFACE CHANGER	CBK2	CBK2	A-MU-MES-CBK-020	MES Mess- und Energiesysteme
=TU+TU-A504	1	PLUG PROFIBUS	12 MBIT S7-972	6ES7972-0BA41-0XA0	A-S7-SIE-972-100	SIEMENS AG
=TU+TU-A505	1	VOLTAGE CONVERTER	UNTERSPANNUNGSPUFFERUNG, PRI.: 24-34VDC FUK3	FUK3	A-AU-MES-FUK-030	MES Mess- und Energiesysteme
=TU+TU-A50A1	1	TELEPHONE CONNECTION	FUER SIMATIC TELESERVICE RS232	6ES7972-0CB35-0XA0	A-S7-SIE-972-065	SIEMENS AG

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=TU+TU-A50A2	1	COMPACT-PC	IRC-306-BRESSNER	IRC-306	A-PC-MES-KPC-010	MES Mess- und Energiesysteme
=TU+TU-A50A2	1	PLUG PROFIBUS	12 MBIT S7-972	6ES7972-0BA41-0XA0	A-S7-SIE-972-100	SIEMENS AG
=TU+TU-A514	1	DIGITAL OUTPUT	32DA 0,5A S7-322	6ES7322-1BL00-0AA0	A-S7-SIE-322-040	SIEMENS AG
=TU+TU-A514	1	PLUG	40-POLIG SCHRAUB S7-392	6ES7392-1AM00-0AA0	A-S7-SIE-392-020	SIEMENS AG
=TU+TU-A515	1	DIGITAL INPUT	32DE S7-321	6ES7321-1BL00-0AA0	A-S7-SIE-321-030	SIEMENS AG
=TU+TU-A515	1	PLUG	40-POLIG SCHRAUB S7-392	6ES7392-1AM00-0AA0	A-S7-SIE-392-020	SIEMENS AG
=TU+TU-A518	1	COMMUNICAT. PROCESSOR	CP 342-5 S7-342	6GK7342-5DA02-0XE0	A-S7-SIE-342-030	SIEMENS AG
=TU+TU-A518	1	PLUG PROFIBUS	12 MBIT S7-972	6ES7972-0BA41-0XA0	A-S7-SIE-972-100	SIEMENS AG
=TU+TU-S601	1	PUSH-BUTTON	VERRASTEND SCHWARZ 10E RPV	RPV-SW/K01	S-NR-KLM-001-020	Moeller Electric GmbH
=TU+TU-S601	1	PROTECTION COLLAR	GELB M22	M22-XGPV	S-NR-KLM-000-025	Moeller Electric GmbH
=TU+TU-K601	1	RELAY	4S 24VDC EO DIL ER	DILER-40-G(24VDC)	K-HA-KLM-G40-020	Moeller Electric GmbH
=TU+TU-K601	1	AUXILIARY RELAY CONTACT	DIL-ER 4S DIL-E	40DILE	K-HZ-KLM-H40-010	Moeller Electric GmbH
=TU+TU-S602	1	PUSH-BUTTON	VERRASTEND ROT 10E M22	M22	S-NR-KLM-001-010	Moeller Electric GmbH
=TU+TU-S602	1	SEAL COVER	M22	M22	S-NR-KLM-000-030	Moeller Electric GmbH
=TU+TU-F60B1	1	CONTACTOR PROTECTION COMBINATION	FUER NOT-AUS UND SCHUTZTUERUEBERWACHUNG, 3S	3TK2825-1BB40	F-RK-SIE-NOT-040	SIEMENS AG
=TU+TU-F60C1	1	CONTACTOR PROTECTION COMBINATION	FUER NOT-AUS UND SCHUTZTUERUEBERWACHUNG,	3TK2830-1CB30	F-RK-SIE-NOT-050	SIEMENS AG
=TU+TU-K611	1	RELAY	2S+2DE 24VDC EO DIL ER	DILER-22-G(24VDC)	K-HA-KLM-G22-020	Moeller Electric GmbH
