COMMITTENTE:

RFI
RETE FERROVIARIA ITALIANA
GRUPPO FERROVIE DELLO STATO ITALIANE

DIREZIONE LAVORI:

ITALFERR
GRUPPO FERROVIE DELLO STATO ITALIANE

APPALTATORE:

Ghella
CONSORZIO CFT
PIZZAROTTI
ITINERA

PROGETTAZIONE:	PROGETTISTA:	DIRETTORE DELLA PROGETTAZIONE:
RAGGRUPPAMENTO TEMPORANEO PROGETTISTI PIZZAROTTI Sintagma INTEGRA	Ing. SIMONE DURAZZANI	Ing. PIETRO MAZZOLI Responsabile integrazione fra le varie prestazioni specialistiche

PROGETTO ESECUTIVO

ITINERARIO NAPOLI-BARI
RADDOPPIO TRATTA CANCELLO-BENEVENTO
I° LOTTO FUNZIONALE CANCELLO-FRASSO TELESINO E VARIANTE ALLA LINEA ROMA-NAPOLI VIA CASSINO NEL COMUNE MADDALONI

IMPIANTI DI SEGNALAMENTO

ACEI Frasso Telesino
Disposizione apparecchiature negli armadi - fasi

APPALTATORE		SCALA:
CONSORZIO CFT IL DIRETTORE TECNICO Geom. C. BIANCHI 10/07/2018		-

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.
IF1N	01	E	ZZ	DX	IS0302	004	B

Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	Autorizzato Data
A	Emissione	G.Fratini	06/04/2018	S.Durazzani	06/04/2018	P.Mazzoli	06/04/2018	S.Durazzani
B	Recepimento istruttoria	G.Fratini	10/07/2018	S.Durazzani	10/07/2018	P.Mazzoli	10/07/2018	
								10/07/2018

File: IF1N.0.1.E.ZZ.DX.IS.03.02.004.B.dwg
n. Elab.:

FERROVIE DELLO STATO SPA

Divisione Costruzioni
Servizio Gestione Lavori 3°
Progetto Commessa N°6

LINEA: CASERTA – FOGGIA

Realizzazione dell'impianto di Comando Centralizzato del Traffico (C.T.C.) ed opere connesse sulla linea Caserta – Foggia

IMPIANTO: A.C.E.I. FRASSO

Tav. Distribuzione apparecchiature

AGGIORNAMENTI	DATA	OGGETTO	FIRME	POS.D'ARCHIVIO
E				
D				
C				
B				
A	18.02.99	Attivazione (C.d.V. Tecnica F.S.)		

SOSTITUISCE IL DISEGNO N.
SOSTITUITO DAL DISEGNO N.

ASSOCIAZIONE TEMPORANEA DI IMPRESE

ANSALDO Trasporti
MANDATARIA

Costruttori S.p.A.
MANDANTE

ELETTRO GENERAL GENOVA
MANDANTE

TORTATO & CANAL s.r.l.
segnalamento ferroviario
MANDANTE

Sede A.T.I.: Via Nuova delle Brecce 260, Napoli.

TECNICO RESPONSABILE DELLA PROGETTAZIONE
Dott. Ing. CLAUDIO PEZZATO
ORDINE INGEGNERI N. 1316 PADOVA

SCALA
CODICE DOCUM.
FORMATO

Disegnato Ad	Controllato	Approvato	Codice FRA03 Codice
Data	Codice cliente	Codice ATI CF1.ASS.TF003.05	Foglio 03

TAV. 16/1
Arm. 3

R3 =V 630Ω 50W
R4 =V 630Ω 50W
R5 =V 630Ω 50W
R6 =V 630Ω 50W
R7 =V 5600Ω 50W
R8 =V 60Ω 50W
R9 =F 80Ω 25W
R10=V 5600Ω 50W
R11=V 60Ω 50W
R12=F 80Ω 25W
R13=F 6800Ω 15W
R14=V 3900Ω 25W

