

**1-ALLGEMEINES
GENERAL
GENERALE
GENERALI**

**2-HAUPTSTÜCKLISTE
MAIN PARTS LIST
LISTE DE PIECES PRINCIPALE
ELENCO COMPONENTIS**

**3-ELEKTRIK
ELECTRICS
ELECTRIQUE
ELETTRICA**

**4-MASCHINENDATEN
MACHINE DATA
DONNEES MACHINE
DATI MACCHINA**

**5-PROGRAMMAUSDRUCK
PROGRAM LISTING
LISTE DE PROGRAMMES
IMPRESSIONE PROGRAMMA**

**6-HYDRAULIK
HYDRAULICS
HYDRAULIQUE
IMPIANTO OLEODINAMICO**

**7-PNEUMATIK
PNEUMATICS
PNEUMATIQUE
PNEUMATICA**

COM.-NR/COM.-NO/N° COM./COM.-N°

52.588.00

TYP/TYPE/TYPE/TIPO

SRV6

**8-AUFSTELLUNGSPLAN
INSTALLATION DRAWING
PLAN D'IMPLANTATION
PIANO DI MONTAGGIO**

**9-MECHANIK
MECHANICS
MECANIQUE
MECCANICA**

**10-ERSATZTEILLISTEN
SPARE PARTS LISTS
LISTE DE PIECES DE RECHANGE
ELENCO RICAMBI**

KUNDENDIENST . CUSTOMER SERVICE . SERVICE APRES-VENTE - SERVIZIO
ASSISTENZA CLIENTELA . SERVICIO POST VENTA

DEUTSCHLAND:

REIS ROBOTICS

Industriegebiet an der B469
D-63785 OBERNBURG

Phone: (0)6022/503-0
FAX: (0)6022/503-110
http://www.reisrobotics.de

Service/servizio/assistenza: (0)6022/503-

Leitung/Manager/Directeur

- 233

Roboter, Schweißen/robots/welding/soudage

- 266 / - 246

Roboter, Pressen/robots/presses

- 252

Ersatzteile/Spare Parts/pièces de rechange

- 244 / - 255

Druckguß/diecasting/moulage sous pression

- 252

Handhabung/handling/maniement

- 245 / - 234

Beschichtung/coating/enduite

- 245 / - 234

ARGENTINIEN:

Welding Argentina S.A.
Mr. Abelardo D. Lago/Mr. Nozialak
Matheu 52

RA-1725 LOMAS DEL MIRADOR
Pcia. Buenos Aires

(0054) 1-655-4586
Fax: (0054) 1-655-0295

BELGIEN:

Corden-Robots
Frau Denuit-Cordenier
242, Bd. G. Wahis

B-1030 BRÜSSEL

(0032) 2-705 34 49
FAX: (0032) 2-705 35 56

BRASILIEN:

Reis Robotics do Brasil Ltda.
Mr. Rolf-Rainer Kalker
Rua Dr. Ribeiro de Almeida, 286

BR - 01137 - 020 Sao Paulo - SP

(0055) 11-3666 9289
Fax: (0055) 11-826 4076

CHINA:

Beijing Aeronautical Manufacturing
Technology Research Institute
Mr. Wu Qian
Ba-Li-Qiao, Chaoyang District
P.O. Box 863

P.R. CHINA-BEIJING 100024
 (0086) 1-576 32 45
Fax: (0086) 1-576 23 06
Telex: 4315 Beijing

CHINA:

Changan Automobile Co. Ltd.
Special Machine Works
Mr. Xiao Xiu Shan

P.R. CHINA-CHONGQING 630023
 (0086) 811-787 2884
Fax: (0086) 811-785 2882

CHINA:

Representant REIS
Mr. Liu Jingshend
20-4 Building 2
Guangximen Beil
Chaoyang District

P.R. CHINA-BEIJING 100028
 (0086) 1391125824
Fax / (0086) 106-513 5379

GRIECHENLAND:

(only welding)

Center of Welding & Cutting Machines
Filoplume Tzimas
Mr. Filoplume Tzimas
156 Gannitson Str.

GR-54628 Salonika

Phone: (0030) 31 533 043 or 31 528 024
Fax: (0030) 31-513 177

IRAN:

BARGH SANAT
Mr Bargh Djelveh
No. 1, 1 corner of Amini Alley
End of Tur st.
Africa Ave.

19176 Teheran - IRAN

Phone: (0098) 21-8086-120
Fax: (0098) 21-8085-126

ISRAEL:

David Eisen Machinery LTD.
Mr. David Eisen
6 Shvil Hatnufa St
P.O. Box 35013

IL-61350 TEL-AVIV

Phone: (00972) 3-6819191
FAX: (00972) 3-6815366

MALAYSIA:

Weldcentre (M) Sdn. Bhd.
Mr. Davic E. C. Ng
15 & 17, Jalan 33/1A,
Jalan Biola Satu, Section 33
Elite Industrial Estate

Malaysia 40350 Shah Alam, Selangor

Phone: (0060) 3-521-9999
FAX: (0060) 3-521-9968

ITALIEN:

REIS Robotics Italia S.r.l.
Sig. Cavallero
Via del Lavoro 42

I-20040 Bellusco

Phone: (0039) 0 39-6 06 70 20
FAX: (0039) 0 39-6 06 70 12
Auto: (0039) 337-875 675

NIEDERLANDE (nur Druckguß):

Gieterij-Techniek
"HOLLAND BV"
Herr Broeren
Postbus 128

NL-7580 AC LOSSER

Phone: (0031) 5353-83 765
FAX: (0031) 5353-86 465

INDIEN (only TUS):

Empire Machine Tools
Mr. P. N. Rao
Empire House, 414, Senapati Bapat Marg,
Lower Parel

IND-BOMBAY 400 013

Phone: (0091) 22-4 93 41 38
Fax: (0091) 22-4 93 53 63

NIEDERLANDE (Nicht Druckguß):

Exner Ingenieurstechniek BV
Herr Emil Exner
Boosseestraat 20

NL-6658 AT BENEDEN-LEEUWEN

Phone: (0031) 48759-4411
FAX: (0031) 48759-4210
Auto: (0031) 651-305523 (Hr. Exner sen.)
(0031) 653-190196 (Hr. Exner jun.)

CHECH REPUBLIC:
(only Spotting and Try out press)

Jiri Škarouka - OPT Blansko

Herr Jiri Škarouka

Podlesí 2

CZ - 678 01 BLANSKO

Phone: (00420) 506 417 134
FAX: (00420) 506 417 134
Handy: (00420) 602 756 633

TURKEY:

CEFIP Ltd.
Herr Ozcan
Siyavuspasa Sok.
Asilsoy Ticaret Merkezi No. 12/3

TR-34450 Süleymaniye- Istanbul

Phone: (0090) 2125 127 416
Fax: (0090) 2125 127 417

TURKEY:

CEFIP Ltd
Herr Ozcan
Wilhelmstr. 61

D-44649 Herne

Phone: 02325/5 60 49
Fax: 02325/5 57 49
Auto: 0172/7 40 19 87

USA:

REIS MACHINES INC.
1320, Holmes Road

USA-ELGIN IL 60123

Phone: (001) 847-741-9500
Fax: (001) 847-888-2762
Telex: 023/9102514481



Manufacturer's Certificate

as defined by the EC machine guideline 98/37/EG

We herewith declare that the robot

Type: SRV6

Com.-No.: 52.588.00

Order No: Fax - Mr. Kari Ahola of 24.05.99

is determined for operation in a production cell and that startup of the same is not allowed before having ascertained that the production cell the robot shall be integrated into is in accordance with the EC guideline 98/37/EG.

Harmonized standards used, in particular:

EN 292 part 1 + part 2

(VDE 0113, part 1)

EN 418

Emergency stop equipment

EN 775

Manipulating industrial robots

EN 50081 part 2

Electromagnetic compatibility

Basic standard "Interferences"

EN 50082 part 2

Electromagnetic compatibility

Basic standard „Immunity from interferences“

National technical specifications used, in particular:

UVV 1.0

General regulations (VBG 1)

UVV 7.0

Electric installations and machinery materials (VBG 4)

UVV 10.0

Power-driven operating means (VBG 5)

VDI 2854

Safety requirements for automated manufacturing systems

DIN VDE 0160

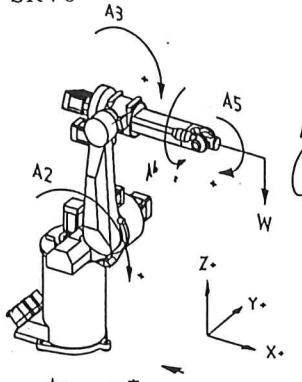
Equipment of power plants with electronic machinery

materials

14. Dez 99

Obernburg,
(date, Head of Department Services - D. Morhard)

REIS GMBH & CO MASCHINENFABRIK OBERNBURG

Typ/type/type: SRV6	Com.-Nr. com.no. com.no.	52.588.00	Standort site site
	Inventory-Nr. inventory no. no. inventaire	Abteilung department département	
	Kostenstelle cost section centre de frais		
	Baujahr year of manuf. année de fabr.	1999	
	Anschaffung purchase acquisition		
Zubehör accessories accessoires	Bemerkungen remarks remarques		

ROBOTstar V		Achse axis axe									
		1	2	3	4	5	6	7	8		
Drehwinkel rotation angle angle de rotation	°	+150 -180	+ 30 -135	+ 150 -120	+180 -180	+123 -123	+360 -360	RDK05	RDK05		
Geschwindigkeit velocity vitesse	°/s mm/s	140	140	140	270	270	400				
Hersteller manufacturer fabricant		Baumüller	Baumüller	Baumüller	Baumüller	Baumüller	Baumüller				
Typ type type		DSG45M	DSG56M	DSG45S	DSG45S	DSG45S	DSG45S				
Motor-Inv.-Nr. motor in. no. no. inv. du moteur											
Leistung power puissance	KW	0,63	2,35	0,29	0,29	0,29	0,29*				
Strom current courant	A	1,6	4,0	0,8	0,8	0,8	0,8				
Drehzahl r.p.m. tours	1/min	4000	4000	4000	4000	4000	4000				
Motor/motor/moteur Schutzart syst. of protection protection	IP	65	65	65	65	65	65				



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as defined by the EC machine guideline 98/37/EG

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Type: SRV6

Com.-No.: 52.588.00

Order No: Fax - Mr. Kari Ahola of 24.05.99

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Harmonized standards used, in particular:

EN 292 part 1 + part 2

(VDE 0113, part 1)

EN 418

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EN 775

Manipulating industrial robots

EN 50081 part 2

Electromagnetic compatibility

EN 50082 part 2

Basic standard "Interferences"

Electromagnetic compatibility

Basic standard „Immunity from interferences“

National technical specifications used, in particular:

UVV 1.0

General regulations (VBG 1)

UVV 7.0

Electric installations and machinery materials (VBG 4)

UVV 10.0

Power-driven operating meansl (VBG 5)

VDI 2854

Safety requirements for automated manufacturing systems

DIN VDE 0160

Equipment of power plants with electronic machinery

materials

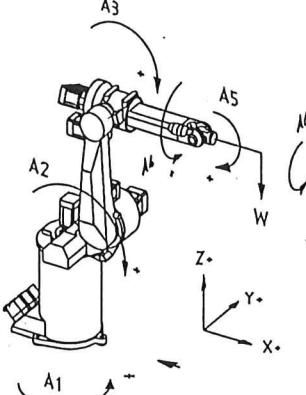
14. Dez 99 *[Signature]*

Obernburg,
(date , Head of Department Services – D. Morhard)

REIS GMBH & CO MASCHINENFABRIK OBERNBURG

Typ/type/type:

SRV6



Com.-Nr.
com.no.
com.no.

52.588.00

Standort
site
site

Inventory-Nr.
inventory no.
no. inventaire

Abteilung
department
département

Kostenstelle
cost section
centre de frais

Baujahr 1999
year of manuf.
année de fabr.

Anschaffung
purchase
acquisition

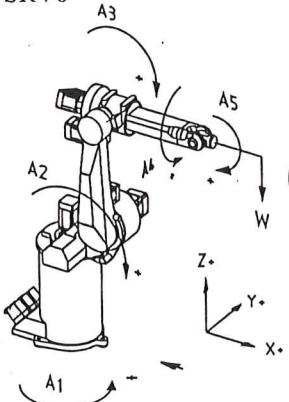
Zubehör
accessories
accessoires

Bemerkungen
remarks
remarques

ROBOTstar V		Achse axis axe									
		1	2	3	4	5	6	7	8		
Drehwinkel rotation angle angle de rotation	°	+150 -180	+30 -135	+150 -120	+180 -180	+123 -123	+360 -360	RDK05	RDK05		
Geschwindigkeit velocity vitesse	°/s mm/s	140	140	140	270	270	400				
Hersteller manufacturer fabricant		Baumüller	Baumüller	Baumüller	Baumüller	Baumüller	Baumüller				
Typ type type		DSG45M	DSG56M	DSG45S	DSG45S	DSG45S	DSG45S				
Motor-Inv.-Nr. motor in. no. no. inv. du moteur											
Leistung power puissance	KW	0,63	2,35	0,29	0,29	0,29	0,29*				
Strom current courant	A	1,6	4,0	0,8	0,8	0,8	0,8				
Drehzahl r.p.m. tours	1/min	4000	4000	4000	4000	4000	4000				
Motor/motor/moteur Schutzart syst. of protection protection	IP	65	65	65	65	65	65				

Pneumatik/pneumatics/pneumatique (wenn vorhanden/if applicable/le cas échéant)			
Fließdruck/flow pressure/pression d'écoulement	bar	5 ≤ 7	
Versorgungsquerschnitt/supply cross section/section d'alimentation			
Hydraulik/hydraulics/hydraulique (wenn vorhanden/if applicable/le cas échéant)			
Mechanik/mecanics/mécanique			
Gewicht/weight/poids	Kg		
Roboter/robot/robot		≈ 200	
Schaltschrank/control cabinet/armoire de commande			
Maximallast/max. load/charge maximale	Kg	.6	
Standfläche/floor space/empacement	m x m		
Grundplatte/base plate/plaque de base			
Schaltschrank/control cabinet/armoire de commande		0,6 x 0,8	
Ausgestellt issued délivré	Datum date date	Name name nom	Jacobi
			DatK_rv6_RSV.doc/21.12.98 08:08/D/E/F

Typ/type/type:
SRV6



Com.-Nr.
com.no.
com.no.

52.588.00

Standort
site
site

Inventory-Nr.
inventory no.
no. inventaire

Abteilung
department
département

Kostenstelle
cost section
centre de frais

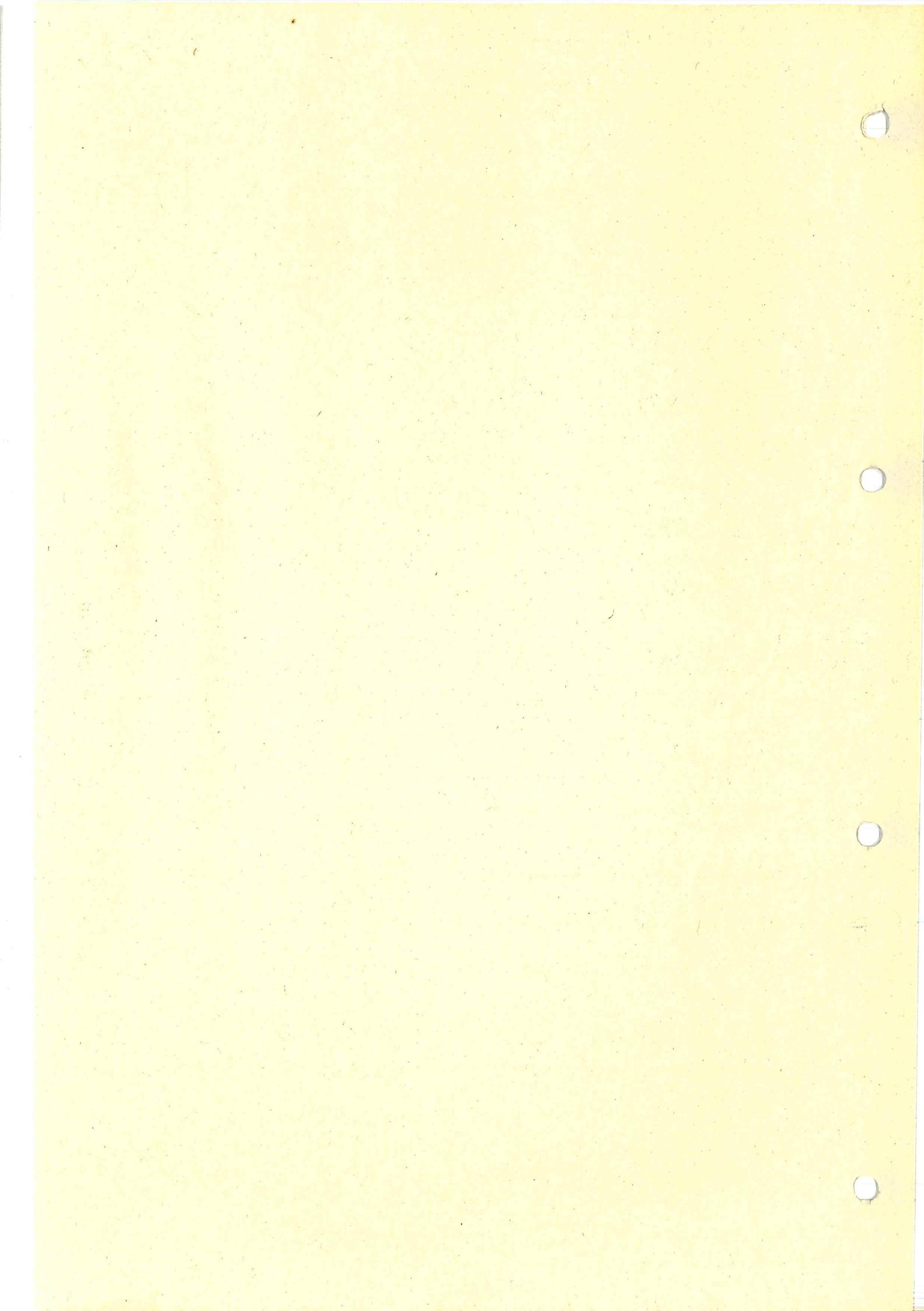
Baujahr 1999
year of manuf.
année de fabr.