=TU+TU-K641	1	RELAY	3S+1DE 24VDC EO DIL ER	DILER-31-G(24VDC)	K-HA-KLM-G31-020	Moeller Electric GmbH
=TU+TU-K642	1	RELAY	2S+2DE, 24VDC	DILA-22(24VDC)	K-HA-KLM-G22-024-020	Moeller Electric GmbH
=TU+TU-K643	1	RELAY	2 WE 8A, FO-MODUL LED-GRUEN, Us: 24V DC	MODUL-RE-2W-24DC	K-RK-SHC-G2U-024-010	SHC GmbH
=TU+TU-S651	1	ON OFF SWITCH	SCHLUESSEL Abzb:0 1S M22	M22	S-SE-KLM-0_1-250	Moeller Electric GmbH
=TU+TU-K651	1	RELAY	4S 24VDC EO DIL ER	DILER-40-G(24VDC)	K-HA-KLM-G40-020	Moeller Electric GmbH
=TU+TU-K651	1	AUXILIARY RELAY CONTACT	DIL-ER 2S+2DE DIL-E	22DILE	K-HZ-KLM-H22-010	Moeller Electric GmbH
=TU+TU-K653	1	RELAY	2S+2DE, 24VDC	DILA-22(24VDC)	K-HA-KLM-G22-024-020	Moeller Electric GmbH
=TU+TU-S653	1	LUMINOUS PUSH BUTTON	WS 18-30VAC/DC 1S M22	M22	S-LW-KLM-030-030	Moeller Electric GmbH

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=TU+TU-K654	1	RELAY	4S 24VDC ED DIL ER	DILER-40-G(24VDC)	K-HA-KLM-G40-020	Moeller Electric GmbH
=TU+TU-K655	1	RELAY	4S, 24VDC	DILA-40(24VDC)	K-HA-KLM-G40-024-020	Moeller Electric GmbH
=TU+TU-K655	1	AUXILIARY RELAY CONTACT	4-POL. 4xS SCHRAUBKLEMMEN X-START	DILA-XHI40	K-LZ-KLM-H40-020	Moeller Electric GmbH
=TU+TU-K656	1	RELAY	4S 24VDC ED DIL ER	DILER-40-G(24VDC)	K-HA-KLM-G40-020	Moeller Electric GmbH
=TU+TU-K661	1	RELAY	2S+2OE, 24VDC	DILA-22(24VDC)	K-HA-KLM-G22-024-020	Moeller Electric GmbH
=TU+TU-K662	1	RELAY	2S+2OE, 24VDC	DILA-22(24VDC)	K-HA-KLM-G22-024-020	Moeller Electric GmbH
=TU+TU-K663	1	RELAY	4 WE 5A, FD-MODUL LED-GRUEN, Us: 24V DC	MODUL-RE-4W-24DC	K-RK-SHC-G4U-024-010	SHC GmbH
=TU+TU-K671	1	RELAY	2S+2OE, 24VDC	DILA-22(24VDC)	K-HA-KLM-G22-024-020	Moeller Electric GmbH
=TU+TU-K672	1	RELAY	2S+2OE, 24VDC	DILA-22(24VDC)	K-HA-KLM-G22-024-020	Moeller Electric GmbH
=TU+TU-K673	1	RELAY	4 WE 5A, FD-MODUL LED-GRUEN, Us: 24V DC	MODUL-RE-4W-24DC	K-RK-SHC-G4U-024-010	SHC GmbH
=TU+TU-K691	1	RELAY	4S 24VDC ED DIL ER	DILER-40-G(24VDC)	K-HA-KLM-G40-020	Moeller Electric GmbH
=TU+TU-K691	1	AUXILIARY RELAY CONTACT	DIL-ER 2S+2OE DIL-E	22DILE	K-HZ-KLM-H22-010	Moeller Electric GmbH
=TU+TU-K692	1	RELAY	4S 24VDC ED DIL ER	DILER-40-G(24VDC)	K-HA-KLM-G40-020	Moeller Electric GmbH