R16=V 3900Ω 25W
R17=V 3900Ω 25W

TAV. 21
Arm. 4

R18=F 100Ω 100W
R19=F 100Ω 100W
R20=F 100Ω 100W
R21=F 100Ω 100W
R22=F 100Ω 100W
R23=F 100Ω 100W

TAV. 25
Arm. 3

R28=F 2300Ω 15W
R29=V 2200Ω 25W
R30=F 2300Ω 15W
R31=V 2200Ω 25W
R32=F 2300Ω 15W
R33=V 2200Ω 25W
R34=F 2300Ω 15W
R35=V 2200Ω 25W
R36=V 2200Ω 25W
R37=F 2300Ω 15W
R38=V 2200Ω 25W
R39=F 2300Ω 15W
R40=V 2200Ω 25W
R41=F 2300Ω 15W
R42=V 2200Ω 25W
R43=F 2300Ω 15W

TAV. 26
Arm. 4

R48=F 2300Ω 15W
R49=V 2200Ω 25W
R50=F 2300Ω 15W
R51=V 2200Ω 25W
R52=F 2300Ω 15W
R53=V 2200Ω 25W
R54=F 2300Ω 15W
R55=V 2200Ω 25W
R56=F 2300Ω 15W
R57=V 2200Ω 25W
R58=F 2300Ω 15W
R59=V 2200Ω 25W
R60=F 2300Ω 15W
R61=V 2200Ω 25W
R62=F 2300Ω 15W
R63=V 2200Ω 25W
R64=F 2300Ω 15W
R65=V 2200Ω 25W
R66=F 2300Ω 15W
R67=V 2200Ω 25W
R68=F 2300Ω 15W
R69=V 2200Ω 25W
R70=F 2300Ω 15W
R71=V 2200Ω 25W
R72=F 2300Ω 15W
R73=V 2200Ω 25W
R74=F 2300Ω 15W
R75=V 2200Ω 25W
R76=F 2300Ω 15W
R77=V 2200Ω 25W
R78=F 2300Ω 15W
R79=V 2200Ω 25W

TAV. 26
Arm. 4

R80=F 2300Ω 15W
R81=V 2200Ω 25W
R82=F 2300Ω 15W
R83=V 2200Ω 25W
R84=F 2300Ω 15W
R85=V 2200Ω 25W
R86=F 2300Ω 15W
R87=V 2200Ω 25W
R88=F 2300Ω 15W
R89=V 2200Ω 25W
R90=F 2300Ω 15W
R91=V 2200Ω 25W
R92=F 2300Ω 15W
R93=V 2200Ω 25W
R94=F 2300Ω 15W
R95=V 2200Ω 25W
R96=F 2300Ω 15W
R97=V 2200Ω 25W
R98=F 2300Ω 15W
R99=V 2200Ω 25W