Anschaffung
purchase
acquisition

Zubehör
accessories
accessoires

Bemerkungen
remarks
remarques

ROBOTstar V		Achse axis axe									
		1	2	3	4	5	6	7	8		
Drehwinkel rotation angle angle de rotation	°	+150 -180	+30 -135	+150 -120	+180 -180	+123 -123	+360 -360	RDK05	RDK05		
Geschwindigkeit velocity vitesse	°/s mm/s	140	140	140	270	270	400				
Hersteller manufacturer fabricant		Baumüller	Baumüller	Baumüller	Baumüller	Baumüller	Baumüller				
Typ type type		DSG45M	DSG56M	DSG45S	DSG45S	DSG45S	DSG45S				
Motor-Inv.-Nr. motor in. no. no. inv. du moteur											
Leistung power puissance	KW	0,63	2,35	0,29	0,29	0,29	0,29*				
Strom current courant	A	1,6	4,0	0,8	0,8	0,8	0,8				
Drehzahl r.p.m. tours	1/min	4000	4000	4000	4000	4000	4000				
Motor/motor/moteur Schutzart syst. of protection protection	IP	65	65	65	65	65	65				





Manufacturer's Certificate

as defined by the EC machine guideline 98/37/EG

We herewith declare that the robot

Type: SRV6

Com.-No.: 52.588.00

Order No: Fax - Mr. Kari Ahola of 24.05.99

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Harmonized standards used, in particular:

EN 292 part 1 + part 2

EN 60 204 part 1

EN 418

EN 775

EN 50081 part 2

EN 50082 part 2

(VDE 0113, part 1)

Emergency stop equipment

Manipulating industrial robots

Electromagnetic compatibility

Basic standard "Interferences"

Electromagnetic compatibility

Basic standard „Immunity from interferences“

National technical specifications used, in particular:

UVV 1.0

UVV 7.0

UVV 10.0

VDI 2854

DIN VDE 0160

General regulations (VBG 1)

Electric installations and machinery materials (VBG 4)

Power-driven operating meansl (VBG 5)

Safety requirements for automated manufacturing systems

Equipment of power plants with electronic machinery

materials

14. Dez 99 /

Obernburg,
(date, Head of Department Services - D. Morhard)

REIS GMBH & CO MASCHINENFABRIK OBERNBURG

STAGE ID.NO.	ITM QTY	H A M E D I S I G N A T I O N	DRAWING NO	GROUP	VT-S ETK
2577635		EF STK * SRV6 PLASMA MODUL	COM. 52.588.00	998	N N
1	2578633 100	1,000 EF STK ELECTRIC	COM. 52.588.00	964	N 0 0 0
1	2578641 300	1,000 EF STK HYDR./PNEUM.	COM. 52.588.00	964	N 0 0 0
1	2578658 400	1,000 EF STK MECHANIC	COM. 52.588.00	964	N 0 0 0
1	2559989 810	1,000 EF STK * MECH.INST. PLASMA MOD. RV/RH		962	N 0 3 3
1	2559997 820	1,000 EF STK * EL.INST. PLASMA MOD. RV/RH		962	N 0 3 3
1	2560003 840	1,000 EF STK * PN.INST. PLASMA MOD. RV/RH		962	N 0 3 3
1	2577643 850	1,000 EF STK * PLASMA MODUL SRV6 ZEIT	COM. 52.588.00	965	N 0 0 0

VT = Verschleissteil J/N

E = Ersatzteil 1=Ersatzteil 6=Ersatzteiltrakt

T = Teilstammstatus 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

S = Stuecklistenstat 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

----- Ende der Liste -----

STAGE ID.NO.	ITM QTY	NAME DISIGNATION	DRAWING NO	GROUP	VT-S ETK
2578633		EF STK ELECTRIC	COM. 52.588.00	964	N N
1	2530527	1,000 EF STK AXIS 1-6 RV6 RS5 CONTROL CABINET	012984	92	N 0 0 0
1	2530519	1,000 EF STK AXIS 1-6 RV6/16/6L MACHINE RS5	012984	92	N 0 0 0
1	2530501	1,000 EF STK SUPPLY LINE 6 AXES RS5	012984	92	N 0 0 0
1	2138966	1,000 EF STK CONTROL CABINET WIRING MAT.RSV	012729	92	N 0 0 0
1	2530857	1,000 EF STK SAFETY-CONTR. WITH ACC.	013020	92	N 0 0 0
1	2364778	1,000 EF STK RACK 2 SLOT/POWER PACK/ACC. RS5		92	N 0 0 0
1	2364109	1,000 EF STK AKKU 12V/3,5AH + ACC.		92	N 0 0 0
1	2140442	1,000 EF STK DISK-LW / FRONT PLATE / E-BOX / CONNECTING MATERIAL	012945	92	N 0 0 0
1	2363713	1,000 EF STK CC-MECH./1200/RS5		92	N 0 0 0
1	2140350	1,000 FB STK PORT.TEACH PEND. / VERSION 3.01	5000	36 MEGATEC ELEC	N 6 0 0
1	2140376	1,000 EF STK PORT.TEACH PEND. CABLE RSV 7,5 M		92	N 6 0 0
1	2416024	1,000 FB STK TEACH PENDANT DOIL FOR RABASSIST	SKR 8534 D -C	36	N 0 0 2
1	2363523	1,000 EF STK ADDITIONAL AXIS RS5 RDK05		92	N 0 0 2
1	2141010	1,000 EF STK DNC REMOTE CUSTOMER SERVICE ENGLISH		92	N 0 0 2
1	1539726	1,000 EF STK SENSOR CONTROL FOR CONTACT SENSOR		92	N 0 0 2
1	2530402	1,000 EF STK ACC. WELDING RS5	012984	92	N 0 0 2
1	2216507	1,000 EF STK WIR.DIAGR. + ACC. 52.588.00	013326	90	N 0 0 2

VT = Verschleissteil J/N

E = Ersatzteil 1=Ersatzteil 6=Ersatzteilepaket

T = Teilstammstatus 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

S = Stuecklistenstat 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

----- Ende der Liste -----

STAGE ID.NO.	ITM QTY	NAME DISIGNATION	DRAWING NO	GROUP	VT-S ETK
2578641		EF STK HYDR./PNEUM.	COM. 52.588.00	964	N'N
1	1403220 1	1,000 EF STK COVER KIT RV6/15	307.0100.0.00-7 -C 484		N O O O

VT = Verschleissteil J/N
E = Ersatzteil 1=Ersatzteil 6=Ersatzteiltrakt
T = Teilstammstatus 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant
S = Stuecklistenstat 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

----- Ende der Liste -----

STAGE ID.NO.	ITM QTY	NAME DESIGNATION	DRAWING NO	GROUP	VT-S ETK
2578658		EF STK MECHANIC	COM. 52.588.00	964	N N
1	2278200 401	1,000 FB STK MACHINE IDENT.PLATE 70X82X0.8	350.9809.4.00	754 KUENKLER EGO	N 0 0 0
1	2048553 410	1,000 EF STK RV6/16 AXIS BASIC ASSY. (560 V)	484		N 0 0 0
1	2048702 411	1,000 EF STK RV6 ACHSE 1 DRIVE RSV UZK=560V	307.0170.0.00	-C 484	N 0 0 0
1	1428888 420	1,000 EF STK RV6/16 AXIS 2/3-BASIC ASSY. UNIT	307.0220.0.00	-C 484	N 0 0 0
1	2276444 421	1,000 EF STK RV6 AXIS 2 DRIVE RS5 UZK=560	307.0220.0.00	-C 484	N 0 0 0
1	2276568 431	1,000 EF STK RV 6 AXIS 3 DRIVE RS5 UZK=560V	307.0320.0.00	-C 484	N 0 0 0
1	1969402 440	1,000 EF STK RV6/6L/16 AXIS 4 BASIC ASSEMBLY UNIT	307.0450.0.00	-C 484	N 0 0 0
1	2277160 441	1,000 EF STK RV6 A4/5/6 DRIVE BASIC ASSY. RS5	307.0400.0.00-1	484	N 0 0 0
1	2277285 442	1,000 EF STK RV6 AXIS 5/6 DRIVE L540 RS5 UZK=560V	307.0400.0.00-1	484	N 0 0 0
1	1463075 450	1,000 EF STK RV6 AXIS 5/6 HEAD -C	307.0600.0.00-1	-C 484	N 1 0 0
1	2277640 455	1,000 EF STK MACH.INST. BASIC ASSY. RV6/16 RS5	RSV-560V	92	N 0 0 0
1	2281097 460	1,000 EF STK BASIC ASSEMBLY UNIT RDM05	309.3500.0.00	468	N 0 0 2
1	251983 461	1,000 EF STK TILTING AXIS RDK05 BASIC ASSY.UNIT	309.3600.0.00-2	468	N 0 0 2
1	2276683 462	1,000 EF STK RV16/6L AXIS 2 DRIVE RS5 UZK=560V 1.0	307.0220.0.00	-C 484	N 0 0 2
1	1831586 463	1,000 EF STK RDK/RDM05 FACE PLATE RD600 WITH ACC.		468	N 0 0 2
1	1544635 464	1,000 EF STK EARTH COUPLING RDK05	309.3600.0.00-2	468	N 0 0 2
1	1577957 465	1,000 EF STK ENERGY SUPPLY LINE RDK05	309.3600.0.00-2	493	N 0 0 2
1	1723361 466	1,000 EF STK RDK02/05 FIXTURE W/O ALIGMENT M16		478	N 0 0 2
1	1400648 467	1,000 EF STK REFERENCE MARKING RDK		488	N 0 0 2
1	2278200 468	1,000 FB STK MACHINE IDENT.PLATE 70X82X0.8	350.9809.4.00	754 KUENKLER EGO	N 0 0 2

VT = Verschleissteil J/N

E = Ersatzteil 1=Ersatzteil 6=Ersatzteilepaket

T = Teilestammstatus 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

S = Stuecklistenstat 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

-- Ende der Liste --

Legende für Stückliste / Ersatzteilliste
legend of the list of parts / spare parts list

POS.	MENGE	BEZEICHNUNG	ZEICHNUNGEN	ID.NR.	Lieferant / Hersteller
Position der Stückliste	Summe der Bauteile/Einzelteile in der angegebenen Position	Name der Baugruppe • des Bauteils • des Einzelteils Artikelbezeichnung des Herstellers	Zeichnungsnummer bzw. Schaltplannummer	REIS-Bestellnummer	Wenn keine Angabe, dann REIS
ITEM	QUANTITY	DESIGNATION	DRAWING NO.	ID-NO.	SUPPLIER/ MANUFACTURER
item of the list of parts	sum of components/ individual parts in the indicated item	name • of the assembly unit • of the component • of the individual part designation of article of the manufacturer	number of the drawing or number of the circuit diagram	REIS-order-no.	If not otherwise mentioned: REIS

Beispiel:

- example:**
- 102 Baugruppe mit mehreren Bauteilen / assembly group with several components
 - 15 Bauteil einer Baugruppe / component of an assembly group
 - 2 Einzelteil eines Bauteils / individual part of a component

SPARE - PARTS LIST

Elektrik

Date : 20.12.99 Page : 1

DESIGNATION	SRV6 PLASMA MODUL	DRAWING :	COM. 52.588.00	ID-NO. :	2577635
Pos	QTY ME DESIGNATION	DRAWING NO.	ID.NO. TYP AVA	PE	MANUFACTURE
100	1 STK ELECTRIC	COM. 52.588.00	2578633 0 L	1	
1	1 STK AXIS 1-6 RV6 RS5 CONTROL CABINET	012984	2530527 0	1	
21	1 STK REGULATOR 4003	6021	2138602 6	1	I R T SA
28	1 STK MOTOR LINE / SS		2139022 1	1	
29	1 STK RESOLVER LINE / SS		2139014 1	1	
2	1 STK D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	1476119 6 L	1	HARTING ELEKTRONIK
3	9 STK CRIMP CONTACT D-SUB PIN FL20PL	0962	1476135 6 L	3	F C T ELECTRONIC GM
4	1 STK FULL METAL HOOD 9P.45DEGR. FMK1	0911	1476192 6 L	1	F C T ELECTRONIC GM
6	11 STK CRIMP CONTACTS 0,14AU BU.09150006224	2022	1477091 6 L	3	HARTING ELEKTRONIK
7	1 STK CRIMP CONTACTS 1,5 AU 09 15 000 6221	2028	1477117 6 L	3	HARTING ELEKTRONIK
31	1 STK REGULATOR 4005	6022	2138610 6	1	I R T SA
38	1 STK MOTOR LINE / SS		2139022 1	1	
39	1 STK RESOLVER LINE / SS		2139014 1	1	
2	1 STK D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	1476119 6 L	1	HARTING ELEKTRONIK
3	9 STK CRIMP CONTACT D-SUB PIN FL20PL	0962	1476135 6 L	3	F C T ELECTRONIC GM
4	1 STK FULL METAL HOOD 9P.45DEGR. FMK1	0911	1476192 6 L	1	F C T ELECTRONIC GM
6	11 STK CRIMP CONTACTS 0,14AU BU.09150006224	2022	1477091 6 L	3	HARTING ELEKTRONIK
7	1 STK CRIMP CONTACTS 1,5 AU 09 15 000 6221	2028	1477117 6 L	3	HARTING ELEKTRONIK
41	1 STK REGULATOR 4003	6021	2138602 6	1	I R T SA
48	1 STK MOTOR LINE / SS		2139022 1	1	
49	1 STK RESOLVER LINE / SS		2139014 1	1	
2	1 STK D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	1476119 6 L	1	HARTING ELEKTRONIK
3	9 STK CRIMP CONTACT D-SUB PIN FL20PL	0962	1476135 6 L	3	F C T ELECTRONIC GM
4	1 STK FULL METAL HOOD 9P.45DEGR. FMK1	0911	1476192 6 L	1	F C T ELECTRONIC GM
6	11 STK CRIMP CONTACTS 0,14AU BU.09150006224	2022	1477091 6 L	3	HARTING ELEKTRONIK
7	1 STK CRIMP CONTACTS 1,5 AU 09 15 000 6221	2028	1477117 6 L	3	HARTING ELEKTRONIK
51	1 STK REGULATOR 4003	6021	2138602 6	1	I R T SA
58	1 STK MOTOR LINE / SS		2139022 1	1	
59	1 STK RESOLVER LINE / SS		2139014 1	1	
2	1 STK D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	1476119 6 L	1	HARTING ELEKTRONIK

EKZ : 1 = SPARE PART 6 = SPARE PART PACK - ITEM

EKZ : 3 = WEAR PART 5 = WEAR PART KIT

AVA : L = PART AVAILABLE IN LONGER TERM

DELIVERY ON REQUEST

VALIDITY OF QUOTE 6 MONTHS AFTER DATE OF PRINTOUT

SPARE - PARTS LIST

Elektrik

Date : 20.12.99 Page : 2

DESIGNATION SRV6 PLASMA MODUL

DRAWING : COM. 52.588.00

ID-NO. : 2577635

Pos	QTY	ME	DESIGNATION	DRAWING NO.	ID.NO.	TYP	AVA	PE	MANUFACTURE
3	9	STK	CRIMP CONTACT D-SUB PIN FL20PL	0962	1476135	6	L	3	F C T ELECTRONIC GM
4	1	STK	FULL METAL HOOD 9P.45DEGR. FMK1	0911	1476192	6	L	1	F C T ELECTRONIC GM
6	11	STK	CRIMP CONTACTS 0,14AU BU.09150006224	2022	1477091	6	L	3	HARTING ELEKTRONIK
7	1	STK	CRIMP CONTACTS 1,5 AU 09 15 000 6221	2028	1477117	6	L	3	HARTING ELEKTRONIK
61	1	STK	REGULATOR 4003	6021	2138602	6		1	I R T SA
68	1	STK	MOTOR LINE / SS		2139022	1		1	
69	1	STK	RESOLVER LINE / SS		2139014	1		1	
2	1	STK	D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	1476119	6	L	1	HARTING ELEKTRONIK
3	9	STK	CRIMP CONTACT D-SUB PIN FL20PL	0962	1476135	6	L	3	F C T ELECTRONIC GM
4	1	STK	FULL METAL HOOD 9P.45DEGR. FMK1	0911	1476192	6	L	1	F C T ELECTRONIC GM
6	11	STK	CRIMP CONTACTS 0,14AU BU.09150006224	2022	1477091	6	L	3	HARTING ELEKTRONIK
7	1	STK	CRIMP CONTACTS 1,5 AU 09 15 000 6221	2028	1477117	6	L	3	HARTING ELEKTRONIK
71	1	STK	REGULATOR 4003	6021	2138602	6		1	I R T SA
73	1	STK	CONNECTING CABLE CAN-BUS TWIS.P 10POL.		2363218	0		1	
1	1	STK	SUB-D 9POL.BU/INSULATION TERMINAL	1358	2140491	6	L	1	HARTING ELEKTRONIK
2	1	STK	SUB-D 9POL.BU/PLUG INSERT 09 66 118 7500	1357	2363671	6	L	1	HARTING ELEKTRONIK
4	4	STK	S-SUB SCREW CLIP 43438-3	0267	1764431	6		1	SCHURICHT GMBH & CO
78	1	STK	MOTOR LINE / SS		2139022	1		1	
79	1	STK	RESOLVER LINE / SS		2139014	1		1	
2	1	STK	D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	1476119	6	L	1	HARTING ELEKTRONIK
3	9	STK	CRIMP CONTACT D-SUB PIN FL20PL	0962	1476135	6	L	3	F C T ELECTRONIC GM
4	1	STK	FULL METAL HOOD 9P.45DEGR. FMK1	0911	1476192	6	L	1	F C T ELECTRONIC GM
6	11	STK	CRIMP CONTACTS 0,14AU BU.09150006224	2022	1477091	6	L	3	HARTING ELEKTRONIK
7	1	STK	CRIMP CONTACTS 1,5 AU 09 15 000 6221	2028	1477117	6	L	3	HARTING ELEKTRONIK
81	1	STK	FINAL RESISTOR XR120 CAN-BUS		2140533	0		1	
1	1	STK	SUB-D 9POL.BU/INSULATION TERMINAL	1358	2140491	1	L	1	HARTING ELEKTRONIK
2	2	STK	RESISTOR MS 1200HM/0,4W 331-946	3101	2140525	1		1	FARNELL ELECTRONIC
3	2	STK	S-SUB SCREW CLIP 43438-3	0267	1764431	1		1	SCHURICHT GMBH & CO

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DELIVERY ON REQUEST

VALIDITY OF QUOTE 6 MONTHS AFTER DATE OF PRINTOUT

SPARE - PARTS LIST

Elektrik

Date : 20.12.99 Page : 3

DESIGNATION SRV6 PLASMA MODUL DRAWING : COM. 52.588.00 ID-NO. : 2577635

Pos	QTY	ME	DESIGNATION	DRAWING NO.	ID.NO.	TYP AVA	PE	MANUFACTURE
6	1	STK	RACK 2SLOT/POWER PACK/ACC. RS5		2364778	0	1	
1	1	STK	VME-RACK 2SLOT 6HE/16TE 9999111	05006	2141077	6 L	1	RITTAL-WERK
3	3000	MM	OELFLEX NUMBERED CABLE 3X0,75	100103	745	1	4	SAB SIGNAL-ANLAGEN
4	7	STK	MULTICORE CABLE END 4096,0	0304	44925	1	3	WEIDMUELLER GMBH
6	1	STK	CPU-60D/32/CX STAND.	05000	2363879	1	1	FORCE COMPUTERS GMB
7	1	STK	M MODULE CARRIER + M MODULE		2365486	1	1	
9	1	STK	CONNECTING CABLE SAFETY-CONTR. M-MODUL TWIS.P. 10POL.		2363317	0	1	
2	2	STK	SUB-D 9POL.BU/PLUG INSERT 09 66 118 7500	1357	2363671	6 L	1	HARTING ELEKTRONIK
4	4	STK	S-SUB SCREW CLIP 43438-3	0267	1764431	6	1	SCHURICHT GMBH & CO
8	1	STK	DISK-LW / FRONT PLATE / E-BOX / CONNECTING MATERIAL	012945	2140442	0	1	
10	1	STK	DISK DRIVE 3.5" 1.44 MB	MF 355F-3250 MG	2130047	6	1	LION ELECTRONICS IN
10	1	STK	PORT.TEACH PEND. / VERSION 3.01	5000	2140350	6	1	MEGATEC ELECTRONIC
11	1	STK	PORT.TEACH PEND. CABLE RSV 7,5 M		2140376	6	1	
13	1	STK	ADDITIONAL AXIS RS5 RDK05		2363523	0	1	
1	1	STK	AC AXE / IRT 4005	013019	2531335	0	1	
1	1	STK	REGULATOR 4005	6022	2138610	6	1	I R T SA
8	1	STK	MOTOR LINE / SS		2139022	1	1	
9	1	STK	RESOLVER LINE CC-ADD.	013019	2531269	1	1	
11	1	STK	AC AXIS / IRT 4009	013019	2531343	0	1	
1	1	STK	REGULATOR 4009	6023	2138628	6	1	I R T SA
8	1	STK	MOTOR LINE / SS		2139022	1	1	
9	1	STK	RESOLVER LINE CC-ADD.	013019	2531269	1	1	
20	1	STK	CONTROL CABINET CONNECTION 46POL.	012945	2140483	0	1	
1	1	STK	HOUSING BOTTOM 09 30 024 0301	0408	338046	1 L	1	HARTING ELEKTRONIK
2	1	STK	JACK INSERT 09 32 046 3109	2522	2139220	1 L	1	HARTING ELEKTRONIK
3	1	STK	PIN INSERT 09 32 046 3009	2521	2139238	1	1	HARTING ELEKTRONIK
4	1	STK	SOCKET HOUSING 09 30 024 0521	0403	1170688	1	1	HARTING ELEKTRONIK
15	1	STK	SENSOR CONTROL FOR CONTACT SENSOR		1539726	0	1	
2	10000	MM	LIYCY 3X0,5/55 SCREENED	501603	955054	1 L	4	WEYDEMAYER GMBH
3	1	STK	BOARD FOR CONTACT SENSOR	09000	749424	6	1	MEGATEC ELECTRONIC
16	1	STK	ACC. WELDING RS5	012984	2530402	0	1	
13	1	STK	CONTROL CABINET CONNECTION 108POL.	012945	2140459	0	1	
1	1	STK	HOUSING BOTTOM 09 30 024 0301	0408	338046	1 L	1	HARTING ELEKTRONIK
2	1	STK	JACK INSERT 09161083101	2008	1170647	1	1	HARTING ELEKTRONIK
3	1	STK	PIN INSERT 09161083001	2007	1170639	1	1	HARTING ELEKTRONIK
4	1	STK	SOCKET HOUSING 09 30 024 0521	0403	1170688	1	1	HARTING ELEKTRONIK