=TU+TU-K692	1	AUXILIARY RELAY CONTACT	DIL-ER 2S+2OE DIL-E	22DILE	K-HZ-KLM-H22-010	Moeller Electric GmbH
=TU+TU-K701	1	RELAY	4 WE 5A, FD-MODUL LED-GRUEN, Us: 24V DC	MODUL-RE-4W-24DC	K-RK-SHC-G4U-024-010	SHC GmbH
=TU+TU-K705	1	RELAY	4 WE 5A, FD-MODUL LED-GRUEN, Us: 24V DC	MODUL-RE-4W-24DC	K-RK-SHC-G4U-024-010	SHC GmbH
=TU+TU-H701	1	BUZZER	18 - 30V M22-AM	M22-AMC+M22-XAM	H-HO-KLM-M22-010	Moeller Electric GmbH
=TU+TU-F731	1	VOLTAGE RELAY	<U 1U 24VDC FUS2-DC	FUS2-DC	F-RU-MES-FUS-210	MES Mess- und Energiesysteme
=TU+TU-P731	1	VOLTMETER	- GLEICHSPANNUNG 0-40V DC	DQ72-X	P-UG-MES-040-G72-010	MES Mess- und Energiesysteme
=TU+TU-F732	1	VOLTAGE RELAY	SPANNUNGSVERGLEICHER FUER 24VDC BATTERIE FUV1	FUV1	F-RU-MES-FUV-010	MES Mess- und Energiesysteme
=TU+TU-S751	1	ON OFF SWITCH	SCHLUESSEL Abzb:0+1 1S M22	M22	S-SE-KLM-0_1-035	Moeller Electric GmbH
=TU+TU-K801	1	RELAY	4S 24VDC ED DIL ER	DILER-40-G(24VDC)	K-HA-KLM-G40-020	Moeller Electric GmbH
=TU+TU-K801	1	AUXILIARY RELAY CONTACT	DIL-ER 2S+2OE DIL-E	22DILE	K-HZ-KLM-H22-010	Moeller Electric GmbH
=TU+TU-P801	1	PULSE COUNTER	MIT RESET Up:24VDC (IMP450) TYP 171	IMP450	P-WS-BAU-024-020	Bauser
=TU+TU-K802	1	RELAY	2S+2OE 24VDC ED DIL ER	DILER-22-G(24VDC)	K-HA-KLM-G22-020	Moeller Electric GmbH

STUECKLISTE / PART LIST

BETRIEBSMITTELKENNZEICHEN DENOMINATION	ST PC	BEZEICHNUNG NOMENCLATURE		TYPEN NUMMER TYPE NUMBER	ARTIKELNUMMER ARTICLE NUMBER	HERSTELLER MANUFACTURER
=TU+TU-K803	1	RELAY	2S+2OE 24VDC ED DIL ER	DILER-22-G(24VDC)	K-HA-KLM-G22-020	Moeller Electric GmbH
=TU+TU-K804	1	RELAY	2S+2OE 24VDC ED DIL ER	DILER-22-G(24VDC)	K-HA-KLM-G22-020	Moeller Electric GmbH
=TU+TU-K805	1	RELRY	2S+2OE 24VDC EO DIL ER	DILER-22-G(24VDC)	K-HA-KLM-G22-D20	Moeller Electric GmbH
=TU+TU-K812	1	RELAY	4 WE 5A, FO-MDDUL LED-GRUEN, Us: 24V DC	MODUL-RE-4W-24DC	K-RK-SHC-G4U-024-010	SHC GmbH
=TU+TU-K813	1	RELAY	2 WE 8A, FO-MDDUL LED-GRUEN, Us: 24V OC	MODUL-RE-2W-24DC	K-RK-SHC-G2U-024-010	SHC GmbH
=TU+TU-K814	1	RELAY	2 WE 8R, FO-MDDUL LED-GRUEN, Us: 24V OC	MODUL-RE-2W-24DC	K-RK-SHC-G2U-024-010	SHC GmbH
=TU+TU-R851	1	SPEED REGULRTDR		ZUL	R-RN-ZUL-AAA-010	Zul./acc.