TAV. 16/1
Arm. 3

R100 =F 16Ω 15W
R101 =F 16Ω 15W

TAV. 21
Arm. 4

R102 =F 100Ω 100W
~~R103 =F 100Ω 100W~~
~~R104 =F 100Ω 100W~~
R105 =F 100Ω 100W

TAV. 32
Arm. 3

R107 =F 16Ω 15W
R108 =F 16Ω 15W

Legenda colori

🟥 Fase A0 aggiunge
🟨 Fase A0 elimina
🟦 Fase A aggiunge
🟩 Fase A elimina

RdzLeop1 = 40V 3A
RdzLeop2 = 40V 3A
SIGLA: SKB B40C3200/2200

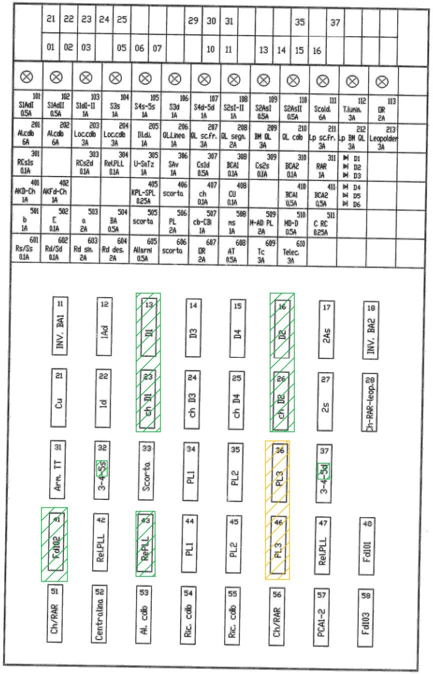
RdzPL1 = 150V 3A
RdzPL2a' = 150V 3A
RdzPL2a'' = 150V 3A
RdzPL3a' = 150V 3A
RdzPL3a'' = 150V 3A
SIGLA: SKB B250C3200/2200