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DELIVERY ON REQUEST

VALIDITY OF QUOTE 6 MONTHS AFTER DATE OF PRINTOUT

SPARE - PARTS LIST

Elektrik

Date : 20.12.99 Page : 4

DESIGNATION SRV6 PLASMA MODUL

DRAWING : COM. 52.588.00

ID-NO. : 2577635

Pos	QTY ME	DESIGNATION	DRAWING NO.	ID.NO.	TYP AVA	PE	MANUFACTURE
99	1	STK WIR.DIAGR. + ACC. 52.588.00	013326	2216507	0	1	
7	1	STK DC-SUPPLY 039/400V-24VDC/15A	053	1388231	6	1	KOENIG-WOERLE-BEER
10	1	STK SAFETY RELAIS TIME SRB-NA-R-C16-24V	0903	1766600	6	1	ELAN SCHALTELEMENTE
11	1	STK SAFETY RELAY SRB-NA-R-C15-24V	0902	1766832	6	1	ELAN SCHALTELEMENTE
21	1	STK BUS NODE CAN+BDI MBM-C 55900	9301	2140541	6	1	MURRELEKTRONIK GMBH
22	1	STK F.KL.BLOCK F.MBM08/0,5 55956	9309	2140616	6	1	MURRELEKTRONIK GMBH
23	4	STK CAN-DIGITAL OUTPUT-TERMINALS 2 KL 2022	9355	2216481	6	1	BECKHOFF GMBH
24	1	STK DIGITAL OUTPUT MOD. MBMDO 8/0,5	93075	2290098	6	1	MURRELEKTRONIK GMBH
25	1	STK CONNECTING CABLE CAN-BUS TWIS.P 10POL.		2363218	0	1	
1	1	STK SUB-D 9POL.BU/INSULATION TERMINAL	1358	2140491	6 L	1	HARTING ELEKTRONIK
2	1	STK SUB-D 9POL.BU/PLUG INSERT 09 66 118 7500	1357	2363671	6 L	1	HARTING ELEKTRONIK
4	4	STK S-SUB SCREW CLIP 43438-3	0267	1764431	6	1	SCHURICHT GMBH & CO
26	1	GUIDE TERMINAL BLOCK F.MBM-C 55977 (BES-18,0-KB-2)	93015	2363259	6	1	MURRELEKTRONIK GMBH
28	1	CAN-BUS COUPLER BK 5120	9350	2364281	6	1	BECKHOFF GMBH
29	2	STK CAN-DIGITAL INPUT-TERMINALS 4 KL1104	9352	2364299	6	1	BECKHOFF GMBH
30	2	STK CAN-ANALOG OUTPUT-TERMINALS 2 KL4032	9358	2364323	6	1	BECKHOFF GMBH
31	1	STK CAN-BUSENDTERMINALS KL 9010	9362	2364349	6	1	BECKHOFF GMBH

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DELIVERY ON REQUEST

VALIDITY OF QUOTE 6 MONTHS AFTER DATE OF PRINTOUT

STAGE ID.NO.	ITM QTY	HA ME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	2530527	EF STK AXIS 1-6 RV6 RS5 CONTROL CABINET	012984	92	N N
1	338046	1,000 FB STK HOUSING BOTTOM 09 30 024 0301	0408	52	HARTING ELEK N 0 0 0
1	2139220	1,000 FB STK JACK INSERT 09 32 046 3109	2522	52	HARTING ELEK N 0 0 0
1	356410	1,000 FB STK CRIMP CONTACT 0,75 AG 09 33 000 6205	0182	52	HARTING ELEK N 0 0 0
1	1540393	1,000 FB STK CRIMP CONTACTS 2,5 AG 09 33 000 6202	0186	52	HARTING ELEK N 0 0 0
1	1627398	1,000 FB STK GUIDE SLEEVE 09 33 000 9909	3103	52	HARTING ELEK N 0 0 0
1	1627380	1,000 FB STK GUIDE PIN 09 33 000 9908	3102	52	HARTING ELEK N 0 0 0
1	338046	1,000 FB STK HOUSING BOTTOM 09 30 024 0301	0408	52	HARTING ELEK N 0 0 0
1	1170647	1,000 FB STK JACK INSERT 09161083101	2008	52	HARTING ELEK N 0 0 0
1	1627398	1,000 FB STK GUIDE SLEEVE 09 33 000 9909	3103	52	HARTING ELEK N 0 0 0
1	1627380	1,000 FB STK GUIDE PIN 09 33 000 9908	3102	52	HARTING ELEK N 0 0 0
1	2138602	1,000 FB STK REGULATOR 4003	6021	21	I R T SA J 6 0 0
1	2139527	1,000 FB STK BAR CLAMPING SK14 3025176	4101	55	PHOENIX CONT N 0 0 0
1	2290726	1,000 EF STK CONNECTING CABLE/REGULATOR CAN-BUS	012995	92	N 0 0 0
.2	2140491	1,000 FB STK SUB-D 9POL.BU/INSULATION TERMINAL	1358	54	HARTING ELEK N 0 0 0
.2	2363671	1,000 FB STK SUB-D 9POL.BU/PLUG INSERT 09 66 118 7500	1357	54	HARTING ELEK N 0 0 0
.2	956292	70,000 FB MM FLAT CABLE 9POLES FBK-9	700109	56	HARTING ELEK N 0 0 0
.2	1764431	4,000 FB STK S-SUB SCREW CLIP 43438-3	0267	54	SCHURICHT GM N 0 0 0
1	2140954	1,000 FB STK FIXATION SET FOR BLZ SLABB6RORSET 156296	1439	54	WEIDMUELLER N 0 0 0
1	2140947	1,000 FB STK JACK BAR 2POL. BLZ5.08/2BSNR 152876	1430	54	WEIDMUELLER N 0 0 0
1	2139022	1,000 EF STK MOTOR LINE / SS	90		N 1 0 0
.2	1675447	1 1.350;000 FB MM OELFLEX-110 CY 5X1,0	101205	56	WEYDEMAYER G N 0 0 0
.2	356410	6,000 FB STK CRIMP CONTACT 0,75 AG 09 33 000 6205	0182	52	HARTING ELEK N 0 0 0
.2	44917	5,000 FB STK MULTICORE CABLE END 4097.0	0306	58	WEIDMUELLER N 0 0 0
.2	44933	1,000 FB STK MULTICORE CABLE END 4631.0	0307	58	WEIDMUELLER N 0 0 0
1	2139014	1,000 EF STK RESOLVER LINE / SS	90		N 1 0 0
.2	1402388	1 1.850;000 FB MM SPIRAL CABLE SIG.ERK 0950 REV.5	470950	56	ELOCAB SONDE N 0 0 0
.2	1476119	1,000 FB STK D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	54	HARTING ELEK N 6 0 0
.2	1476135	9,000 FB STK CRIMP CONTACT D-SUB PIN FL20PL	0962	54	F C T ELECTR N 6 0 0
.2	1476192	1,000 FB STK FULL METAL HOOD 9P.45DEGR. FMK1	0911	54	F C T ELECTR N 6 0 0
.2	1477091	11,000 FB STK CRIMP CONTACTS 0,14AU BU.09150006224	2022	52	HARTING ELEK N 6 0 0
.2	1477117	1,000 FB STK CRIMP CONTACTS 1,5 AU 09 15 000 6221	2028	52	HARTING ELEK N 6 0 0
1	2138610	1,000 FB STK REGULATOR 4005	6022	21	I R T SA J 6 0 0
1	2139527	1,000 FB STK BAR CLAMPING SK14 3025176	4101	55	PHOENIX CONT N 0 0 0
1	2290726	1,000 EF STK CONNECTING CABLE/REGULATOR CAN-BUS	012995	92	N 0 0 0
.2	2140491	1,000 FB STK SUB-D 9POL.BU/INSULATION TERMINAL	1358	54	HARTING ELEK N 0 0 0
.2	2363671	1,000 FB STK SUB-D 9POL.BU/PLUG INSERT 09 66 118 7500	1357	54	HARTING ELEK N 0 0 0

STAGE ID.NO.	ITM QTY	HA ME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	2530527	EF STK AXIS 1-6 RV6 RS5 CONTROL CABINET	012984	92	N N
.2	956292 3	70,000 FB MM FLAT CABLE 9POLES FBK-9	700109	56	HARTING ELEK N 0 0 0
.2	1764431 4	4,000 FB STK S-SUB SCREW CLIP 43438-3	0267	54	SCHURICHT GM N 0 0 0
1	2140954 36	1,000 FB STK FIXATION SET FOR BLZ SLABB6RORSET 156296	1439	54	WEIDMUELLER N 0 0 0
1	2140947 37	1,000 FB STK JACK BAR 2POL. BLZ5.08/2BSNOR 152876	1430	54	WEIDMUELLER N 0 0 0
1	2139022 38	1,000 EF STK MOTOR LINE / SS		90	N 1 0 0
.2	1675447 1	1.350,000 FB MM OELFLEX-110 CY 5X1,0	101205	56	WEYDEMAYER G N 0 0 0
.2	356410 2	6,000 FB STK CRIMP CONTACT 0,75 AG 09 33 000 6205	0182	52	HARTING ELEK N 0 0 0
.2	44917 3	5,000 FB STK MULTICORE CABLE END 4097.0	0306	58	WEIDMUELLER N 0 0 0
.2	44933 4	1,000 FB STK MULTICORE CABLE END 4631.0	0307	58	WEIDMUELLER N 0 0 0
1	2139014 39	1,000 EF STK RESOLVER LINE / SS		90	N 1 0 0
.2	1402388 1	1.850,000 FB MM SPIRAL CABLE SIG.ERK 0950 REV.5	470950	56	ELOCAB SONDE N 0 0 0
.2	1476119 2	1,000 FB STK D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	54	HARTING ELEK N 6 0 0
.2	1476135 3	9,000 FB STK CRIMP CONTACT D-SUB PIN FL20PL	0962	54	F C T ELECTR N 6 0 0
.2	1476192 4	1,000 FB STK FULL METAL HOOD 9P.45DEGR. FMK1	0911	54	F C T ELECTR N 6 0 0
.2	1477091 6	11,000 FB STK CRIMP CONTACTS 0,14AU BU.09150006224	2022	52	HARTING ELEK N 6 0 0
.2	1477117 7	1,000 FB STK CRIMP CONTACTS 1,5 AU 09 15 000 6221	2028	52	HARTING ELEK N 6 0 0
1	2138602 41	1,000 FB STK REGULATOR 4003	6021	21	I R T SA J 6 0 0
1	2139527 42	1,000 FB STK BAR CLAMPING SK14 3025176	4101	55	PHOENIX CONT N 0 0 0
1	2290726 43	1,000 EF STK CONNECTING CABLE/REGULATOR CAN-BUS	012995	92	N 0 0 0
.2	2140491 1	1,000 FB STK SUB-D 9POL.BU/INSULATION TERMINAL	1358	54	HARTING ELEK N 0 0 0
.2	2363671 2	1,000 FB STK SUB-D 9POL.BU/PLUG INSERT 09 66 118 7500	1357	54	HARTING ELEK N 0 0 0
.2	956292 3	70,000 FB MM FLAT CABLE 9POLES FBK-9	700109	56	HARTING ELEK N 0 0 0
.2	1764431 4	4,000 FB STK S-SUB SCREW CLIP 43438-3	0267	54	SCHURICHT GM N 0 0 0
1	2140954 46	1,000 FB STK FIXATION SET FOR BLZ SLABB6RORSET 156296	1439	54	WEIDMUELLER N 0 0 0
1	2140947 47	1,000 FB STK JACK BAR 2POL. BLZ5.08/2BSNOR 152876	1430	54	WEIDMUELLER N 0 0 0
1	2139022 48	1,000 EF STK MOTOR LINE / SS		90	N 1 0 0
.2	1675447 1	1.350,000 FB MM OELFLEX-110 CY 5X1,0	101205	56	WEYDEMAYER G N 0 0 0
.2	356410 2	6,000 FB STK CRIMP CONTACT 0,75 AG 09 33 000 6205	0182	52	HARTING ELEK N 0 0 0
.2	44917 3	5,000 FB STK MULTICORE CABLE END 4097.0	0306	58	WEIDMUELLER N 0 0 0
.2	44933 4	1,000 FB STK MULTICORE CABLE END 4631.0	0307	58	WEIDMUELLER N 0 0 0
1	2139014 49	1,000 EF STK RESOLVER LINE / SS		90	N 1 0 0
.2	1402388 1	1.850,000 FB MM SPIRAL CABLE SIG.ERK 0950 REV.5	470950	56	ELOCAB SONDE N 0 0 0
.2	1476119 2	1,000 FB STK D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	54	HARTING ELEK N 6 0 0
.2	1476135 3	9,000 FB STK CRIMP CONTACT D-SUB PIN FL20PL	0962	54	F C T ELECTR N 6 0 0
.2	1476192 4	1,000 FB STK FULL METAL HOOD 9P.45DEGR. FMK1	0911	54	F C T ELECTR N 6 0 0
.2	1477091 6	11,000 FB STK CRIMP CONTACTS 0,14AU BU.09150006224	2022	52	HARTING ELEK N 6 0 0

STAGE	ID.NO.	ITM QTY	HA ME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	2530527		EF STK AXIS 1-6 RV6 RS5 CONTROL CABINET	012984	92	N N
.2	1477117	7	1,000 FB STK CRIMP CONTACTS 1,5 AU 09 15 000 6221	2028	52	HARTING ELEK N 6 0 0
1	2138602	51	1,000 FB STK REGULATOR 4003	6021	21	I R T SA J 6 0 0
1	2139527	52	1,000 FB STK BAR CLAMPING SK14 3025176	4101	55	PHOENIX CONT N 0 0 0
1	2290726	53	1,000 EF STK CONNECTING CABLE/REGULATOR CAN-BUS	012995	92	N 0 0 0
.2	2140491	1	1,000 FB STK SUB-D 9POL.BU/INSULATION TERMINAL	1358	54	HARTING ELEK N 0 0 0
.2	2363671	2	1,000 FB STK SUB-D 9POL.BU/PLUG INSERT 09 66 118 7500	1357	54	HARTING ELEK N 0 0 0
.2	956292	3	70,000 FB MM FLAT CABLE 9POLES FBK-9	700109	56	HARTING ELEK N 0 0 0
.2	1764431	4	4,000 FB STK S-SUB SCREW CLIP 43438-3	0267	54	SCHURICHT GM N 0 0 0
1	2140954	56	1,000 FB STK FIXATION SET FOR BLZ SLABB6RORSET 156296	1439	54	WEIDMUELLER N 0 0 0
1	2140947	57	1,000 FB STK JACK BAR 2POL. BLZ5.08/2BSNOR 152876	1430	54	WEIDMUELLER N 0 0 0
1	2139022	58	1,000 EF STK MOTOR LINE / SS	90		N 1 0 0
.2	1675447	1	1.350,000 FB MM OELFLEX-110 CY 5X1,0	101205	56	WEYDEMAYER G N 0 0 0
.2	356410	2	6,000 FB STK CRIMP CONTACT 0,75 AG 09 33 000 6205	0182	52	HARTING ELEK N 0 0 0
.2	44917	3	5,000 FB STK MULTICORE CABLE END 4097.0	0306	58	WEIDMUELLER N 0 0 0
.2	44933	4	1,000 FB STK MULTICORE CABLE END 4631.0	0307	58	WEIDMUELLER N 0 0 0
1	2139014	59	1,000 EF STK RESOLVER LINE / SS	90		N 1 0 0
.2	1402388	1	1.850,000 FB MM SPIRAL CABLE SIG.ERK 0950 REV.5	470950	56	ELOCAB SONDE N 0 0 0
.2	1476119	2	1,000 FB STK D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	54	HARTING ELEK N 6 0 0
.2	1476135	3	9,000 FB STK CRIMP CONTACT D-SUB PIN FL20PL	0962	54	F C T ELECTR N 6 0 0
.2	1476192	4	1,000 FB STK FULL METAL HOOD 9P.45DEGR. FMK1	0911	54	F C T ELECTR N 6 0 0
.2	1477091	6	11,000 FB STK CRIMP CONTACTS 0,14AU BU.09150006224	2022	52	HARTING ELEK N 6 0 0
.2	1477117	7	1,000 FB STK CRIMP CONTACTS 1,5 AU 09 15 000 6221	2028	52	HARTING ELEK N 6 0 0
1	2138602	61	1,000 FB STK REGULATOR 4003	6021	21	I R T SA J 6 0 0
1	2139527	62	1,000 FB STK BAR CLAMPING SK14 3025176	4101	55	PHOENIX CONT N 0 0 0
1	2290726	63	1,000 EF STK CONNECTING CABLE/REGULATOR CAN-BUS	012995	92	N 0 0 0
.2	2140491	1	1,000 FB STK SUB-D 9POL.BU/INSULATION TERMINAL	1358	54	HARTING ELEK N 0 0 0
.2	2363671	2	1,000 FB STK SUB-D 9POL.BU/PLUG INSERT 09 66 118 7500	1357	54	HARTING ELEK N 0 0 0
.2	956292	3	70,000 FB MM FLAT CABLE 9POLES FBK-9	700109	56	HARTING ELEK N 0 0 0
.2	1764431	4	4,000 FB STK S-SUB SCREW CLIP 43438-3	0267	54	SCHURICHT GM N 0 0 0
1	2140954	66	1,000 FB STK FIXATION SET FOR BLZ SLABB6RORSET 156296	1439	54	WEIDMUELLER N 0 0 0
1	2140947	67	1,000 FB STK JACK BAR 2POL. BLZ5.08/2BSNOR 152876	1430	54	WEIDMUELLER N 0 0 0
1	2139022	68	1,000 EF STK MOTOR LINE / SS	90		N 1 0 0
.2	1675447	1	1.350,000 FB MM OELFLEX-110 CY 5X1,0	101205	56	WEYDEMAYER G N 0 0 0
.2	356410	2	6,000 FB STK CRIMP CONTACT 0,75 AG 09 33 000 6205	0182	52	HARTING ELEK N 0 0 0
.2	44917	3	5,000 FB STK MULTICORE CABLE END 4097.0	0306	58	WEIDMUELLER N 0 0 0
.2	44933	4	1,000 FB STK MULTICORE CABLE END 4631.0	0307	58	WEIDMUELLER N 0 0 0
1	2139014	69	1,000 EF STK RESOLVER LINE / SS	90		N 1 0 0
.2	1402388	1	1.850,000 FB MM SPIRAL CABLE SIG.ERK 0950 REV.5	470950	56	ELOCAB SONDE N 0 0 0