=TU+TU-U851	1	AMPLIFIER	0/4-20mA, 0/2-1DVDC TV5DDL	TV5DDL-1DD-5	U-XA-MAT-TV5-DDD-110	Martens Elektronik GmbH
=TU+TU-P861	1	SPEED INDICRTDR		ZUL	P-GN-ZUL-AAA-010	Zul./acc.
=TU+TU-U871	1	AMPLIFIER	0/4-20mA, 0/2-1DVDC TV5DDL	TV5DDL-1DD-5	U-XA-MAT-TV5-DDD-110	Martens Elektronik GmbH
=TU+TU-U901	1	AMPLIFIER	0/4-20mA, 0/2-1DVDC TV5DDL	TV5DDL-1DD-5	U-XA-MAT-TV5-DDD-110	Martens Elektronik GmbH
=TU+TU-S951	1	SWITCH OVER BUTTDN	2POL. 1-0-2 URR2, 8EIDSEITIGER RUECK2UG	URR2/8ZM/X70A/NS	S-WT-SDN-1D2-020	Sontheimer GmbH & Co.KG
=TU+TU-K951	1	RELAY	4 WE 5A, FD-MDDUL LED-GRUEN, Us: 24V DC	MODUL-RE-4W-24DC	K-RK-SHC-G4U-024-01D	SHC GmbH
=TU+TU-K952	1	RELAY	4 WE 5R, FD-MDDUL LED-GRUEN, Us: 24V OC	MODUL-RE-4W-24DC	K-RK-SHC-G4U-024-01D	SHC GmbH
=TU+TU-K953	1	RELAY	2 WE 8A, FD-MDDUL LEO-GRUEN, Us: 24V DC	MDDUL-RE-2W-24DC	K-RK-SHC-G2U-024-D10	SHC GmbH
=TU+TU-U961	1	DEVICE-/WIREBRERK	FLS2	FLS2	F-RK-MES-FLS-210	MES Mess- und Energiesysteme
=TU+TU-R961	1	CENTRAL MDDULE	S7-2DD, CPU222 KOMPRKTGERAET,	6ES7212-1AB23-0XB0	A-S7-SIE-212-010	SIEMENS AG
=TU+TU-K961	1	RELAY	2S+2OE 24VDC ED DIL ER	DILER-22-G(24VDC)	K-HA-KLM-G22-020	Moeller Electric GmbH
=TU+TU-K1012	1	RELAY	2S+2OE 24VDC ED DIL ER	DILER-22-G(24VDC)	K-HA-KLM-G22-020	Moeller Electric GmbH
=TU+TU-K1011	1	RELRY	4 WE 5A, FD-MDDUL LED-GRUEN, Us: 24V DC	MODUL-RE-4W-24DC	K-RK-SHC-G4U-024-010	SHC GmbH
=TU+TU-U1051	1	TRANSDUCER-MAINMDDUL	16-KANAL MAW1-16	MAW1-16	U-VA-MES-MAW-016-010	MES Mess- und Energiesysteme
=TU+TU-U1051	1	MEASURING MDDUL	4-KANAL 0-20mA MAW1-ZF-E	MAW1-ZF-E	U-VA-MES-MAW-ZFE-010	MES Mess- und Energiesysteme
=TU+TU-U1051	3	MEASURING MDDUL	4-KANAL PT100 -50-200°C MAW1-ZF-A	MAW1-ZF-A	U-VA-MES-MAW-ZFA-D10	MES Mess- und Energiesysteme
=TU+TU-U1101	1	TRANSDUCER-MAINMDDUL	16-KANAL MAW1-16	MAW1-16	U-VA-MES-MAW-016-010	MES Mess- und Energiesysteme
=TU+TU-U1101	3	MEASURING MDDUL	4-KANAL 0-2DmR MAW1-ZF-E	MAW1-ZF-E	U-VA-MES-MAW-ZFE-010	MES Mess- und Energiesysteme

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=TU+TU-U1101	1	MEASURING MODUL	4-KANAL PT100 -50-200øC MAW1-2F-A	MAW1-2F-A	U-VA-MES-MAW-2FA-010	MES Mess- und Energiesysteme