TAV. 04/1
Arm. 1
D1 – D6 = 1600V 1A SIGLA: SK

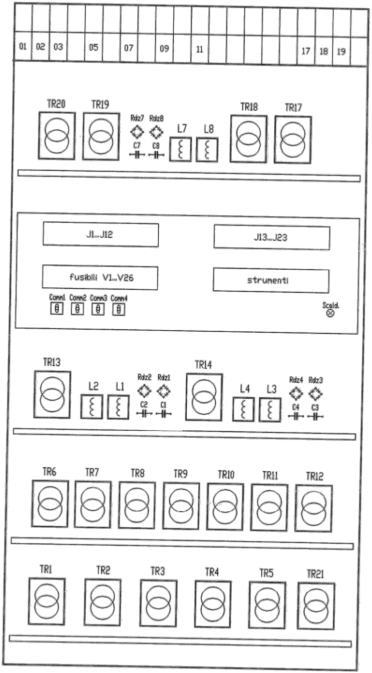
TAV. 11
Arm. 6
D7 – D24 = 1000V 1A

TAV. 17/1
Arm. 3
D25 – D26 = 1000V 1A SIGLA: 1N4007

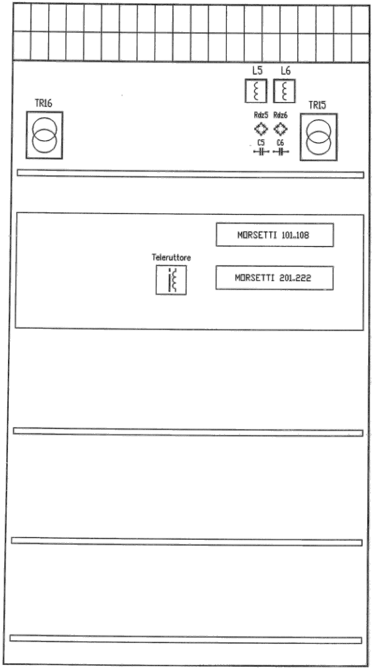
TAV. 25
Arm. 3
D27 – D30 = 1000V 1A


21 22 23 24 25 29 30 31 35 37
01 02 03 05 06 07 10 11 13 14 15 16
101 S1AdI 0.5A
102 S1AdII 0.5A
103 S1dI-II 1A
104 S3s 1A
105 S4s-5s 1A
106 S3d 1A
107 S4d-5d 1A
108 S2sI-II 1A
109 S2AsI 0.5A
110 S2AsII 0.5A
111 Scald. 6A
112 T.lumin. 3A
113 DR 2A
201 Al.cdb 6A
202 Al.cdb 6A
203 Loc.cdb 3A
204 Loc.cdb 3A
205 Ill.di. 1A
206 QL.Linea 1A
207 QL sc.fr. 3A
208 QL segn. 2A
209 BM QL 3A
210 QL cdb
211 Lp sc.fr. 3A
212 Lp BM QL 3A
213 Leopolder 3A
301 RCs1s 0.1A
303 RCs2d 0.1A
304 Rel.PLL 0.1A
305 U-SnTz 1A
306 SAv 1A
307 Cs1d 0.5A
308 BCA1 0.1A
309 Cs2s 0.1A
310 BCA2 0.1A
311 RAR 1A
D1 D2 D3
401 AKD-Ch 1A
402 AKFd-Ch 1A
405 KPL-SPL 0.25A
406 scorta
407 ch 0.1A
408 CU 0.1A
410 BCA1 0.5A
411 BCA2 0.5A
D4 D5 D6
501 b 1A
502 E 0.1A
503 a 2A
504 BA 0.5A
505 scorta
506 PL 2A
507 cb-CBi 1A
508 ms 1A
509 M-AD PL 2A
510 MD-D 0.5A
511 C RC 0.25A
601 Rs/Ss 0.1A
602 Rd/Sd 0.1A
603 Rd sin. 2A
604 Rd des. 2A
605 Allarmi 0.5A
606 scorta
607 DR 2A
608 AT 0.5A
609 Tc 3A
610 Telec. 3A
11 INV. BA1
12 1Ad
13 D1
14 D3
15 D4
16 D2
17 2As
18 INV. BA2
21 Cu
22 1d
23 ch D1
24 ch D3
25 ch D4
26 ch D2
27 2s
28 Ch-RAR-leop.
31 Arm. TT
32 3-4-5s
33 Scorta
34 PL1
35 PL2
36 PL3
37 3-4-5d
41 Fd102
42 Rel.PLL
43 RePLL
44 PL1
45 PL2
46 PL3
47 Rel.PLL
48 Fd101
51 Ch/RAR
52 Centralina
53 Al. cdb
54 Ric. cdb
55 Ric. cdb
56 Ch/RAR
57 PCA1-2
58 Fd103

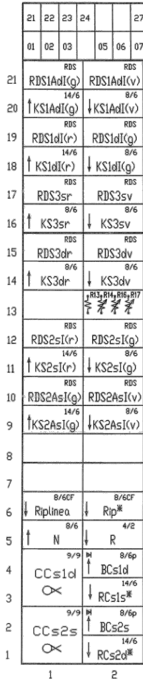
ARMADIO 1

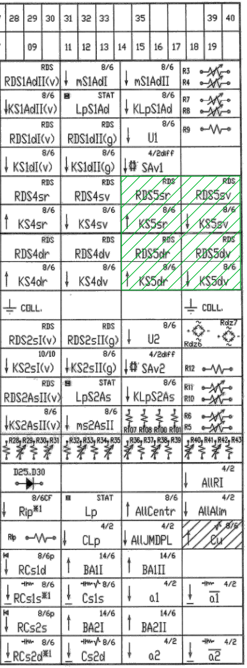

01
02
03
05
07
09
11
17
18
19
TR20
TR19
Rdz7
Rdz8
C7
C8
L7
L8
TR18
TR17
J1...J12
J13...J23
fusibili V1...V26
strumenti
Conn1
Conn2
Conn3
Conn4
θ
Scald.
TR13
L2
L1
Rdz2
Rdz1
C2
C1
TR14
L4
L3
Rdz4
Rdz3
C4
C3
TR6
TR7
TR8
TR9
TR10
TR11
TR12
TR1
TR2
TR3
TR4
TR5
TR21