STAGE ID.NO.	ITEM QTY	NAME / PE DISIGNATION	DRAWING	GROUP	VT-S ETK
2530527		EF STK AXIS 1-6 RV6 RS5 CONTROL CABINET	012984	92	N N
.2	1476119	2 1,000 FB STK D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	54 HARTING ELEK N 6 0 0	
.2	1476135	3 9,000 FB STK CRIMP CONTACT D-SUB PIN FL20PL	0962	54 F C T ELECTR N 6 0 0	
.2	1476192	4 1,000 FB STK FULL METAL HOOD 9P.45DEGR. FMK1	0911	54 F C T ELECTR N 6 0 0	
.2	1477091	6 11,000 FB STK CRIMP CONTACTS 0,14AU BU.09150006224	2022	52 HARTING ELEK N 6 0 0	
.2	1477117	7 1,000 FB STK CRIMP CONTACTS 1,5 AU 09 15 000 6221	2028	52 HARTING ELEK N 6 0 0	
1	2138602	71 1,000 FB STK REGULATOR 4003	6021	21 I R T SA J 6 0 0	
1	2139527	72 1,000 FB STK BAR CLAMPING SK14 3025176	4101	55 PHOENIX CONT N 0 0 0	
1	2363218	73 1,000 EF STK CONNECTING CABLE CAN-BUS TWIS.P 10POL.		92	N 0 0 0
.2	2140491	1 1,000 FB STK SUB-D 9POL.BU/INSULATION TERMINAL	1358	54 HARTING ELEK N 6 0 0	
.2	2363671	2 1,000 FB STK SUB-D 9POL.BU/PLUG INSERT 09 66 118 7500	1357	54 HARTING ELEK N 6 0 0	
.2	2530865	3 1.000,000 FB MM FLAT CABLE PAAR.VERS.10POL. 09 18 010 7006 (1700-10)	700112	56 HARTING ELEK N 0 0 0	
.2	1764431	4 4,000 FB STK S-SUB SCREW CLIP 43438-3	0267	54 SCHURICHT GM N 6 0 0	
1	2140954	76 1,000 FB STK FIXATION SET FOR BLZ SLABBÖRSET 156296	1439	54 WEIDMUELLER N 0 0 0	
1	2140947	77 1,000 FB STK JACK BAR 2POL. BLZ5.08/2BSNOR 152876	1430	54 WEIDMUELLER N 0 0 0	
1	2139022	78 1,000 EF STK MOTOR LINE / SS		90	N 1 0 0
.2	1675447	1 1.350,000 FB MM OELFLEX-110 CY 5X1,0	101205	56 WEYDEMAYER G N 0 0 0	
.2	356410	2 6,000 FB STK CRIMP CONTACT 0,75 AG 09 33 000 6205	0182	52 HARTING ELEK N 0 0 0	
.2	44917	3 5,000 FB STK MULTICORE CABLE END 4097.0	0306	58 WEIDMUELLER N 0 0 0	
.2	44933	4 1,000 FB STK MULTICORE CABLE END 4631.0	0307	58 WEIDMUELLER N 0 0 0	
1	2139014	79 1,000 EF STK RESOLVER LINE / SS		90	N 1 0 0
.2	1402388	1 1.850,000 FB MM SPIRAL CABLE SIG.ERK 0950 REV.5	470950	56 ELOCAB SONDE N 0 0 0	
.2	1476119	2 1,000 FB STK D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	54 HARTING ELEK N 6 0 0	
.2	1476135	3 9,000 FB STK CRIMP CONTACT D-SUB PIN FL20PL	0962	54 F C T ELECTR N 6 0 0	
.2	1476192	4 1,000 FB STK FULL METAL HOOD 9P.45DEGR. FMK1	0911	54 F C T ELECTR N 6 0 0	
.2	1477091	6 11,000 FB STK CRIMP CONTACTS 0,14AU BU.09150006224	2022	52 HARTING ELEK N 6 0 0	
.2	1477117	7 1,000 FB STK CRIMP CONTACTS 1,5 AU 09 15 000 6221	2028	52 HARTING ELEK N 6 0 0	
1	2140533	81 1,000 EF STK FINAL RESISTOR XR120 CAN-BUS		92	N 0 0 0
.2	2140491	1 1,000 FB STK SUB-D 9POL.BU/INSULATION TERMINAL	1358	54 HARTING ELEK N 1 0 0	
.2	2140525	2 2,000 FB STK RESISTOR MS 1200HM/0,4W 331-946	3101	68 FARRELL ELEC N 1 0 0	
.2	1764431	3 2,000 FB STK S-SUB SCREW CLIP 43438-3	0267	54 SCHURICHT GM N 1 0 0	

STAGE ID.NO.	ITM QTY	HA ME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	2530519	EF STK AXIS 1-6 RV6/16/6L MACHINE RSS	012984	92	N N
1	338046	1,000 FB STK HOUSING BOTTOM 09 30 024 0301	0408	52 HARTING ELEK N 0 0 0	
1	2139238	1,000 FB STK PIN INSERT 09 32 046 3009	2521	52 HARTING ELEK N 0 0 0	
1	338046	1,000 FB STK HOUSING BOTTOM 09 30 024 0301	0408	52 HARTING ELEK N 0 0 0	
1	1170639	1,000 FB STK PIN INSERT 09161083001	2007	52 HARTING ELEK N 0 0 0	
1	1627380	4,000 FB STK GUIDE PIN 09 33 000 9908	3102	52 HARTING ELEK N 0 0 0	
1	1627398	4,000 FB STK GUIDE SLEEVE 09 33 000 9909	3103	52 HARTING ELEK N 0 0 0	
1	2363069	1,000 EF STK SERVO LINE AXIS 1 RV6/6L/16 MACHINE RSS		92	N 0 0 0
.2	2139568	1 2.500,000 FB MM SERVO LINE 1 2(3X0,35)+2X0,15+3X2X0,15	323014	56 ERNST + ENGB N 0 0 0	
.2	1391615	4 100,000 FB MM HEAT-SHRINKING-SLEEVE PLG 375-0-E	0907	57 BRAUN GMBH & N 0 0 0	
.2	2139584	5 1,000 FB STK PLUG FSTA134NN00080001000	1010	54 INTERCONTEC N 0 0 0	
.2	2139600	6 4,000 FB STK CONTACT JACK 2,0 760AB003211X	1011	54 INTERCONTEC N 0 0 0	
.2	2139972	7 1,000 FB STK IDENTIF. LABEL KSK 11X09 86421034	1015	54 MURRPLASTIK N 0 0 0	
.2	2139592	8 10,000 FB STK CONTACT JACK 1,0 760AB001211X	1012	54 INTERCONTEC N 0 0 0	
.2	1540401	10 7,000 FB STK CRIMP CONTACTS 0,5 AG 09 33 000 6121	0179	52 HARTING ELEK N 0 0 0	
.2	1477208	11 8,000 FB STK CRIMP CONTACTS 0,14AU ST.09150006124	2021	52 HARTING ELEK N 0 0 0	
.2	1477190	12 1,000 FB STK CRIMP CONTACTS 0,75AU ST.09150006122	2025	52 HARTING ELEK N 0 0 0	
.2	1477216	13 3,000 FB STK CRIMP CONTACTS 1,5 AU ST.09150006121	2027	52 HARTING ELEK N 0 0 0	
1	2363077	41 1,000 EF STK SERVO LINE AXIS 2 RV6/6L/16 MACHINE RSS		92	N 0 0 0
.2	2139568	1 2.850,000 FB MM SERVO LINE 1 2(3X0,35)+2X0,15+3X2X0,15	323014	56 ERNST + ENGB N 0 0 0	
.2	1391615	4 100,000 FB MM HEAT-SHRINKING-SLEEVE PLG 375-0-E	0907	57 BRAUN GMBH & N 0 0 0	
.2	2139584	5 1,000 FB STK PLUG FSTA134NN00080001000	1010	54 INTERCONTEC N 0 0 0	
.2	2139600	6 4,000 FB STK CONTACT JACK 2,0 760AB003211X	1011	54 INTERCONTEC N 0 0 0	
.2	2139972	7 1,000 FB STK IDENTIF. LABEL KSK 11X09 86421034	1015	54 MURRPLASTIK N 0 0 0	
.2	2139592	8 10,000 FB STK CONTACT JACK 1,0 760AB001211X	1012	54 INTERCONTEC N 0 0 0	
.2	1540401	10 7,000 FB STK CRIMP CONTACTS 0,5 AG 09 33 000 6121	0179	52 HARTING ELEK N 0 0 0	
.2	1477208	11 8,000 FB STK CRIMP CONTACTS 0,14AU ST.09150006124	2021	52 HARTING ELEK N 0 0 0	
.2	1477190	12 1,000 FB STK CRIMP CONTACTS 0,75AU ST.09150006122	2025	52 HARTING ELEK N 0 0 0	
.2	1477216	13 3,000 FB STK CRIMP CONTACTS 1,5 AU ST.09150006121	2027	52 HARTING ELEK N 0 0 0	
1	2363085	51 1,000 EF STK SERVO LINE AXIS 3 RV6/6L/16 MACHINE RSS		92	N 0 0 0
.2	2139568	1 3.050,000 FB MM SERVO LINE 1 2(3X0,35)+2X0,15+3X2X0,15	323014	56 ERNST + ENGB N 0 0 0	
.2	1391615	4 100,000 FB MM HEAT-SHRINKING-SLEEVE PLG 375-0-E	0907	57 BRAUN GMBH & N 0 0 0	
.2	2139584	5 1,000 FB STK PLUG FSTA134NN00080001000	1010	54 INTERCONTEC N 0 0 0	
.2	2139600	6 4,000 FB STK CONTACT JACK 2,0 760AB003211X	1011	54 INTERCONTEC N 0 0 0	
.2	2139972	7 1,000 FB STK IDENTIF. LABEL KSK 11X09 86421034	1015	54 MURRPLASTIK N 0 0 0	
.2	2139592	8 10,000 FB STK CONTACT JACK 1,0 760AB001211X	1012	54 INTERCONTEC N 0 0 0	
.2	1540401	10 7,000 FB STK CRIMP CONTACTS 0,5 AG 09 33 000 6121	0179	52 HARTING ELEK N 0 0 0	
.2	1477208	11 8,000 FB STK CRIMP CONTACTS 0,14AU ST.09150006124	2021	52 HARTING ELEK N 0 0 0	
.2	1477190	12 1,000 FB STK CRIMP CONTACTS 0,75AU ST.09150006122	2025	52 HARTING ELEK N 0 0 0	
.2	1477216	13 3,000 FB STK CRIMP CONTACTS 1,5 AU ST.09150006121	2027	52 HARTING ELEK N 0 0 0	
1	2363093	61 1,000 EF STK SERVO LINE AXIS 4 RV6/6L/16 MACHINE RSS		92	N 0 0 0

STAGE ID.NO.	ITM QTY	HA ME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
2530519		EF STK AXIS 1-6 RV6/16/6L MACHINE RSS	012984	92	N N
.2	2139568	1 3.650,000 FB MM SERVO LINE 1 2(3X0,35)+2X0,15+3X2X0,15	323014	56 ERNST + ENGB	N 0 0 0
.2	1391615	4 100,000 FB MM HEAT-SHRINKING-SLEEVE PLG 375-0-E	0907	57 BRAUN GMBH &	N 0 0 0
.2	2139584	5 1,000 FB STK PLUG FSTA134NN00080001000	1010	54 INTERCONTEC	N 0 0 0
.2	2139600	6 4,000 FB STK CONTACT JACK 2,0 760AB003211X	1011	54 INTERCONTEC	N 0 0 0
.2	2139972	7 1,000 FB STK IDENTIF. LABEL KSK 11X09 86421034	1015	54 MURRPLASTIK	N 0 0 0
.2	2139592	8 10,000 FB STK CONTACT JACK 1,0 760AB001211X	1012	54 INTERCONTEC	N 0 0 0
.2	1540401	10 7,000 FB STK CRIMP CONTACTS 0,5 AG 09 33 000 6121	0179	52 HARTING ELEK	N 0 0 0
.2	1477208	11 8,000 FB STK CRIMP CONTACTS 0,14AU ST.09150006124	2021	52 HARTING ELEK	N 0 0 0
.2	1477190	12 1,000 FB STK CRIMP CONTACTS 0,75AU ST.09150006122	2025	52 HARTING ELEK	N 0 0 0
.2	1477216	13 3,000 FB STK CRIMP CONTACTS 1,5 AU ST.09150006121	2027	52 HARTING ELEK	N 0 0 0
1	2363101	71 1,000 EF STK SERVO LINE AXIS 5 RV6/6L/16 MACHINE RSS		92	N 0 0 0
.2	2139568	1 5.600,000 FB MM SERVO LINE 1 2(3X0,35)+2X0,15+3X2X0,15	323014	56 ERNST + ENGB	N 0 0 0
.2	1391615	4 100,000 FB MM HEAT-SHRINKING-SLEEVE PLG 375-0-E	0907	57 BRAUN GMBH &	N 0 0 0
.2	2139584	5 1,000 FB STK PLUG FSTA134NN00080001000	1010	54 INTERCONTEC	N 0 0 0
.2	2139600	6 4,000 FB STK CONTACT JACK 2,0 760AB003211X	1011	54 INTERCONTEC	N 0 0 0
.2	2139972	7 1,000 FB STK IDENTIF. LABEL KSK 11X09 86421034	1015	54 MURRPLASTIK	N 0 0 0
.2	2139592	8 10,000 FB STK CONTACT JACK 1,0 760AB001211X	1012	54 INTERCONTEC	N 0 0 0
.2	1540401	10 7,000 FB STK CRIMP CONTACTS 0,5 AG 09 33 000 6121	0179	52 HARTING ELEK	N 0 0 0
.2	1477208	11 8,000 FB STK CRIMP CONTACTS 0,14AU ST.09150006124	2021	52 HARTING ELEK	N 0 0 0
.2	1477190	12 1,000 FB STK CRIMP CONTACTS 0,75AU ST.09150006122	2025	52 HARTING ELEK	N 0 0 0
.2	1477216	13 3,000 FB STK CRIMP CONTACTS 1,5 AU ST.09150006121	2027	52 HARTING ELEK	N 0 0 0
1	2363119	81 1,000 EF STK SERVO LINE AXIS 6 RV6/6L/16 MACHINE RSS		92	N 0 0 0
.2	2139568	1 5.750,000 FB MM SERVO LINE 1 2(3X0,35)+2X0,15+3X2X0,15	323014	56 ERNST + ENGB	N 0 0 0
.2	1391615	4 100,000 FB MM HEAT-SHRINKING-SLEEVE PLG 375-0-E	0907	57 BRAUN GMBH &	N 0 0 0
.2	2139584	5 1,000 FB STK PLUG FSTA134NN00080001000	1010	54 INTERCONTEC	N 0 0 0
.2	2139600	6 4,000 FB STK CONTACT JACK 2,0 760AB003211X	1011	54 INTERCONTEC	N 0 0 0
.2	2139972	7 1,000 FB STK IDENTIF. LABEL KSK 11X09 86421034	1015	54 MURRPLASTIK	N 0 0 0
.2	2139592	8 10,000 FB STK CONTACT JACK 1,0 760AB001211X	1012	54 INTERCONTEC	N 0 0 0
.2	1540401	10 7,000 FB STK CRIMP CONTACTS 0,5 AG 09 33 000 6121	0179	52 HARTING ELEK	N 0 0 0
.2	1477208	11 8,000 FB STK CRIMP CONTACTS 0,14AU ST.09150006124	2021	52 HARTING ELEK	N 0 0 0
.2	1477190	12 1,000 FB STK CRIMP CONTACTS 0,75AU ST.09150006122	2025	52 HARTING ELEK	N 0 0 0
.2	1477216	13 3,000 FB STK CRIMP CONTACTS 1,5 AU ST.09150006121	2027	52 HARTING ELEK	N 0 0 0

VT = Verschleissteil J/N

E = Ersatzteil 1=Ersatzteil 6=Ersatzteilkaket

T = Teilestammliststatus 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

S = Stuecklistenstat 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

End of List

STAGE ID.NO.	ITM QTY	H A M E P E D I S I G N A T I O N	DRAWING	GROUP	VT-S ETK
	2530501	EF STK SUPPLY LINE 6 AXES RS5	012984	92	N N
1	2530436	1 1,000 EF STK SUPPLY LINE RESOLVER 1-6 RS5	012984	92	N 0 0 0
.2	1170688	1 2,000 FB STK SOCKET HOUSING 09 30 024 0521	0403	52	HARTING ELEK N 0 0 0
.2	1170639	2 1,000 FB STK PIN INSERT 09161083001	2007	52	HARTING ELEK N 0 0 0
.2	1170647	3 1,000 FB STK JACK INSERT 09161083101	2008	52	HARTING ELEK N 0 0 0
.2	1171637	510.000.000 FB MM LIYCY-CY 24X2X0,25/28	506424	56	WEYDEMAYER G N 0 0 0
.2	1477208	6 66,000 FB STK CRIMP CONTACTS 0,14AU ST.09150006124	2021	52	HARTING ELEK N 0 0 0
.2	1477091	7 66,000 FB STK CRIMP CONTACTS 0,14AU BU.09150006224	2022	52	HARTING ELEK N 0 0 0
.2	1477190	8 6,000 FB STK CRIMP CONTACTS 0,75AU ST.09150006122	2025	52	HARTING ELEK N 0 0 0
.2	1477109	9 6,000 FB STK CRIMP CONTACTS 0,75AU BU.09150006222	2026	52	HARTING ELEK N 0 0 0
.2	1391581	10 1.000.000 FB MM HEAT-SHRINKABLE SLEEVE PLG 125-0-E	0904	57	BRAUN GMBH & N 0 0 0
.2	23812	11 2,000 FB STK BOLTINGS ZEV PG 29 NO. 2027	0028 ER.1475608	59	WEYDEMAYER G N 0 0 0
.2	1538942	12 2,000 FB STK PLUG-IN BOARD ESK/LP-BW 1003459		75	PHOENIX CONT N 0 0 0
.2	939272	13 2,000 FB STK CABLE MARKER KMK2 NO.1005266		75	PHOENIX CONT N 0 0 0
.2	28357	14 2,000 FB STK CABLE TIE TY-25M 186 LG	0509	58	WEYDEMAYER G N 0 0 0
.2	1627380	15 4,000 FB STK GUIDE PIN 09 33 000 9908	3102	52	HARTING ELEK N 0 0 0
.2	1627398	16 4,000 FB STK GUIDE SLEEVE 09 33 000 9909	3103	52	HARTING ELEK N 0 0 0
.2	1475640	17 2,000 FB STK UNI INSERT SEALING PG29 NE155/20BN	00878	59	PFLITSCH & C N 0 0 0
1	2530493	2 1,000 EF STK SUPPLY LINE MOTOR 1-6 RS5	012984	92	N 0 0 0
.2	1170688	1 2,000 FB STK SOCKET HOUSING 09 30 024 0521	0403	52	HARTING ELEK N 0 0 0
.2	2139220	2 1,000 FB STK JACK INSERT 09 32 046 3109	2522	52	HARTING ELEK N 0 0 0
.2	2139238	3 1,000 FB STK PIN INSERT 09 32 046 3009	2521	52	HARTING ELEK N 0 0 0
.2	1540484	4 42,000 FB STK CRIMP CONTACT 0,75 AG 09 33 000 6105	0181	52	HARTING ELEK N 0 0 0
.2	356410	5 42,000 FB STK CRIMP CONTACT 0,75 AG 09 33 000 6205	0182	52	HARTING ELEK N 0 0 0
.2	1476903	810.000.000 FB MM OELFLEX-110 CY(41X1,0) 0035541	101241	56	WEYDEMAYER G N 0 0 0
.2	1537860	9 1.000.000 FB MM HEAT-SHRINKABLE SLEEVE GN/GE 900-048	0927	57	PB ELEKTRO N 0 0 0
.2	1391581	10 1.000.000 FB MM HEAT-SHRINKABLE SLEEVE PLG 125-0-E	0904	57	BRAUN GMBH & N 0 0 0
.2	23812	11 2,000 FB STK BOLTINGS ZEV PG 29 NO. 2027	0028 ER.1475608	59	WEYDEMAYER G N 0 0 0
.2	28340	12 2,000 FB STK CABLE TIE TY-24 M 140 LG	0505	58	WEYDEMAYER G N 0 0 0
.2	27870	13 2,000 FB STK CABLE SHOES BA 14 M 53	0014	58	HIRSCH HERBE N 0 0 0
.2	1627380	14 4,000 FB STK GUIDE PIN 09 33 000 9908	3102	52	HARTING ELEK N 0 0 0
.2	1627398	15 4,000 FB STK GUIDE SLEEVE 09 33 000 9909	3103	52	HARTING ELEK N 0 0 0
.2	1538942	16 2,000 FB STK PLUG-IN BOARD ESK/LP-BW 1003459		75	PHOENIX CONT N 0 0 0
.2	939272	17 2,000 FB STK CABLE MARKER KMK2 NO.1005266		75	PHOENIX CONT N 0 0 0