=TU+TU-U1131	1	TEMP.-TRANSDUCER	PT100 0-600øC MU500L	MU500L-51-5/0-600øC	U-TR-MAT-PTH-100-600	Martens Elektronik GmbH
=TU+TU-F1271	1	MINIATURE CIRCUIT BREAKER	TYP-B 1POL. 6A	1B6T1	F-F1-SUR-BOT-006-010	ABL Sursum
=TU+TU-F1271	1	AUXILIARY CONTACT	FUER SICHERUNGSAUTOMAT TYP T	HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-S1281	1	SWITCH OVER BUTTON	2POL. 1-0-2 URR2, BEIDSEITIGER RUECKZUG	URR2/8ZM/X70A/NS	S-WT-SON-102-020	Sontheimer GmbH & Co.KG
=TU+TU-R1282	1	POTENTIOMETER		ZUL	R-PA-ZUL-AAA-020	Zul./acc.
=TU+TU-S1301	1	CHANGE OVER SWITCH	2POL. 1-2 WS2	WS2/8ZM/X70A/NS	S-WU-SON-1_2-030	Sontheimer GmbH & Co.KG
=TU+TU-F1301	1	MINIATURE CIRCUIT BREAKER	TYP-B 1POL. 6A	1B6T1	F-F1-SUR-BOT-006-010	ABL Sursum
=TU+TU-F1301	1	AUXILIARY CONTACT	FUER SICHERUNGSAUTOMAT TYP T	HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-K1301	1	CONTACTOR	3POL. 15kW/AC3 40A/Ith Us. 24V DC 1S	DILM32-10(RDC24)	K-LH-KLM-032-G10-120	Moeller Electric GmbH
=TU+TU-K1301	1	AUXILIARY RELAY CONTACT	4-POL. 2xS 2xOE SCHRAUBKLEMMEN X-START	DILM32-XHI22	K-LZ-KLM-H22-140	Moeller Electric GmbH
=TU+TU-K1302	1	RELAY	2S+2OE 24VDC ED DIL ER	DILER-22-G(24VDC)	K-HA-KLM-G22-020	Moeller Electric GmbH
=TU+TU-K1303	1	RELAY OFF DELAYED	1U 24-240V 0.05s-10h 82.41	82.41.0.240	K-TR-FIN-M1U-010	Finder Relais GmbH
=TU+TU-S1302	1	PUSH BUTTON BLACK	1S CC M22	M22	S-TS-KLM-H10-010	Moeller Electric GmbH
=TU+TU-Q1351	1	MOTOR PROTECTION SWITCH	20,0...25,0A PKZM0	PKZM0-25	Q-LM-KLM-025-010	Moeller Electric GmbH
=TU+TU-Q1351	1	AUXILIARY CONTACT	FUER PKZM0 1S+1OE NHIE11	NHI-E-11-PKZ0	Q-LM-KLM-H11-040	Moeller Electric GmbH
=TU+TU-Q1351	1	AUXILIARY CONTACT	FUER PKZM0 / PKZM4, 1S+1OE NHI11	NHI11-PKZ0	Q-LM-KLM-H11-010	Moeller Electric GmbH
=TU+TU-F1361	1	MINIATURE CIRCUIT BREAKER	TYP-B 1POL. 6A	1B6T1	F-F1-SUR-BOT-006-010	ABL Sursum
=TU+TU-F1361	1	AUXILIARY CONTACT	FUER SICHERUNGSAUTOMAT TYP T	HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-S1401	1	CHANGE OVER SWITCH	2POL. 1-2 WS2	WS2/8ZM/X70A/NS	S-WU-SON-1_2-030	Sontheimer GmbH & Co.KG
=TU+TU-F1401	1	MINIATURE CIRCUIT BREAKER	TYP-B 1POL. 6A	1B6T1	F-F1-SUR-BOT-006-010	ABL Sursum