ARMADIO 2
VISTA ANTERIORE

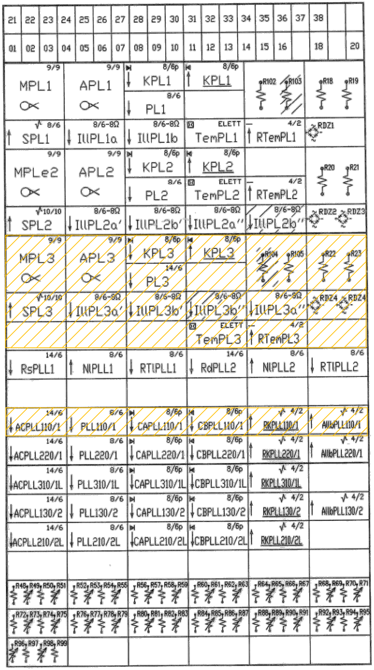

L5
L6
TR16
Rdz5
Rdz6
TR15
C5
C6
MORSETTI 101..108
Teleruttore
MORSETTI 201..222

ARMADIO 2
VISTA POSTERIORE

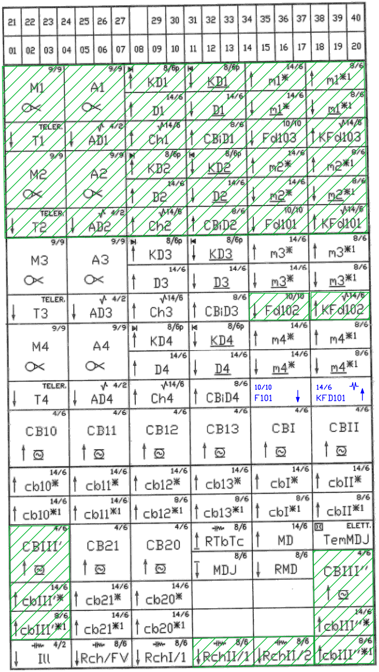

21
22
23
24
27
01
02
03
05
06
07
21
RDS
RDS1AdI(g)
RDS
RDS1AdI(v)
20
14/6
↑KS1AdI(g)
8/6
↓KS1AdI(v)
19
RDS
RDS1dI(r)
RDS
RDS1dI(g)
18
14/6
↑ KS1dI(r)
8/6
↓ KS1dI(g)
17
RDS
RDS3sr
RDS
RDS3sv
16
8/6
↑ KS3sr
8/6
↓ KS3sv
15
RDS
RDS3dr
RDS
RDS3dv
14
8/6
↑ KS3dr
8/6
↓ KS3dv
13
R13
R14
R16
R17
12
RDS
RDS2sI(r)
RDS
RDS2sI(g)
11
14/6
↑ KS2sI(r)
8/6
↓ KS2sI(g)
10
RDS
RDS2AsI(g)
RDS
RDS2AsI(v)
9
14/6
↑KS2AsI(g)
8/6
↓KS2AsI(v)
8
7
6
8/6CF
↓ Riplinea
8/6CF
↓ Rip*
5
8/6
↑ N
4/2
↓ R
4
9/9
CCs1d
8/6p
↑ BCs1d
3
14/6
↓ RCs1s*
2
9/9
CCs2s
8/6p
↑ BCs2s
1
14/6
↓ RCs2d*
1
2


28 29 30 31 32 33 35 39 40
09 11 12 13 14 15 16 17 18 19
RDS RDS1AdII(v)
8/6 mS1AdI
8/6 mS1AdII
R3 R4
8/6 KS1AdII(v)
STAT LpS1Ad
8/6 KLpS1Ad
R7 R8
RDS RDS1dI(v)
RDS RDS1dII(g)
8/6 U1
R9
8/6 KS1dI(v)
8/6 KS1dII(g)
4/2diff SAv1
RDS RDS4sr
RDS RDS4sv
RDS RDS5sr
RDS RDS5sv
8/6 KS4sr
8/6 KS4sv
8/6 KS5sr
8/6 KS5sv
RDS RDS4dr
RDS RDS4dv
RDS RDS5dr
RDS RDS5dv
8/6 KS4dr
8/6 KS4dv
8/6 KS5dr
8/6 KS5dv
COLL.
COLL.
RDS RDS2sI(v)
RDS RDS2sII(g)
8/6 U2
Rdz6 Rdz7
10/10 KS2sI(v)
8/6 KS2sII(g)
4/2diff SAv2
R12
RDS RDS2AsII(v)
STAT LpS2As
8/6 KLpS2As
R11 R10
8/6 KS2AsII(v)
8/6 ms2AsII
R107 R108 R100 R101
R6 R5
R28 R29 R30 R31
R32 R33 R34 R35
R36 R37 R38 R39
R40 R41 R42 R43
D25..D30
4/2 AllRI
8/6CF Rip*1
STAT Lp
8/6 AllCentr
4/2 AllAlim
Rip
4/2 CLp
4/2 AllJMDPL
8/6 Cu
8/6p RCs1d
14/6 BA1I
14/6 BA1II
8/6 RCs1s*1
8/6 Cs1s
4/2 a1
4/2 a1
8/6p RCs2s
14/6 BA2I
14/6 BA2II
8/6 RCs2d*1
8/6 Cs2d
4/2 a2
4/2 a2
3 4 5 6