STAGE ID.NO.	ITM QTY	HA ME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
2138966		EF STK CONTROL CABINET WIRING MAT.RSV	012729	92	N N
1	893	150.000.000 FB MM NYAF 4 BLACK	0141	56 WEYDEMAYER G N 0 0 0	
1	976	520.000.000 FB MM NYAF 1,5 BLACK	0121	56 MAINLAND GMB N 0 0 0	
1	943	610.000.000 FB MM NYAF 2,5 BLUE	0132	56 MAINLAND GMB N 0 0 0	
1	901	7 5.000.000 FB MM NYAF 2,5 YELLOW-GREEN	0130	56 MAINLAND GMB N 0 0 0	
1	976	10 100.000 FB M NYAF 1,5 BLACK	0121	56 MAINLAND GMB N 0 0 0	
1	992	11 100.000 FB M NYAF 1,5 BLUE	0122	56 MAINLAND GMB N 0 0 0	
1	1032	16 200.000 FB M NYAF 1 BLUE	0112	56 MAINLAND GMB N 0 0 0	
1	1032	17 100.000 FB M NYAF 1 BLUE	0112	56 MAINLAND GMB N 0 0 0	
1	107029	1950.000.000 FB MM NYAF 1 ORANGE	0117	56 WEYDEMAYER G N 0 0 0	
1	104927	30 20.000 FB STK MULTICORE CABLE END H 4,0 /16	0313	58 WEIDMUELLER N 0 0 0	
1	99309	31 20.000 FB STK MULTICORE CABLE END 4632.0 H2,5/15	0310	58 WEIDMUELLER N 0 0 0	
1	44933	32 100.000 FB STK MULTICORE CABLE END 4631.0	0307	58 WEIDMUELLER N 0 0 0	
1	44917	33 300.000 FB STK MULTICORE CABLE END 4097.0	0306	58 WEIDMUELLER N 0 0 0	
1	44925	34 20.000 FB STK MULTICORE CABLE END 4096.0	0304	58 WEIDMUELLER N 0 0 0	
1	1180	40 2.500.000 FB MM NSHOEU 4X4	100504	56 MAINLAND GMB N 0 0 0	
1	204081	41 3.000.000 FB MM OELFLEX-110 4X2,5	100404	56 PIRELLI N 0 0 0	
1	695	42 4.000.000 FB MM OELFLEX NUMBERED CABLE 3X1,5 ON REEL	100303	56 PIRELLI N 0 0 0	
1	745	4314.000.000 FB MM OELFLEX NUMBERED CABLE 3X0,75	100103	56 SAB SIGNAL- N 0 0 0	
1	99382	45 4.000.000 FB MM OELFLEX NUMBERED CABL.12X0,750N REEL	100112	56 PIRELLI N 0 0 0	
1	766170	46 1.000.000 FB MM COLOURED OILFLEX CABLE-CY (4X2,5)C	101404	56 PIRELLI N 0 0 0	
1	1764951	60 1.000 EF STK VENTILATOR CONNECTION BAR		92	N 0 0 0
2	745	2 2.620.000 FB MM OELFLEX NUMBERED CABLE 3X0,75	100103	56 SAB SIGNAL- N 0 0 0	
2	44925	3 6.000 FB STK MULTICORE CABLE END 4096.0	0304	58 WEIDMUELLER N 0 0 0	
1	27870	65 1.000 FB STK CABLE SHOES BA 14 M 53	0014	58 HIRSCH HERBE N 0 0 0	
1	28282	66 5.000 FB STK CABLE TIE TYP-23 M 92 LG	0501	58 WEYDEMAYER G N 0 0 0	
1	2139105	100 5.000 FB STK LINE UP TERMINAL ZDU 2,5/4AN	1103	55 WEIDMUELLER N 0 0 0	
1	2139113	101 5.000 FB STK LINE UP TERMINAL ZDU 2,5/4AN BL	1113	55 WEIDMUELLER N 0 0 0	
1	2139089	102 2.000 FB STK LINE-UP TERMINAL ZPE 2,5/AN	1123	55 WEIDMUELLER N 0 0 0	
1	2139170	103 2.000 FB STK BRIDGE ZQV 2,5/10 160894	1175	55 WEIDMUELLER N 0 0 0	
1	2139162	104 3.000 FB STK PARTITION WALL ZAP/TW3 160880	1163	55 WEIDMUELLER N 0 0 0	
1	2139048	110 4.000 FB STK LINE-UP TERMINAL ZDU 2,5	1101	55 WEIDMUELLER N 0 0 0	
1	2139063	111 4.000 FB STK LINE-UP TERMINAL ZDU 2,5 BL	1111	55 WEIDMUELLER N 0 0 0	
1	2139360	112 6.000 FB STK GROUNDING TERMINALS ZPE 2,5	1121	55 WEIDMUELLER N 0 0 0	
1	2139147	113 1.000 FB STK PARTITION WALL ZAP/TW1	1161	55 WEIDMUELLER N 0 0 0	
1	2139170	114 2.000 FB STK BRIDGE ZQV 2,5/10 160894	1175	55 WEIDMUELLER N 0 0 0	
1	2139055	120 4.000 FB STK LINE-UP TERMINAL ZDU 4 163207	1102	55 WEIDMUELLER N 0 0 0	
1	2139071	121 2.000 FB STK LINE-UP TERMINAL ZDU 4 BL 163206	1117	55 WEIDMUELLER N 0 0 0	
1	2139097	122 2.000 FB STK LINE-UP TERMINAL ZPE 4 163208	1127	55 WEIDMUELLER N 0 0 0	
1	2139154	123 2.000 FB STK PARTITION WALL ZAP/TW4 163209	1164	55 WEIDMUELLER N 0 0 0	
1	2139188	124 2.000 FB STK BRIDGE ZQV 4/2 160895	1181	55 WEIDMUELLER N 0 0 0	
1	2438002	125 5.000 FB STK FIXATION ANGLE ZEW 954000	0295	55 WEIDMUELLER N 0 0 0	
1	1474346	126 2.000 FB STK GROUP DESIGNATION WGB5 105076	0896	55 WEIDMUELLER N 0 0 0	
1	101097	127 1.000 FB STK SUPPORT F.TERM.DESIGN.: SCHT 7	0891	55 WEIDMUELLER N 0 0 0	
1	101105	128 1.000 FB STK PROTECTIVE STRIP TRANSP.STR 7 5153.0	0892	55 WEIDMUELLER N 0 0 0	
1	1854208	129 33.000 FB STK TERMINAL PLATE KMR5/10-5 NO.55443		74 MURRELEKTRON N 0 0 0	
1	2427054	130 2.000 FB STK DEK 5 SPEC. PRINT 049076 ACC.TO UNIT AU 1-6-518762		55 WEIDMUELLER N 0 0 0	
1	1538280	131 2.000 FB STK DESIGNATION STRIP DEKAFIX 5GW052276A	09191	55 WEIDMUELLER N 0 0 0	

STAGE	ID.NO.	ITM QTY	NAME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	2138966		EF STK CONTROL CABINET WIRING MAT.RSV	012729	92	N N
1	1538298	132	2,000 FB STK DESIGNATION STRIP DEKAFIX 5GW052276B	09192	55 WEIDMUELLER	N 0 0 0
1	1538306	133	2,000 FB STK DESIGNATION STRIP DEKAFIX 5GW052276C	09193	55 WEIDMUELLER	N 0 0 0
1	1538314	134	2,000 FB STK DESIGNATION STRIP DEKAFIX 5GW052276D	09194	55 WEIDMUELLER	N 0 0 0

VT = Verschleissteil J/N

E = Ersatzteil 1=Ersatzteil 6=Ersatzteilstück

T = Teilestammstatus 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

S = Stuecklistenstat 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

----- End of List -----

STAGE ID.NO.	ITEM QTY	NAME / PE DISIGNATION	DRAWING	GROUP	VT-S ETK
2530857		EF STK SAFETY-CONTR. WITH ACC.	013020	92	N N
1	2128884	1,000 FB STK RS V - SAFETY-CONTROLLER		92	ELAN SCHALTE N 0 0 0
1	2363606	2,000 FB STK PLUG CONNECTION FK-MSTBP1,5/3-ST-5,08	1681	54	PHOENIX CONT N 0 0 0
1	2363614	2,000 FB STK PLUG CONNECTION FK-MSTBP1,5/6-ST-5,08	1684	54	PHOENIX CONT N 0 0 0
1	2363622	1,000 FB STK PLUG CONNECTION FK-MSTBP1,5/10-ST-5,08	1688	54	PHOENIX CONT N 0 0 0
1	2363630	2,000 FB STK PLUG CONNECTION FK-MSTBP1,5/20-ST-5,08	1697	54	PHOENIX CONT N 0 0 0
1	2365395	8,000 FB STK CONVERTER FBC AVTHD64STC/XL 163023	0120	54	WEIDMUELLER N 0 0 0
1	956110	2,000 FB STK DEPTH STAY 540 MM FOR PS CABINET	0781	4	RITTAL-WERK N 0 0 0
1	2363366	10,1200,000 FB MM CAN BUS LINE 104207 3X2X0,22 PVC	501623	56	LUETZE FRIED N 0 0 0
1	1476119	1,000 FB STK D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	54	HARTING ELEK N 0 0 0
1	1476135	3,000 FB STK CRIMP CONTACT D-SUB PIN FL20PL	0962	54	F C T ELECTR N 0 0 0
1	2363366	13,1200,000 FB MM CAN BUS LINE 104207 3X2X0,22 PVC	501623	56	LUETZE FRIED N 0 0 0
1	1476192	2,000 FB STK FULL METAL HOOD 9P.45DEGR. FMK1	0911	54	F C T ELECTR N 0 0 0
1	956334	4,000 FB STK LOCKING 4-40UNC 250-8501-004	0253	54	SPOERLE ELEC N 0 0 0
1	1476127	1,000 FB STK D-SUBMINIATURE PLUG-IN CONNECTION 9P. BU	0941	54	F C T ELECTR N 0 0 0
1	1476143	3,000 FB STK D-SUB CRIMP CONTACTS BU FK20SL	0961	54	F C T ELECTR N 0 0 0
1	2363325	1,000 EF STK CONNECTING CABLE SAFETY-CONTR.- PORT.TEACH.PEND. JACK 26POL.		92	N 0 0 0
.2	1539833	1,000 FB STK D-SUB 25POL.TERMINAL PIN F 25PK120	0938	54	F C T ELECTR N 0 0 0
.2	1476317	1,000 FB STK D-SUB 25POL.JACK IDC F25S15K49	0985	54	F C T ELECTR N 0 0 0
.2	1476333	3,1400,000 FB MM FLAT CABLE 26 POL. 3365-26	700126	56	SPOERLE ELEC N 0 0 0
.2	1764431	2,000 FB STK S-SUB SCREW CLIP 43438-3	0267	54	SCHURICHT GM N 0 0 0
.2	1476556	2,000 FB STK LOCKING PART SUB-D 170-20418-2-X	1336	54	HARTING ELEK N 0 0 0

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----- End of List -----

STAGE ID.NO.	ITM QTY	HA ME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
2364778		EF STK RACK 2SLOT/POWER PACK/ACC. RS5		92	N N
1	2141077	1 1,000 FB STK VME-RACK 2SLOT 6HE/16TE 9999111.	05006	36	RITTAL-WERK N 6 0 0
1	745	3 3.000,000 FB MM OELFLEX NUMBERED CABLE 3X0,75	100103	56	SAB SIGNAL- N 1 0 0
1	44925	4 7,000 FB STK MULTICORE CABLE END 4096.0	0304	58	WEIDMUELLER N 1 0 0
1	2363879	6 1,000 FB STK CPU-60D/32/CX STAND.	05000	36	FORCE COMPUT N 1 0 0
1	2365486	7 1,000 EF STK M MODULE CARRIER + M MODULE		90	N 1 0 0
.2	2139923	1 1,000 FB STK M-MODULE MCAN	06005	36	MEGATEC ELEC N 0 0 0
.2	2364760	2 1,000 FB STK M MODUL SUPPORT WZ-C000	06006	36	WEZA GMBH N 0 0 0
1	2363317	9 1,000 EF STK CONNECTING CABLE SAFETY-CONTR. M-MODUL TWIS.P. 10POL.		92	N 0 0 0
.2	2363671	2 2,000 FB STK SUB-D 9POL.BU/PLUG INSERT 09 66 118 7500	1357	54	HARTING ELEK N 6 0 0
.2	2530865	3 1.500,000 FB MM FLAT CABLE PAAR.VERS.10POL. 09 18 010 7006 (1700-10)	700112	56	HARTING ELEK N 0 0 0
.2	1764431	4 4,000 FB STK S-SUB SCREW CLIP 43438-3	0267	54	SCHURICHT GM N 6 0 0
1	2139139	20 1,000 FB STK SAFETY CLAMPING ZSI 2,5	1141	55	WEIDMUELLER N 0 0 0
1	2139162	21 1,000 FB STK PARTITION WALL ZAP/TW3 160880	1163	55	WEIDMUELLER N 0 0 0
1	2139766	22 1,000 FB STK PARTITION WALL ZAP TNHE/ZS/2,5	1165	55	WEIDMUELLER N 0 0 0
1	43968	23 1,000 FB STK FINE WIRE FUSE 2A TR.5X20FST034-3120	0151	7	I-CENTER N 0 0 0
1	2140129	24 1,000 FB STK POWER CURRENT SUPPLY + AKKU L1006	541	16	CONVERTEC LT N 0 0 0
1	2364596	30 1,000 FB STK PRESSURE SWITCH 10MM	0700	58	FLEISCHHAUER N 0 0 0
1	2364638	31 1,000 FB STK ESD-ATTENTION PLATE	400	75	FLEISCHHAUER N 0 0 0

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-- End of List --

STAGE	ID.NO.	ITEM QTY	NAME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	2364109		EF STK AKKU 12V/3,5AH + ACC.		92	NN
1	1727008	1	1,000 FB STK DRYFIT-AKKU 12V/3,5H 254096-55	521	16 CONRAD ELECT	N 0 0 0
1	1735902	5	2,000 FB STK FIX.SHEET-METAL BUFFER SGB-48	109.0210.4.00	466 REIKU GMBH	N 0 .0 0
1	1953695	6	4,000 FB STK SHEET-METAL SCREW SZ 2486.000	1043	4 RITTAL-WERK	N 0 0 0
1	1721696	7	6,000 FB STK THREAD-FORMING SCREW DIN7500C/VZ M4X	20 M4X15	661 BERRANG KARL	N 0 0 0
1	2406801	10	1,000 EF STK SHEET-METAL F. BUFFER 3X135X350	109.0257.3.00-2	409	N 0 0 0
.2	17509	1	480,000 FB CM2 ALU PLATE ALMG3 HH 3X1000X2000	003	830 THYSSEN SCHU	N 0 0 0
1	1728329	11	2,000 FB STK FLAT PLUG-IN SLEVVE 820/3V 4,8X0,8	0250	58 HIRSCH HERBE	N 0 0 0
1	1728394	12	2,000 FB STK FLAT PLUG-IN SLEEVE 830/3V 4,8X0,8	0251	58 HIRSCH HERBE	N 0 0 0

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STAGE	ID.NO.	ITM QTY	HA ME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	2140442		EF STK DISK-LW / FRONT PLATE / E-BOX /	012945	92	N N
1	2139949	1	1,000 FB STK DISK DRIVE - ADAPTER RSV	06100	36 MEGATEC ELEC	N 0 0 0
1	2139980	5	1,000 FB STK PLUG SPGVERS. DISK DRIVE	5000	54 REICHELT ELE	N 0 0 0
1	1381566	6	1.000,000 FB MM LIYY 30X0,34 NO.0028403	500503	56	N 0 0 0
1	2130047	10	1,000 FB STK DISK DRIVE 3.5" 1.44 MB	MF 355F-3250 MG	39 LION ELECTRO	N 6 0 0
1	2139931	12	1,000 FB STK INTERFACE MOUNTING BOX	0980	4 RITTAL-WERK	N 0 0 0
1	2175760	13	1,000 FB STK FRONT PLATE/-FOIL RSV	109.0241.1.00	-C 34 KUENKLER EGO	N 0 0 0
1	2363309	15	1,000 EF STK CONNECTING CABLE RACK-DLW TWIS.P		92	N 0 0 0
.2	2141044	1	1.000,000 FB MM FLAT CABLE VERS.34POL. 09 18 034 7006	700130	56 HARTING ELEK	N 0 0 0
.2	1476507	2	2,000 FB STK POST CONNECTION 34POL.	9115	54 HARTING ELEK	N 0 0 0
			G80D34P3BK			