=TU+TU-F1401	1	AUXILIARY CONTACT	FUER SICHERUNGSAUTOMAT TYP T	HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-K1401	1	CONTACTOR	3POL. 7,5kW/AC3 35A/Ith Us. 24V DC 1S	DILM17-10(RDC24)	K-LE-KLM-017-G10-120	Moeller Electric GmbH
=TU+TU-K1401	1	AUXILIARY RELAY CONTACT	4-POL. 2xS 2xOE SCHRAUBKLEMMEN X-START	DILM32-XHI22	K-LZ-KLM-H22-140	Moeller Electric GmbH
=TU+TU-K1402	1	RELAY	4 WE 5A, FD-MODUL LED-GRUEN, Us: 24V DC	MODUL-RE-4W-24DC	K-RK-SHC-G4U-024-010	SHC GmbH

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=TU+TU-K1403	1	RELRY OFF DELRYED	1U Z4-240V 0,05s-10h 82.41		82.41.0.240	K-TR-FIN-M1U-010	Finder Relais GmbH
=TU+TU-F1451	1	MINIRTURE CIRCUIT BREAKER	TYP-C 1POL. 32A		1C32T1	F-F1-SUR-COT-032-010	ABL Sursum
=TU+TU-F1451	1	RUXILIARY CONTRCT	FUER SICHERUNGSRUTOMAT TYP T		HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-Q1501	1	MOTOR PROTECTION SWITCH	1,00...1,60A PKZM0		PKZM0-1,6	Q-LM-KLM-002-010	Moeller Electric GmbH
=TU+TU-Q1501	1	AUXILIARY CONTACT	FUER PKZM0 1S+10E NHIE11		NHI-E-11-PKZ0	Q-LM-KLM-H11-040	Moeller Electric GmbH
=TU+TU-Q1501	1	AUXILIRRY CONTACT	FUER PKZM0 / PKZM4, 1S+10E NHI11		NHI11-PKZ0	Q-LM-KLM-H11-010	Moeller Electric GmbH
=TU+TU-K1501	1	CONTRCTOR	3POL. 4kW/AC3 20A/Ith Us: 24V DC	1S	DILM9-10(24VDC)	K-LC-KLM-009-G10-120	Moeller Electric GmbH
=TU+TU-F1511	1	MINIATURE CIRCUIT BREAKER	TYP-B 1POL. 10A		1B10T1	F-F1-SUR-BOT-010-010	ABL Sursum
=TU+TU-F1511	1	AUXILIARY CONTACT	FUER SICHERUNGSRUTOMAT TYP T		HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-G1551	1	BATTERY CHARGER/POWER SUPPLY	40A TRIO-PS. 3-PHASIG		TRIO-PS/3AC/24DC/40A	G-LA-PHX-TR3-040-010	Phoenix Contact GmbH
=TU+TU-P1551	1	CURRENT IND.	0-60mV 0-40A		0072-X	P-IG-MES-040-G72-060	MES Mess- und Energiesysteme
=TU+TU-R1551	1	SHUNT	40A / 60mV		SHUNT 40A / 60MV	R-SR-MES-040-010	MES Mess- und Energiesysteme
=TU+TU-Q1551	1	MOTOR PROTECTION SWITCH	4,00...6,30A PKZM0		PKZM0-6,3	Q-LM-KLM-007-010	Moeller Electric GmbH
=TU+TU-Q1551	1	AUXILIRRY CONTACT	FUER PKZM0 1S+10E NHIE11		NHI-E-11-PKZ0	Q-LM-KLM-H11-040	Moeller Electric GmbH