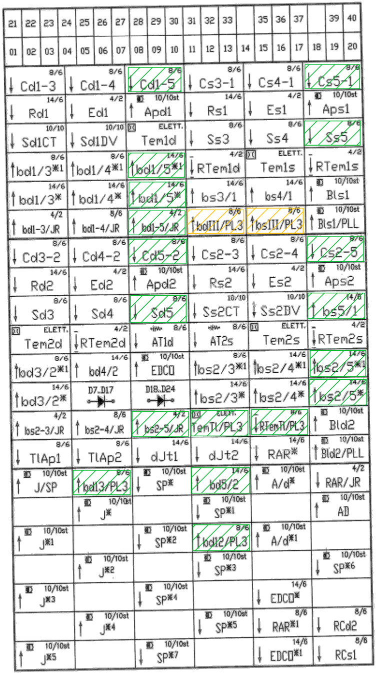
ARMADIO 3


21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 18 20
9/9 MPL1
9/9 APL1
8/6p KPL1
8/6p KPL1
8/6 PL1
R102 R103 R18 R19
8/6 SPL1
8/6-8Ω IllPL1a
8/6-8Ω IllPL1b
ELETT TemPL1
4/2 RTemPL1
RDZ1
9/9 MPLe2
9/9 APL2
8/6p KPL2
8/6p KPL2
8/6 PL2
ELETT TemPL2
4/2 RTemPL2
R20 R21
10/10 SPL2
8/6-8Ω IllPL2a'
8/6-8Ω IllPL2b'
8/6-8Ω IllPL2a''
8/6-8Ω IllPL2b''
RDZ2 RDZ3
9/9 MPL3
9/9 APL3
8/6p KPL3
8/6p KPL3
14/6 PL3
R104 R105 R22 R23
10/10 SPL3
8/6-8Ω IllPL3a'
8/6-8Ω IllPL3b'
8/6-8Ω IllPL3b''
8/6-8Ω IllPL3a''
RDZ4 RDZ4
ELETT TemPL3
4/2 RTemPL3
14/6 RsPLL1
8/6 NlPLL1
8/6 RTlPLL1
14/6 RdPLL2
8/6 NlPLL2
8/6 RTlPLL2
14/6 ACPLL110/1
8/6 PLL110/1
8/6p CAPLL110/1
8/6p CBPLL110/1
4/2 RKPLL110/1
4/2 AllbPLL110/1
14/6 ACPLL220/1
8/6 PLL220/1
8/6p CAPLL220/1
8/6p CBPLL220/1
4/2 RKPLL220/1
4/2 AllbPLL220/1
14/6 ACPLL310/1L
8/6 PLL310/1L
8/6p CAPLL310/1L
8/6p CBPLL310/1L
4/2 RKPLL310/1L
14/6 ACPLL130/2
8/6 PLL130/2
8/6p CAPLL130/2
8/6p CBPLL130/2
4/2 RKPLL130/2
4/2 AllbPLL130/2
14/6 ACPLL210/2L
8/6 PLL210/2L
8/6p CAPLL210/2L
8/6p CBPLL210/2L
4/2 RKPLL210/2L
R48 R49 R50 R51
R52 R53 R54 R55
R56 R57 R58 R59
R60 R61 R62 R63
R64 R65 R66 R67
R68 R69 R70 R71
R72 R73 R74 R75
R76 R77 R78 R79
R80 R81 R82 R83
R84 R85 R86 R87
R88 R89 R90 R91
R92 R93 R94 R95
R96 R97 R98 R99