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----- End of List -----

STAGE	ID.NO.	ITEM QTY	HA ME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	2363713		EF STK CC-MECH./1200/RS5		92	N N
1	2364497	1	1,000 FB STK CONTROL CABINET 1200		92	RITTAL-WERK N 0 0 0
.2	2362970	1	1,000 FB STK CONTROL CABINET 7761.235 SPEC.	3262	4	RITTAL-WERK N 0 2 2
.2	1926477	2	1,000 FB STK SIDE WALL DK 7617	3050	4	RITTAL-WERK N 0 0 2
.2	1742684	3	1,000 FB STK CC 1200 SIDE WALL DK7617 W. FAN	109.0213.3.00 -C	77	RITTAL-WERK N 0 0 2
.2	1742692	4	1,000 FB STK CC 1200 DOOR WITH FAN	109.0212.3.00 -C	77	RITTAL-WERK N 0 0 2
.2	2409805	6	1,000 FB STK CONTROL CABINET 1200 MOUNTING PLATE	109.0252.0.00-2	77	RITTAL-WERK N 0 2 2
1	836189	7	4.000,000 FB MM CABLEDUCT LKG 75050	5021	57	BRAUN GMBH & N 0 0 0
1	41574	8	1.200,000 FB MM FUSE BAR 35 MM DIN 46277	0000	55	WEIDMUELLER N 0 0 0
1	1471565	20	1,000 FB STK SYSTEM-CHASSIS PS 4371.000	0565	4	RITTAL-WERK N 0 0 0
1	791558	21	1,000 FB STK BEARING RAIL PS 4396 VP 2 ST.	0617	4	RITTAL-WERK N 0 0 0
1	775478	22	3,000 FB STK TRAVERSE OF DOOR 800 MM WIDE PS 4598	0736	4	RITTAL-WERK N 0 0 0
1	31039	25	2.000,000 FB MM CABLEDUCT LKG 50030	5011	57	MAINLAND GMB N 0 0 0
1	1285437	26	5,000 FB STK GROUNDING STRIP 4X170 SZ 2564.000	1135	4	RITTAL-WERK N 0 0 0
1	1476077	27	1,000 FB STK GROUNDING STRIP SZ 2567 4X300	1138	4	RITTAL-WERK N 0 0 0
1	1476093	28	1,000 FB STK GROUNDING STRIP SZ2565 16X170	1136	4	RITTAL-WERK N 0 0 0
1	1476051	29	2,000 FB STK GROUNDING STRIP SZ2569 25X300	1140	4	RITTAL-WERK N 0 0 0
1	23770	35	1,000 FB STK BOLTINGS ZEV PG 11 NO.710	0008	59	WEYDEMAYER G N 0 0 0
1	23796	36	1,000 FB STK BOLTINGS ZEV PG 16 NO.1015	0019	59	WEYDEMAYER G N 0 0 0
1	24042	37	1,000 FB STK CHECK NUT PG 16, BRASS	0105	59	PFLITSCH & C N 0 0 0
1	24026	38	1,000 FB STK CHECK NUT GMS-PG 11	0103	59	PFLITSCH & C N 0 0 0
1	1538918	39	4,000 FB STK FLAT CABLE SUPPORT FCM3-1-L14/274768		58	SPOERLE ELEC N 0 0 0
1	1339259	42	4,000 FB STK COVER PLATE(24.P.O.DUMMY PLATE)SZ2477	1037	4	RITTAL-WERK N 0 0 0
1	2139394	50	6,000 FB STK CABLE GUIDE CLAMP DK 7112.000	1170	4	RITTAL-WERK N 0 0 0
1	2245746	60	1,000 FB STK HEWI HOOK NO.520.50.1	050	750	SCHWING HERM N 0 0 0
1	1391854	61	1,000 FB STK CABLE SUPPORT TYPE 92 NO.9203	5694	98	REGEL-TECHNI N 0 0 0
1	2278242	70	1,000 EF STK INSERTION SHEET-METAL 506X630X1	109.0244.3.00-1 -C 409		N 0 0 0
.2	1717660	1	3.190,000 FB CM2 FINE SHEET METAL 1X1500X3000 ST. 12.03	001	829	MARBURG LOUI N 0 0 0
1	31047	75	1.500,000 FB MM CABLEDUCT LKG 50050	5012	57	MAINLAND GMB N 0 0 0
1	1284901	90	1,000 FB STK FILTER FAN 220 CBM SK 3152	3152	3	RITTAL-WERK N 0 0 0
1	1391839	91	1,000 FB STK EXHAUST FILTER SK 3162	3162	3	RITTAL-WERK N 0 0 0
1	1391847	92	2,000 FB STK FILTER FAN SEALING FRAME SK 3192	3192	3	RITTAL-WERK N 0 0 0

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-- End of List --

STAGE	ID.NO.	ITEM QTY	NAME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	2140376		EF STK PORT.TEACH PEND. CABLE RSV 7,5 M		92	NN
1	320820	1	1,000 FB STK FLANGE TYPE SOCKET 25P.DBM 25P./PINS	0205	54 SPOERLE ELEC N 0 0 0	
1	1476200	2	1,000 FB STK FULL METAL HOOD 45DEGR.25POL.FMK3	0913	54 F C T ELECTR N 0 .0	
1	1624577	3	2,000 FB STK KNULED SCREW FRS1Y5	0988	54 F C T ELECTR N 0 0 0	
1	2140335	5	7.500,000 FB MM PORT.TEACH PEND. LI12YD11 Y 5X(2X0,08)+2X0,35	501620	56 ERNST + ENGB N 0 0 0	
1	1391607	6	90,000 FB MM HEAT-SHRINKABLE-SLEEVE PLG 250-0-E	0906	57 BRAUN GMBH & N 0 0 0	
1	2362897	7	1,000 FB STK TIGHT REDUCING KUS 9/7 5202 5040	0290	59 BRAUN GMBH & N 0 0 0	
1	2140822	8	1,000 FB STK SKINTOP BOLTING BS7 5301 5800	0217	59 BRAUN GMBH & N 0 0 0	
1	1767012	9	1,000 FB STK FLANGE ANGLE PG9 FW9	1001	59 PFLITSCH & C N 0 0 0	
1	2140749	12	1,000 FB STK PLUG CRIMP HOUSING 16POL. 90160-0116	1201	54 SEI JERMYN G N 0 0 0	
1	2140756	13	2,000 FB STK CRIMP CONTACT AWG22-24 AU 90119-2110	1202	54 SEI JERMYN G N 0 0 0	
1	2362954	14	10,000 FB STK CRIMP CONTACTS AWG26-38 AU90119-2121	1203	54 SEI JERMYN G N 0 0 0	
1	1952739	15	1,000 FB STK FLAT PLUG-IN SLEEVE 0,75-1,50 RED		58 HIRSCH HERBE N 0 0 0	
1	1391565	16	50,000 FB MM HEAT-SHRINKABLE-SLEEVE PLG 63-0-E	0902	57 AUTEC VERTRI N 0 0 0	

VT = Verschleissteil J/N

E = Ersatzteil 1=Ersatzteil 6=Ersatzteilpaket

T = Teilestammstatus 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

S = Stuecklistenstat 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

-- End of List --

STAGE ID.NO.	ITEM QTY	NAME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	2363523	EF STK ADDITIONAL AXIS RS5 RDK05		92	N N
1	2531335	1,000 EF STK AC AXE / IRT 4005	013019	92	N 0 0 0
.2	2138610	1,000 FB STK REGULATOR 4005	6022	21 I R T SA	J 6 0 0
.2	2139527	1,000 FB STK BAR CLAMPING SK14 3025176	4101	55 PHOENIX CONT	N 0 0 0
.2	2290726	1,000 EF STK CONNECTING CABLE/REGULATOR CAN-BUS	012995	92	N 0 0 0
.3	2140491	1,000 FB STK SUB-D 9POL.BU/INSULATION TERMINAL	1358	54 HARTING ELEK	N 0 0 0
.3	2363671	1,000 FB STK SUB-D 9POL.BU/PLUG INSERT 09 66 118 7500	1357	54 HARTING ELEK	N 0 0 0
.3	956292	70,000 FB MM FLAT CABLE 9POLES FBK-9	700109	56 HARTING ELEK	N 0 0 0
.3	1764431	4,000 FB STK S-SUB SCREW CLIP 43438-3	0267	54 SCHURICHT GM	N 0 0 0
.2	2140954	1,000 FB STK FIXATION SET FOR BLZ SLABB6RORSET 156296	1439	54 WEIDMUELLER	N 0 0 0
.2	2140947	1,000 FB STK JACK BAR 2POL. BLZ5.08/2BSNOR 152876	1430	54 WEIDMUELLER	N 0 0 0
.2	2139022	1,000 EF STK MOTOR LINE / SS		90	N 1 0 0
.3	1675447	1 1.350,000 FB MM OELFLEX-110 CY 5X1,0	101205	56 WEYDEMAYER G	N 0 0 0
.3	356410	6,000 FB STK CRIMP CONTACT 0,75 AG 09 33 000 6205	0182	52 HARTING ELEK	N 0 0 0
.3	44917	5,000 FB STK MULTICORE CABLE END 4097.0	0306	58 WEIDMUELLER	N 0 0 0
.3	44933	1,000 FB STK MULTICORE CABLE END 4631.0	0307	58 WEIDMUELLER	N 0 0 0
.2	2531269	1,000 EF STK RESOLVER LINE CC-ADD.	013019	92	N 1 0 0
.3	1402388	1 1.600,000 FB MM SPIRAL CABLE SIG.ERK 0950 REV.5	470950	56 ELOCAB SONDE	N 0 0 0
.3	1476119	1,000 FB STK D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	54 HARTING ELEK	N 0 0 0
.3	1476135	9,000 FB STK CRIMP CONTACT D-SUB PIN FL20PL	0962	54 F C T ELECTR	N 0 0 0
.3	1476192	1,000 FB STK FULL METAL HOOD 9P.450EGR. FMK1	0911	54 F C T ELECTR	N 0 0 0
.3	956334	2,000 FB STK LOCKING 4-40UNC 250-8501-004	0253	54 SPOERLE ELEC	N 0 0 0
.3	2139816	6,000 FB STK CRIMP CONTACT 0,37 AU 09 33 000 6217	0194	52 HARTING ELEK	N 0 0 0
.2	2139840	2,000 FB STK DOUBLE TERMINAL ZDK 2,5/1,5 167430	1151	55 WEIDMUELLER	N 0 0 0
.2	2139857	2,000 FB STK PARTITION WALL ZAP TW 2,5/1,5 167473	1166	55 WEIDMUELLER	N 0 0 0
.2	2139568	1510,000,000 FB MM SERVO LINE 1 2(3X0,35)+2X0,15+3X2X0,15	323014	56 ERNST + ENGB	N 0 0 0
1	1391615	2 50,000 FB MM HEAT-SHRINKING-SLEEVE PLG 375-0-E	0907	57 BRAUN GMBH &	N 0 0 0
1	2139584	3 1,000 FB STK PLUG FSTA134NN00080001000	1010	54 INTERCONTEC	N 0 0 0
1	2139600	4 4,000 FB STK CONTACT JACK 2,0 760AB003211X	1011	54 INTERCONTEC	N 0 0 0
1	2139972	5 1,000 FB STK IDENTIF. LABEL KSK 11X09 86421034	1015	54 MURRPLASTIK	N 0 0 0
1	2139592	6 10,000 FB STK CONTACT JACK 1,0 760AB001211X	1012	54 INTERCONTEC	N 0 0 0
1	2531343	11 1,000 EF STK AC AXIS / IRT 4009	013019	92	N 0 0 0
.2	2138628	1 1,000 FB STK REGULATOR 4009	6023	21 I R T SA	J 6 0 0
.2	2139527	1,000 FB STK BAR CLAMPING SK14 3025176	4101	55 PHOENIX CONT	N 0 0 0
.2	2290726	1,000 EF STK CONNECTING CABLE/REGULATOR CAN-BUS	012995	92	N 0 0 0
.3	2140491	1,000 FB STK SUB-D 9POL.BU/INSULATION TERMINAL	1358	54 HARTING ELEK	N 0 0 0
.3	2363671	1,000 FB STK SUB-D 9POL.BU/PLUG INSERT 09 66 118 7500	1357	54 HARTING ELEK	N 0 0 0
.3	956292	70,000 FB MM FLAT CABLE 9POLES FBK-9	700109	56 HARTING ELEK	N 0 0 0
.3	1764431	4,000 FB STK S-SUB SCREW CLIP 43438-3	0267	54 SCHURICHT GM	N 0 0 0
.2	2140954	1,000 FB STK FIXATION SET FOR BLZ SLABB6RORSET 156296	1439	54 WEIDMUELLER	N 0 0 0
.2	2140947	1,000 FB STK JACK BAR 2POL. BLZ5.08/2BSNOR 152876	1430	54 WEIDMUELLER	N 0 0 0
.2	2139022	1,000 EF STK MOTOR LINE / SS		90	N 1 0 0

STAGE	ID.NO.	ITM QTY	HA ME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	2363523		EF STK ADDITIONAL AXIS RS5 RDK05		92	N N
.3	1675447	1	1.350,000 FB MM OELFLEX-110 CY 5X1,0	101205	56 WEYDEMAYER G	N 0 0 0
.3	356410	2	6,000 FB STK CRIMP CONTACT 0,75 AG 09 33 000 6205	0182	52 HARTING ELEK	N 0 0 0
.3	44917	3	5,000 FB STK MULTICORE CABLE END 4097.0	0306	58 WEIDMUELLER	N 0 0 0
.3	44933	4	1,000 FB STK MULTICORE CABLE END 4631.0	0307	58 WEIDMUELLER	N 0 0 0
.2	2531269	9	1,000 EF STK RESOLVER LINE CC-ADD.	013019	92	N 1 0 0
.3	1402388	1	1.600,000 FB MM SPIRAL CABLE SIG.ERK 0950 REV.5	470950	56 ELOCAB SONDE	N 0 0 0
.3	1476119	2	1,000 FB STK D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	54 HARTING ELEK	N 0 0 0
.3	1476135	3	9,000 FB STK CRIMP CONTACT D-SUB PIN FL20PL	0962	54 F C T ELECTR	N 0 0 0
.3	1476192	4	1,000 FB STK FULL METAL HOOD 9P.45DEGR. FMK1	0911	54 F C T ELECTR	N 0 0 0
.3	956334	5	2,000 FB STK LOCKING 4-40UNC 250-8501-004	0253	54 SPOERLE ELEC	N 0 0 0
.3	2139816	6	6,000 FB STK CRIMP CONTACT 0,37 AU 09 33 000 6217	0194	52 HARTING ELEK	N 0 0 0
.2	2139840	12	2,000 FB STK DOUBLE TERMINAL ZDK 2,5/1,5 167430	1151	55 WEIDMUELLER	N 0 0 0
.2	2139857	13	2,000 FB STK PARTITION WALL ZAP TW 2,5/1,5 167473	1166	55 WEIDMUELLER	N 0 0 0
.2	2139576	1510.000,000	FB MM SERVO LINE 2 3X1,0+(1X1,0+2X0,5)+ 2X0,15+3X2X0,15	323214	56 ERNST + ENGB	N 0 0 0
1	1391615	12	50,000 FB MM HEAT-SHRINKING-SLEEVE PLG 375-0-E	0907	57 BRAUN GMBH &	N 0 0 0
1	2139584	13	1,000 FB STK PLUG FSTA134NN00080001000	1010	54 INTERCONTEC	N 0 0 0
1	2139600	14	4,000 FB STK CONTACT JACK 2,0 760A8003211X	1011	54 INTERCONTEC	N 0 0 0
1	2139972	15	1,000 FB STK IDENTIF. LABEL KSK 11X09 86421034	1015	54 MURRPLASTIK	N 0 0 0
1	2139592	16	10,000 FB STK CONTACT JACK 1,0 760A8001211X	1012	54 INTERCONTEC	N 0 0 0
1	2140483	20	1,000 EF STK CONTROL CABINET CONNECTION 46POL.	012945	92	N 0 0 0
.2	338046	1	1,000 FB STK HOUSING BOTTOM 09 30 024 0301	0408	52 HARTING ELEK	N 1 0 0
.2	2139220	2	1,000 FB STK JACK INSERT 09 32 046 3109	2522	52 HARTING ELEK	N 1 0 0
.2	2139238	3	1,000 FB STK PIN INSERT 09 32 046 3009	2521	52 HARTING ELEK	N 1 0 0
.2	1170688	4	1,000 FB STK SOCKET HOUSING 09 30 024 0521	0403	52 HARTING ELEK	N 1 0 0
1	2140475	21	1,000 EF STK MACHINE CONNECTION 46POL.	012945	92	N 0 0 0
.2	1281691	1	1,000 FB STK SOCKET HOUSING 09 30 024 0271/PG29	0414	52 HARTING ELEK	N 0 0 0
.2	2139220	2	1,000 FB STK JACK INSERT 09 32 046 3109	2522	52 HARTING ELEK	N 0 0 0
.2	2139238	3	1,000 FB STK PIN INSERT 09 32 046 3009	2521	52 HARTING ELEK	N 0 0 0
.2	1170688	4	1,000 FB STK SOCKET HOUSING 09 30 024 0521	0403	52 HARTING ELEK	N 0 0 0
1	749580	50	1.500,000 FB MM NSLFFOEU 70SW GROUND CABLE	0905	56 MAINLAND GMB	N 0 0 0
1	15800	51	2,000 FB STK HEXAGON,CAP SCR.DIN933 M10X25 BRASS	56 10X 25	657 SPOHR GEORG	N 0 0 0
1	1178038	52	2,000 FB STK CABLE SHOE RING M10/70MM	0132	58 KLAUKE GUSTA	N 0 0 0
1	3749	53	2,000 FB STK NUT DIN 934 M 10 BRASS	22 10	678 GERGEN CAMIL	N 0 0 0
1	887273	54	1,000 FB MM PROTECTIVE HOSE PISG-36/PG36	0507	57 FRAENKISCHE	N 0 0 0
1	98053	55	1,000 FB STK PIPE CLAMP RAPR 542 (HRL5KP42PP)	060	155 HYDAC TECHNO	N 0 0 0
1	31153	56	1,000 FB STK ISO TERMINAL BUSHING PG 29	8006	59 BRAUN GMBH &	N 0 0 0
1	113464	57	1,000 FB STK QUICK-GL-TERMINAL CLAMP PG 29	0766	57 MAINLAND GMB	N 0 0 0
1	30908	58	1,000 FB MM STEEL ARMORED PIPE PG 29	0806	57 I-CENTER	N 0 0 0

STAGE ID.NO.	ITEM QTY	NAME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
2363523		EF STK ADDITIONAL AXIS RS5 RDK05		92	NN
1	6056	59 2,000 FB STK WASHER DIN125 10,5 BRASS	15135	696 GERGEN CAMIL N 0 0 0	
1	52571	60 2,000 FB STK TOOTHED GEAR DIN 6797, VERN. A 10,5	43 10,5	697 SPOHR GEORG N 0 0 0	

VT = Verschleissteil J/N

E = Ersatzteil 1=Ersatzteil 6=Ersatzteilepaket

T = Teilestamnstatus 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

S = Stuecklistenstat 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

--- End of List ---

STAGE	ID.NO.	ITM QTY	HA ME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	2141010		EF STK DNC REMOTE CUSTOMER SERVICE ENGLISH		92	N N
1	1538538	2	1,000 EF STK FLAT CABLE PU X2 -- OP.OFFLINE RV6	011200	90	N 0 0 0
.2	956292	2	1.010,000 FB MM FLAT CABLE 9POLES FBK-9	700109	56 HARTING ELEK N 0 0 0	
.2	1476218	3	1,000 FB STK D-SUB 9POL.PIN IDC F09P15K49	0981	54 F C T ELECTR N 0 0 0	
.2	956359	4	1,000 FB STK PLUG HOUSING 9POLES DE 121 073-169	0232	54 SPOERLE ELEC N 0 0 0	
.2	956334	5	2,000 FB STK LOCKING 4-40UNC 250-8501-004	0253	54 SPOERLE ELEC N 0 0 0	
.2	1476226	6	1,000 FB STK D-SUB 9POL.JACK IDC F09S15K49	0983	54 SPOERLE ELEC N 0 0 0	
.2	956334	7	2,000 FB STK LOCKING 4-40UNC 250-8501-004	0253	54 SPOERLE ELEC N 0 0 0	
.2	1476556	8	2,000 FB STK LOCKING PART SUB-D 170-20418-2-X	1336	54 HARTING ELEK N 0 0 0	
1	2138958	6	1,000 EF STK PERIPHERAL CABLE DNC RSV 15M	012785	92	N 0 0 0
.2	1476119	1	1,000 FB STK D-SUP 9POL.CRIMP PIN FL-09P7K120	0951	54 HARTING ELEK N 0 0 0	
.2	1476192	2	1,000 FB STK FULL METAL HOOD 9P.45DEGR. FMK1	0911	54 F C T ELECTR N 0 0 0	
.2	1476135	3	9,000 FB STK CRIMP CONTACT D-SUB PIN FL20PL	0962	54 F C T ELECTR N 0 0 0	
.2	960120	415.000,000	FB MM LIFYCY 6X2X0,2 BG22 W/TOTAL SHIELD.	504306	56 SAB SIGNAL- N 0 0 0	
.2	1476184	5	1,000 FB STK D-SUB PLUG CONNECT.25P.BU FL25S7K121	0943	54 F C T ELECTR N 0 0 0	
.2	1476200	6	1,000 FB STK FULL METAL HOOD 45DEGR.25POL.FMK3	0913	54 F C T ELECTR N 0 0 0	
.2	1476143	7	9,000 FB STK D-SUB CRIMP CONTACTS BU FK20SL	0961	54 F C T ELECTR N 0 0 0	
1	2216036	7	1,000 FB STK PC ANYWHERE 8.0 WIN95/98	0506	39 LANG HENDRIK N 0 0 0	
1	2138388	8	1,000 FB STK INTERFACE OPERAT. SIGMA 6	0510	39 LANG HENDRIK N 0 0 0	
1	1928002	9	1,000 FB STK MODEM ELSA MICROLINK 33.6 TQV	0500	39 LANG HENDRIK N 0 0 0	
1	1927889	10	1,000 FB STK ADAPTER TAE	0501	39 LANG HENDRIK N 0 0 0	
1	1927764	11	1,000 FB STK TELEPHONE CABLE 15M WITH TAE N-WESTERN	0502	39 LANG HENDRIK N 0 0 0	
1	1173344	20	1,000 FB STK RS232-ADAPTER 9POL.BU-25POL.S	0991	54 CONRAD ELECT N 0 0 0	