=TU+TU-F1552	1	MINIATURE CIRCUIT BREAKER	TYP-C 1POL. 40A		1C40T1	F-F1-SUR-COT-040-010	ABL Sursum
=TU+TU-F1552	1	RUXILIARY CONTACT	FUER SICHERUNGSRUTOMAT TYP T		HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-E1561	1	THERMOSTAT	10-60°C 250V 50/60Hz 1WECHSLER	TRW60	TRW60	E-ST-RUB-TRW-010	Ruebsamen & Herr
=TU+TU-E1563	1	FILTER FAN	230V,50/60Hz LV400		LV400	E-LF-RUB-LS2-020	Ruebsamen & Herr
=TU+TU-E1563	1	OUTLET FILTER	FUER LV400 GV400		GV400	E-LA-RUB-LG1-010	Ruebsamen & Herr
=TU+TU-F1561	1	MINIATURE CIRCUIT BRERKER	TYP-B 1POL. 6A		1B6T1	F-F1-SUR-BOT-006-010	ABL Sursum
=TU+TU-F1561	1	AUXILIARY CONTACT	FUER SICHERUNGSRUTOMAT TYP T		HL11	F-FH-SUR-HL1-000-010	ABL Sursum
=TU+TU-S1561	1	DOOR POSITION SWITCH	LS-11S		LS-11S	S-PT-KLM-LS1-010	Moeller Electric GmbH
=TU+TU-S1561	1	MOUNTING SET	TUER-POSITIONSSCHRLTER 25mm XM8		XM8-005	S-PT-SRI-ALM-010	Saia
=TU+TU-E1564	1	SWITCHBOARD ILLUMINATION	230V 35W LINESTRA		0610K/0/12SB	E-BS-DON-230-010	Dolin
=TU+TU-S1562	1	DOOR POSITION SWITCH	LS-11S		LS-11S	S-PT-KLM-LS1-010	Moeller Electric GmbH

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=TU+TU-S1562	1	MOUNTING SET	TUER-POSITIONSSCHALTER 25mm XM8	XM8-005	S-PT-SAI-ALM-010	Saia
=TU+TU-E1565	1	SWITCHBOARD ILLUMINATION	230V 35W LINESTRA	0610K/D/12SB	E-BS-DON-230-010	Dolin
=TU+TU-X1561	1	SOCKET	FUER HUTSCHIENE 16A SCHUKO	REG-SD230	X-XW-KLM-HUT-010	Moeller Electric GmbH
=TU+TU-E1567	1	HYGROSTAT	40-90%H 24-250VAC 1WECHSLER HYW90	HYW90	E-SH-RUB-HYW-010	Ruebsamen & Herr
=TU+TU-E1566	1	SWITCHBOARD HEATER	PTC-HEIZGERAET 110-250V AC/DC 45W	HG140	E-HS-EVG-045-010	Elektro-Vertriebsgesellschaft Mar
=TU+TU-K2001	1	RELAY	2 WE 8A, FD-MODUL LED-GRUEN, Us: 24V DC	MODUL-RE-2W-240C	K-RK-SHC-G2U-024-010	SHC GmbH
=TU+TU-K2002	1	RELAY	2 WE 8A, FD-MODUL LED-GRUEN, Us: 24V DC	MODUL-RE-2W-240C	K-RK-SHC-G2U-024-010	SHC GmbH
=TU+TU-K2003	1	RELAY	2 WE 8A, FD-MODUL LED-GRUEN, Us: 24V DC	MODUL-RE-2W-240C	K-RK-SHC-G2U-024-010	SHC GmbH
=TU+TU-K2004	1	RELAY	2 WE 8A, FD-MODUL LED-GRUEN, Us: 24V DC	MODUL-RE-2W-240C	K-RK-SHC-G2U-024-010	SHC GmbH
=TU+TU-K2005	1	RELAY	2 WE 8A, FD-MODUL LED-GRUEN, Us: 24V DC	MODUL-RE-2W-240C	K-RK-SHC-G2U-024-010	SHC GmbH