ARMADIO 4


21 22 23 24 25 26 27 29 30 31 32 33 34 35 36 37 38 39 40
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20
9/9 M1
9/9 A1
8/6p KD1
8/6p KD1
14/6 m1*
8/6 m1*1
14/6 D1
14/6 D1
14/6 m1*
8/6 m1*1
TELER. T1
4/2 AD1
14/6 Ch1
8/6 CBiD1
10/10 Fd103
14/6 KFd103
9/9 M2
9/9 A2
8/6p KD2
8/6p KD2
14/6 m2*
8/6 m2*1
14/6 D2
14/6 D2
14/6 m2*
8/6 m2*1
TELER. T2
4/2 AD2
14/6 Ch2
8/6 CBiD2
10/10 Fd101
14/6 KFd101
9/9 M3
9/9 A3
8/6p KD3
8/6p KD3
14/6 m3*
8/6 m3*1
14/6 D3
14/6 D3
14/6 m3*
8/6 m3*1
TELER. T3
4/2 AD3
14/6 Ch3
8/6 CBiD3
10/10 Fd102
14/6 KFd102
9/9 M4
9/9 A4
8/6p KD4
8/6p KD4
14/6 m4*
8/6 m4*1
14/6 D4
14/6 D4
14/6 m4*
8/6 m4*1
TELER. T4
4/2 AD4
14/6 Ch4
8/6 CBiD4
10/10 F101
14/6 KFD101
4/6 CB10
4/6 CB11
4/6 CB12
4/6 CB13
4/6 CBI
4/6 CBII
14/6 cb10*
14/6 cb11*
14/6 cb12*
14/6 cb13*
14/6 cbI*
14/6 cbII*
14/6 cb10*1
14/6 cb11*1
8/6 cb12*1
8/6 cb13*1
8/6 cbI*1
8/6 cbII*1
4/6 CBIII'
4/6 CB21
4/6 CB20
8/6 RTbTc
14/6 MD
ELETT. TemMDJ
8/6 MDJ
8/6 RMD
4/6 CBIII''
14/6 cbIII'*
14/6 cb21*
14/6 cb20*
8/6 cbIII'*1
14/6 cb21*1
14/6 cb20*1
14/6 cbIII''*
4/2 Ill
8/6 Rch/FV
8/6 RchI/1
8/6 RchII/1
8/6 RchII/2
8/6 cbIII''*1

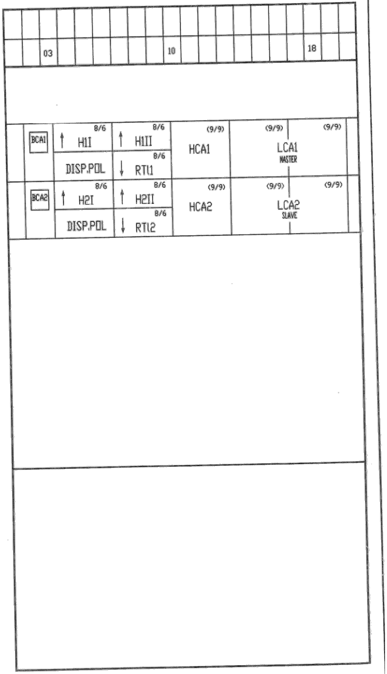
ARMADIO 5



21	22	23	24	25	26	27	28	29	30	31	32	33		35	36	37		39	40
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20