VT = Verschleisssteil J/N

E = Ersatzteil 1=Ersatzteil 6=Ersatzteilepaket

T = Teilestammstatus 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

S = Stuecklistenstat 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

----- End of List -----

STAGE ID.NO.	ITM QTY	HA ME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	1539726	EF STK SENSOR CONTROL FOR		92	N N
1	955054	210.000.000 FB MM LIYCY 3X0,5/55 SCREENED	501603	56 WEYDEMAYER G N 1 0 0	
1	749424	3 1,000 FB STK BOARD FOR CONTACT SENSOR	09000	36 MEGATEC ELEC N 6 0 0	
1	1542308	4 1,000 FB STK PLUG-IN BOARDS SUPPORT SKH231S817480	100	38 WEIDMUELLER N 0 0 0	

VT = Verschleissteil J/N

E = Ersatzteil 1=Ersatzteil 6=Ersatzteilelpaket

T = Teilestamnstatus 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

S = Stuecklistenstat 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

----- End of List -----

STAGE ID.NO.	ITEM QTY	NAME / PE DISIGNATION	DRAWING	GROUP	VT-S ETK
2530402		EF STK ACC. WELDING RS5	012984	92	N N
1	1564526	1 4,000 FB STK BASE RING AL=12UH K56/32/18W-K6000	3002	14	KASCHKE KG G N 0 0 0
1	43901	3 1,000 FB STK FINE WIRE FUSE 250MA T 5X20	0141	7	SCHURTER GMB N 0 0 0
1	347427	4 9.000,000 FB MM LIFYCY 2X2X0,2/22	504302	56	SAB SIGNAL- N 0 0 0
1	1285767	5 1,000 FB STK CPC PIN HOUSING 37 PIN 0-0206305-1	1511	53	AMPLIVERSAL N 0 0 0
1	1285775	6 1,000 FB STK CPC COVER 0-0182652-1	1513	53	AMPLIVERSAL N 0 0 0
1	1285783	7 18,000 FB STK CPC 3XPIN FOR CPC 0-0163082-1	1512	53	AMPLIVERSAL N 0 0 0
1	347401	8 9.000,000 FB MM LIFYCY 12X2X0,2/22	504312	56	SAB SIGNAL- N 0 0 0
1	634444	9 9.000,000 FB MM LIFYCY 24X2X0,2 BG22 W/TOTAL SHIELD	504324	56	WEYDEMAYER G N 0 0 0
1	749580	10 4.000,000 FB MM NSLFFOEU 70SW GROUND CABLE	0905	56	MAINLAND GMB N 0 0 0
1	1178020	11 8,000 FB STK CABLE SHOES 70 MM2/M8 0036922	0131	58	KLAUKE GUSTA N 0 0 0
1	1562124	12 1,000 FB STK UNI INSERT SEAL PG29 155 M2X11	009849	59	WEYDEMAYER G N 0 0 0
1	2140459	13 1,000 EF STK CONTROL CABINET CONNECTION 108POL.	012945	92	N 0 0 0
.2	338046	1 1,000 FB STK HOUSING BOTTOM 09 30 024 0301	0408	52	HARTING ELEK N 1 0 0
.2	1170647	2 1,000 FB STK JACK INSERT 09161083101	2008	52	HARTING ELEK N 1 0 0
.2	1170639	3 1,000 FB STK PIN INSERT 09161083001	2007	52	HARTING ELEK N 1 0 0
.2	1170688	4 1,000 FB STK SOCKET HOUSING 09 30 024 0521	0403	52	HARTING ELEK N 1 0 0
1	2139774	15 1,000 FB STK FUSE TERMINALS ZSI 2,5/LD24DC	1142	55	WEIDMUELLER N 0 0 0
1	2139162	16 1,000 FB STK PARTITION WALL ZAP/TW3 160880	1163	55	WEIDMUELLER N 0 0 0
1	2139766	17 1,000 FB STK PARTITION WALL ZAP TNHE/ZS/2,5	1165	55	WEIDMUELLER N 0 0 0
1	2530816	18 2,000 FB STK FLAT PLUG IN SLEEVE 0,75-1,50	252	58	HIRSCH HERBE N 0 0 0

VT = Verschleissteil J/N

E = Ersatzteil 1=Ersatzteil 6=Ersatzteilepaket

T = Teilestammstatus 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

S = Stuecklistenstat 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

-- End of List --

STAGE ID.NO.	ITM QTY	HA ME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	2216507	EF STK WIR.DIAGR. + ACC. 52.588.00	013326	90	N N
1	1052498	2 1,000 EF STK ENGR.INFORMATION SIGN -GB- 220X140X1	SKH 686.2	75	KUENKLER EGO N 0 0 0
.2	1066910	1 310,000 FB CM2 ANODIZED ENGRAVING BOARD 601/01 1000X500MM	506	74	GRAVOGRAPH G N 0 0 2
1	1223172	3 4,000 FB STK CONTACT LP1 D09 10BD	320	10	SCHNEIDER EL N 0 0 0
1	133686	4 1,000 FB STK LUMINOUS KEY BLUE ZB2-BW36	3295	28	SCHNEIDER EL N 0 0 0
1	1387423	5 1,000 FB STK MOTOR PROTECTION GV1-M05 0,63-1A	005	8	SCHNEIDER EL N 0 0 0
1	1387597	6 1,000 FB STK COLLECTING BAR - SYSTEM GV1-G08	042	8	SCHNEIDER EL N 0 0 0
1	1388231	7 1,000 FB STK DC-SUPPLY 039/400V-24VDC/15A	053	16	KOENIG-WOERL N 6 0 0
1	1408898	8 1,000 FB STK UNIVERSAL-ID.PLATE 350.9801.400 -C	0502	75	KUENKLER EGO N 0 0 0
1	1626770	9 1,000 FB STK RELAY COUPLER 1S RMM 11/24 51851	0261	11	MURRELEKTRON N 0 0 0
1	1766600	10 1,000 FB STK SAFETY RELAIS TIME SRB-NA-R-C16-24V	0903	13	ELAN SCHALTE N 6 0 0
1	1766832	11 1,000 FB STK SAFETY RELAY SRB-NA-R-C15-24V	0902	13	ELAN SCHALTE N 6 0 0
1	1766857	12 1,000 FB STK POWER LINE FILTER 7A FN258- 7-07	0913	14	SCHAFFNER EL N 0 0 0
1	1851642	13 1,000 FB STK MSS 24VDC 0 891 321	0074	65	FRANZ J. ING N 0 0 0
1	1851659	14 1,000 FB STK MOUNTING FRAME 2 405 218	0157	65	FRANZ J. ING N 0 0 0
1	1851816	15 2,000 FB STK BULP 28V DL1-CE028	3468	28	BRAUN GMBH & N 0 0 0
1	1926139	16 1,000 FB STK MOT.PROTECT. SW.GV2-RT10	0091	8	SCHNEIDER EL N 0 0 0
1	2139105	17 6,000 FB STK LINE UP TERMINAL ZDU 2,5/4AN	1103	55	WEIDMUELLER N 0 0 0
1	2139113	18 2,000 FB STK LINE UP TERMINAL ZDU 2,5/4AN BL	1113	55	WEIDMUELLER N 0 0 0
1	2139162	19 4,000 FB STK PARTITION WALL ZAP/TW3 160880	1163	55	WEIDMUELLER N 0 0 0
1	2140079	20 1,000 FB STK BUS HOUSING, PAINTED BG1558.210	736	2	RITTAL-WERK N 0 0 0
1	2140541	21 1,000 FB STK BUS NODE CAN+8DI MBM-C 55900	9301	35	MURRELEKTRON N 6 0 0
1	2140616	22 1,000 FB STK F.KL.BLOCK F.MBM08/0,5 55956	9309	35	MURRELEKTRON N 6 0 0
1	2216481	23 4,000 FB STK CAN-DIGITAL OUTPUT-TERMINALS 2 KL 2022	9355	35	BECKHOFF GMB N 6 0 0
1	2290098	24 1,000 FB STK DIGITAL OUTPUT MOD. MBMDO 8/0,5	93075	35	MURRELEKTRON N 6 0 0
1	2363218	25 1,000 EF STK CONNECTING CABLE CAN-BUS TWISP.10POL.	92		N 0 0 0
.2	2140491	1 1,000 FB STK SUB-D 9POL.BU/INSULATION TERMINAL	1358	54	HARTING ELEK N 6 0 0
.2	2363671	2 1,000 FB STK SUB-D 9POL.BU/PLUG INSERT 09 66 118 7500	1357	54	HARTING ELEK N 6 0 0
.2	2530865	3 1,000,000 FB MM FLAT CABLE PAAR.VERS.10POL. 09 18 010 7006 (1700-10)	700112	56	HARTING ELEK N 0 0 0
.2	1764431	4 4,000 FB STK S-SUB SCREW CLIP 43438-3	0267	54	SCHURICHT GM N 6 0 0
1	2363259	26 1,000 FB STK GUIDE TERMINAL BLOCK F.MBM-C 55977 (BES-18,0-KB-2)	93015	35	MURRELEKTRON N 6 0 0
1	2363366	27 10,000,000 FB MM CAN BUS LINE 104207 3X2X0,22 PVC	501623	56	LUETZE FRIED N 0 0 0
1	2364281	28 1,000 FB STK CAN-BUS COUPLER BK 5120	9350	35	BECKHOFF GMB N 6 0 0
1	2364299	29 2,000 FB STK CAN-DIGITAL INPUT-TERMINALS 4 KL1104	9352	35	BECKHOFF GMB N 6 0 0
1	2364323	30 2,000 FB STK CAN-ANALOG OUTPUT-TERMINALS 2 KL4032	9358	35	BECKHOFF GMB N 6 0 0
1	2364349	31 1,000 FB STK CAN-BUSENDTERMINALS KL 9010	9362	35	BECKHOFF GMB N 6 0 0
1	2530477	32 1,000 FB STK CAN SUBD PLUG 103668	9331	35	R.E.D.HANDEL N 0 0 0
1	26484	33 1,000 FB STK PILOT LAMP ZB2-BV04 RED	3236	28	SCHNEIDER EL N 0 0 0
1	26518	34 1,000 FB STK PILOT LAMP BOTTOM ZB2-BV6 W/O TRANSF	3221	28	SCHNEIDER EL N 0 0 0
1	26542	35 1,000 FB STK LUMINOUS KEY BOTTOM ZB2-BW0651 O.TOS	3255	28	SCHNEIDER EL N 0 0 0
1	31971	36 1,000 FB STK MAIN SWITCH KG32 C11740E	4010	5	DEUTSCHE SOL N 0 0 0
1	436030	37 2,000 FB STK AUTOMATIC CUT-OUT:1P.4A 5SX2-104-7	6137	7	SIEMENS N 0 0 0

STAGE	ID.NO.	ITM QTY	HA ME PE DISIGNATION	DRAWING	GROUP	VT-S ETK
	2216507		EF STK WIR.DIAGR. + ACC. 52.588.00	013326	90	N N
1	443598	38	2,000 FB STK ANODIZED PLATES W/BORINGS 22,5		74 KUENKLER EGO	N 0 0 0
1	635904	39	1,000 FB STK AUTOMATIC CUT-OUT:1POL.6A SSX2 106-7	6138	7 SIEMENS	N 0 0 0
1	740324	4010.000.000 FB MM OELFLEX-110 CY 7X1,5		101307	56 MAINLAND GMB	N 0 0 0
1	743203	41	6,000 FB STK SPARK QUENCHING ELEMENT LA9-D9984	0475	14 LUETZE FRIED	N 0 0 0
1	809731	42	1,000 FB STK AUTOMATIC CUT-OUT:1P.10A SSX2 110-7	6140	7 SIEMENS	N 0 0 0
1	91405	43	2,000 FB STK AUXILIARY SWITCH BLOCK LA1 DN22	368 LA1-D22A65	10 SCHNEIDER EL	N 0 0 0
1	934737	44	4,000 FB STK AUXILIARY SWITCH BLOCK LA1 DN31	369 LA1-D31A65	10 SCHNEIDER EL	N 0 0 0
1	99572	45	2,000 FB STK CONTACT LP1 D12 10BD	322 LP1-D123-B	10 SCHNEIDER EL	N 0 0 0

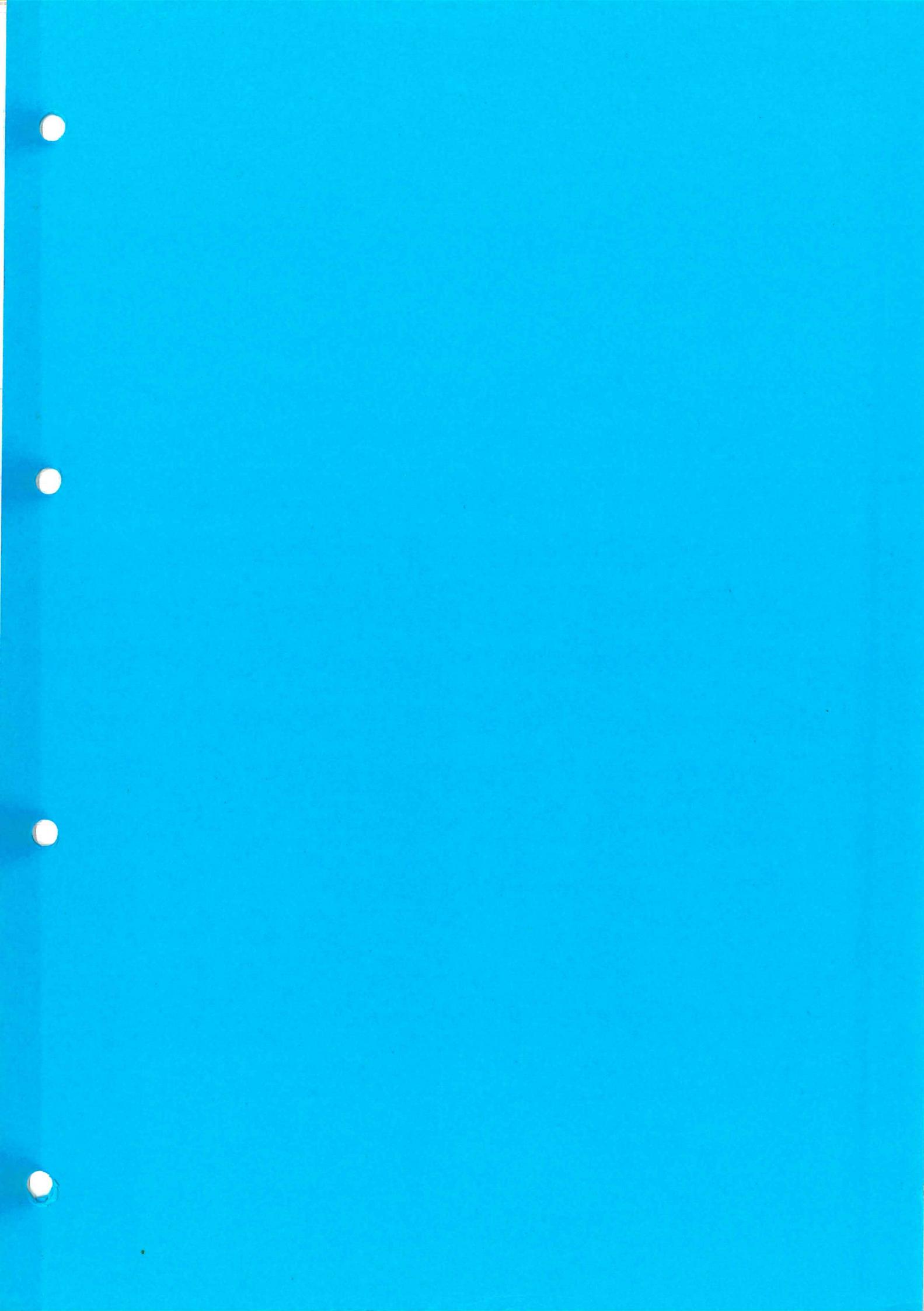
VT = Verschleissteil J/N

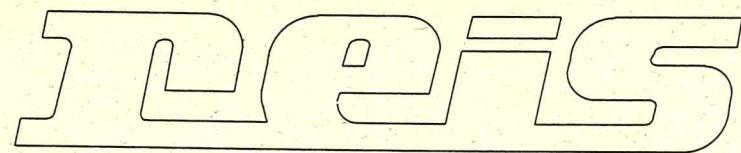
E = Ersatzteil 1=Ersatzteil 6=Ersatzteilpaket

T = Teilestammstatus 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

S = Stuecklistenstat 3=Konst-Stand 2=Freig-Konst 1=Frei-Einpl 0=eingeplant

----- End of List -----





CUSTOMER : FA. PLASMA MODULES OY

TYPE : SRV6

COM. NR. : 52.588.00

MACH. ID. : 2577635

CIRCUIT DIAGRAM NR. : 013326

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3.2	COMPLEMENT RACK	13C	CAN-BUS-MODULES POWER SOURCE
3.3	SIDE WALL	13D	COUPLING RELAYS
4.1	POWER SUPPLY	15.1	CONTACT SENSOR
4.2	VOLTAGE SUPPLY	20.1	PLASMA MODULES OY ION POWER SOURCE
4.3	VOLTAGE SUPPLY 24VDC	35	PARTS LIST
4.4	VOLTAGE DISTRIBUTION 230VAC	36	PARTS LIST
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6	SAFETY-CONTROLLER LAYOUT	47.1	CABLE LAYOUT CAN-BUS
6.1	SAFETY-CONTROLLER	48	TABLE OF THE TERMINAL STRIPS
6.2	SAFETY-CONTROLLER	48.1	TABLE OF THE TERMINAL STRIPS
6.3	SAFETY-CONTROLLER	49	SAFTY SWITCH UNIT .C16
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9.1	PORTABLE TEACH PENDANT		
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9.3	DNC INTERFACE		
10	OPERATING PANEL INTERNAL/EXTERNAL		
12.1	CAN-BUS KEY PLAN MODULES IN CONTROL CABINET		
12.2	CAN-BUS KEY PLAN POWER SOURCE		
12.3	CAN-BUS KEY PLAN POWER SOURCE		
13.1	CAN-MODULE CONTR. CABINET BYTE ER 1		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