8/6 ↓ Cd1-3	8/6 ↓ Cd1-4	8/6 ↓ Cd1-5	8/6 ↓ Cs3-1	8/6 ↓ Cs4-1	8/6 ↓ Cs5-1
14/6 ↓ Rd1	4/2 ↓ Ed1	10/10st ↑ Apd1	14/6 ↓ Rs1	4/2 ↓ Es1	10/10st ↑ Aps1
10/10 ↓ Sd1CT	10/10 ↓ Sd1DV	ELETT. Tem1d	8/6 ↓ Ss3	8/6 ↓ Ss4	8/6 ↓ Ss5
8/6 ↑ bd1/3^{*1}	8/6 ↑ bd1/4^{*1}	14/6 ↑ bd1/5^{*1}	4/2 ↓ RTem1d	ELETT. Tem1s	4/2 ↓ RTem1s
14/6 ↑ bd1/3*	14/6 ↑ bd1/4*	14/6 ↑ bd1/5*	14/6 ↑ bs3/1	14/6 ↑ bs4/1	10/10st ↑ Bls1
4/2 ↑ bd1-3/JR	8/6 ↑ bd1-4/JR	4/2 ↑ bd1-5/JR	8/6 ↑ bdIII/PL3	8/6 ↑ bsIII/PL3	10/10st ↑ Bls1/PLL
8/6 ↓ Cd3-2	8/6 ↓ Cd4-2	8/6 ↓ Cd5-2	8/6 ↓ Cs2-3	8/6 ↓ Cs2-4	8/6 ↓ Cs2-5
14/6 ↓ Rd2	4/2 ↓ Ed2	10/10st ↑ Apd2	14/6 ↓ Rs2	4/2 ↓ Es2	10/10st ↑ Aps2
8/6 ↓ Sd3	8/6 ↓ Sd4	8/6 ↓ Sd5	10/10 ↓ Ss2CT	10/10 ↓ Ss2DV	14/6 ↑ bs5/1
ELETT. Tem2d	4/2 ↓ RTem2d	8/6 ↓ AT1d	8/6 ↓ AT2s	ELETT. Tem2s	4/2 ↓ RTem2s
8/6 ↑ bd3/2^{*1}	14/6 ↑ bd4/2	10/10st ↑ EDCO	8/6 ↑ bs2/3^{*1}	14/6 ↑ bs2/4^{*1}	14/6 ↑ bs2/5^{*1}
14/6 ↑ bd3/2*	D7..D17	D18..D24	14/6 ↑ bs2/3*	14/6 ↑ bs2/4*	14/6 ↑ bs2/5*
4/2 ↑ bs2-3/JR	8/6 ↑ bs2-4/JR	4/2 ↑ bs2-5/JR	ELETT. TemTl/PL3	8/6 ↓ RTemTl/PL3	10/10st ↑ Bld2
8/6 ↓ TlAp1	8/6 ↓ TlAp2	14/6 ↓ dJt1	14/6 ↓ dJt2	14/6 ↓ RAR*	10/10st ↑ Bld2/PLL
10/10st ↑ J/SP	8/6 ↑ bd13/PL3	10/10st ↓ SP*	14/6 ↑ bd5/2	10/10st ↑ A/d*	4/2 ↓ RAR/JR
	10/10st ↑ J*		10/10st ↓ SP^{*1}		10/10st ↑ AD
10/10st ↑ J^{*1}		10/10st ↓ SP^{*2}	8/6 ↑ bd12/PL3	10/10st ↑ A/d^{*1}	
	10/10st ↑ J^{*2}		10/10st ↓ SP^{*3}		10/10st ↓ SP^{*6}
10/10st ↑ J^{*3}		10/10st ↓ SP^{*4}		14/6 ↓ EDCO*	
	10/10st ↑ J^{*4}		10/10st ↓ SP^{*5}	8/6 ↓ RAR^{*1}	8/6 ↓ RCd2
10/10st ↑ J^{*5}		10/10st ↓ SP^{*7}		14/6 ↓ EDCO^{*1}	8/6 ↓ RCs1

ARMADIO 6



		03							10								18		

BCA1	8/6 ↑ H1I	8/6 ↑ H1II	(9/9) HCA1	(9/9) (9/9) LCA1 MASTER
	DISP.POL	8/6 ↓ RTl1		
BCA2	8/6 ↑ H2I	8/6 ↑ H2II	(9/9) HCA2	(9/9) (9/9) LCA2 SLAVE
	DISP.POL	8/6 ↓ RTl2		

ARMADIO 7