POWER SUPPLY SYSTEM	:	3/PE/N
GENERAL CONTROL VOLTAGES	:	400/230V 50Hz +/- 5%/10%
	:	25 A SLOW
CURRENT APPROX.	:	16 A
POWER CONSUMPTION	:	3 kva
MAIN SWITCH	:	32 A

CUSTOMER PRESCRIPTIONS:

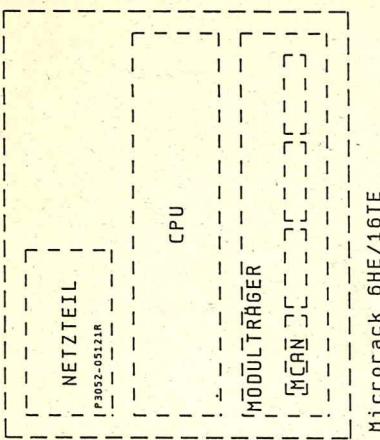
<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	1. -----
		2. -----
		3. -----
		4. -----
		5. -----

CONTROL CABINET:

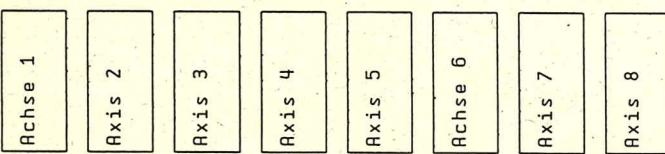
CONTROL CABINET 1200
IDENTIFICATION PLATE
SAFETY REMARK english
PHG-FOLIE PLASMA CUTTING

1 2 3 4 5 6 8 9 10 11 12 13 14 15 16 17 18 19

Loading: Robot-star V

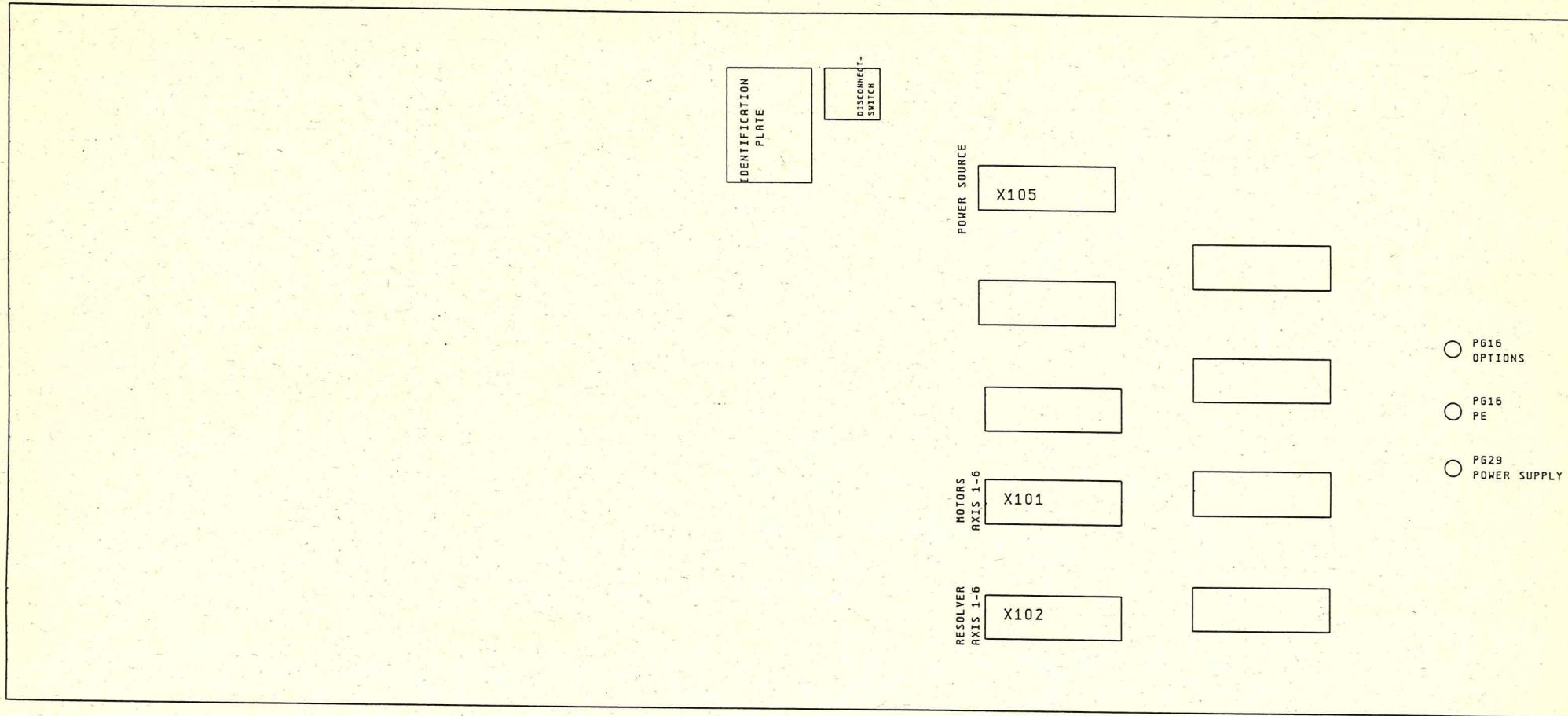


Regulator arrangement RV6/RV6L/RV16
Regulator arrangement RL6/RL16/RL26/RL80

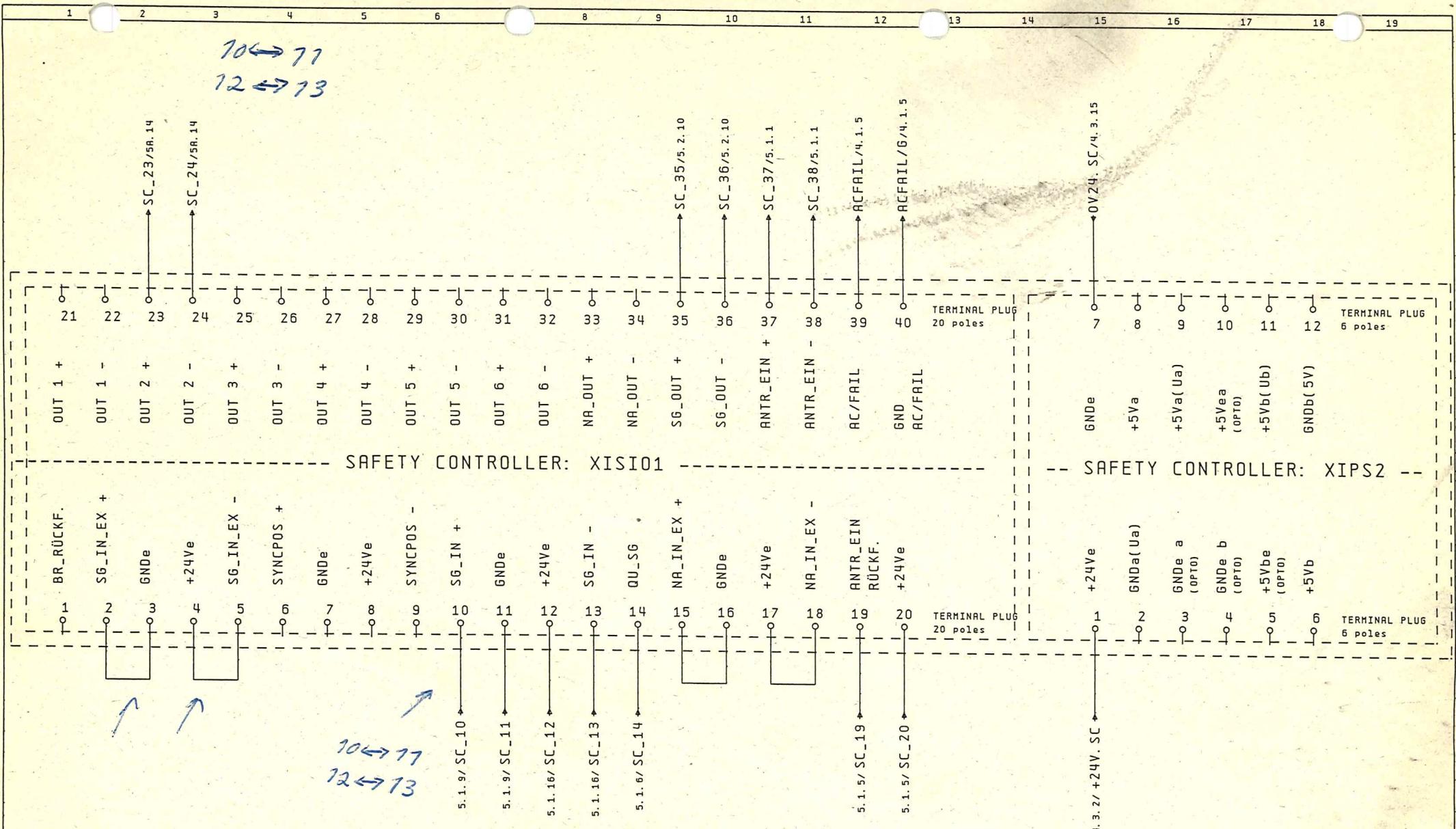


		Datum : 19. Aug. 1999	Anlage: SRV6 ROBOT-STAR V	Titel: COMPLEMENT RACK	Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	
		A. Dat.: 19. Aug. 1999				Firma:	
		Bearb.: B. JACOBI				PLASMA MODULS OY	
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:	REIS ROBOTICS	Bl. 3.2 50 Bl.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19



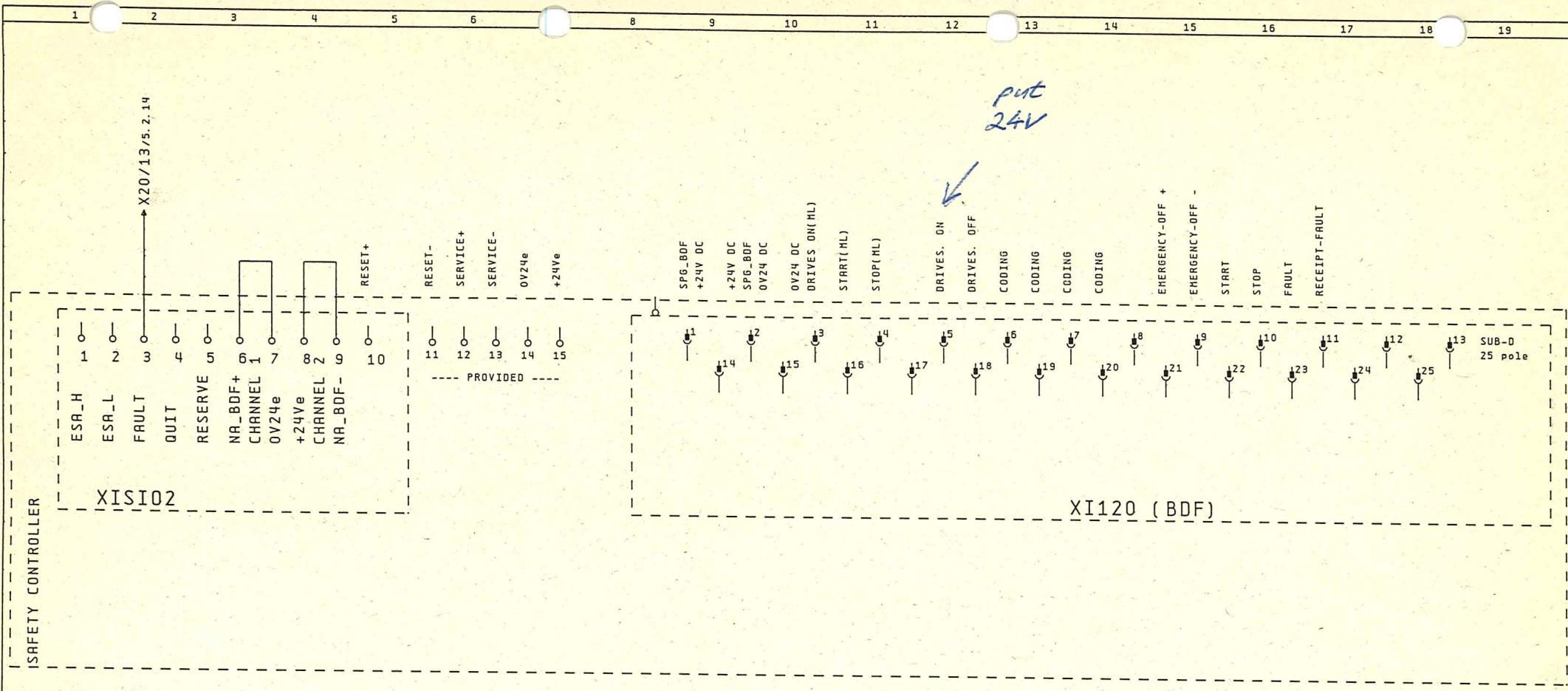
B E L O W



KBE 7

5

		Datum : 19. Aug. 1999	Anlage: SRV6 ROBOT-STAR V	Titel: SAFETY-CONTROLLER		REIS	Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	Firma:	PLASMA MODULS OY	Bl. 6.1
		A.Dat.: 19. Aug. 1999									
		Bearb.: B. JACOBI									
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:	REIS ROBOTICS					50 Bl.



		Datum : 19. Aug. 1999	Hinlage: SRV6 ROBOT-STAR V	Titel: SAFETY-CONTROLLER	 REIS ROBOTICS	Zeichn.-Nr.: 013326	Com.-Nr.: 52. 588. 00	
		A.Dat.: 19. Aug. 1999						
		Bearb.: B. JACOBI						
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:	Firma: PLASMA MODULS OY	Bl. 6. 2 50 Bl.	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

MAIN SWITCH

SUPPLY LINE + GROUNDING
CUSTOMER'S RESPONSIBILITY

L1 L2 L3 N PE

POWER
SUPPLY
LOOK AT PAGE 3.1

FOUNDATION EARTH CONNECTION 16mm

FOUNDATION EARTH CONNECTION 16mm

FOUNDATION EARTH CONNECTION 16mm

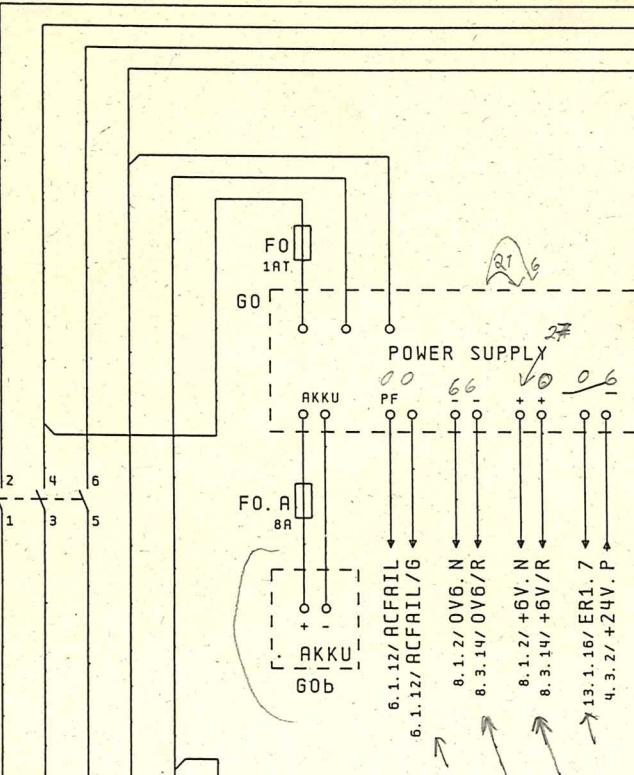
EQUIPOTENTIAL
BONDING
CONTROL CABINET

SIDE WALL,
DOOR, ROOF
(NOT MOUNTED)
CABINET FRAME
MOUNTING PLATE
(PS MP)

SIDE WALL:
DOOR; ROOF:
(MOUNTED)

MACHINE

PERIPHERY/
OPERATING PANEL



→ L1/4.2.1
→ L2/4.2.1
→ L3/4.2.1
→ N/4.2.1

REIS
REIS ROBOTICS

Zeichn.-Nr. :
013326

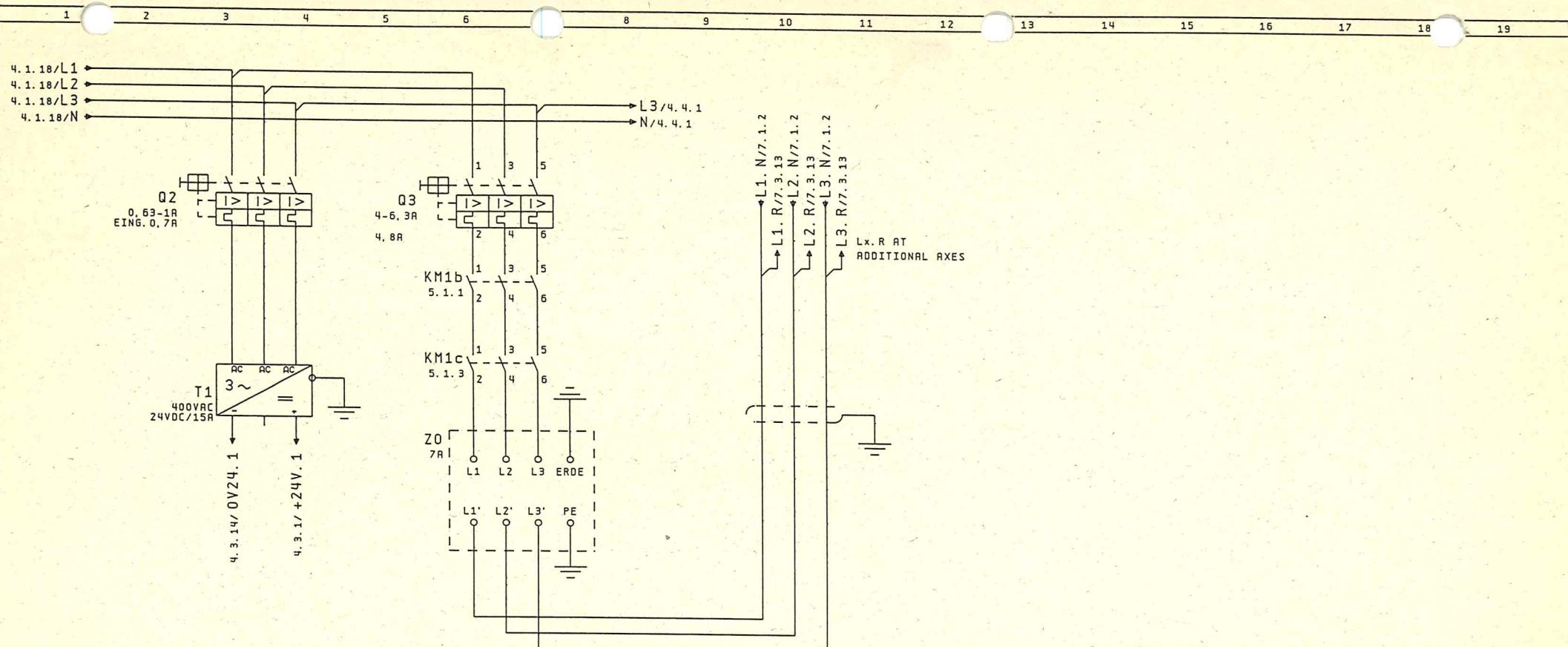
Com.-Nr. :
52.588.00

Firma:

PLASMA MODULS OY

B1. 4.1
50 B1.

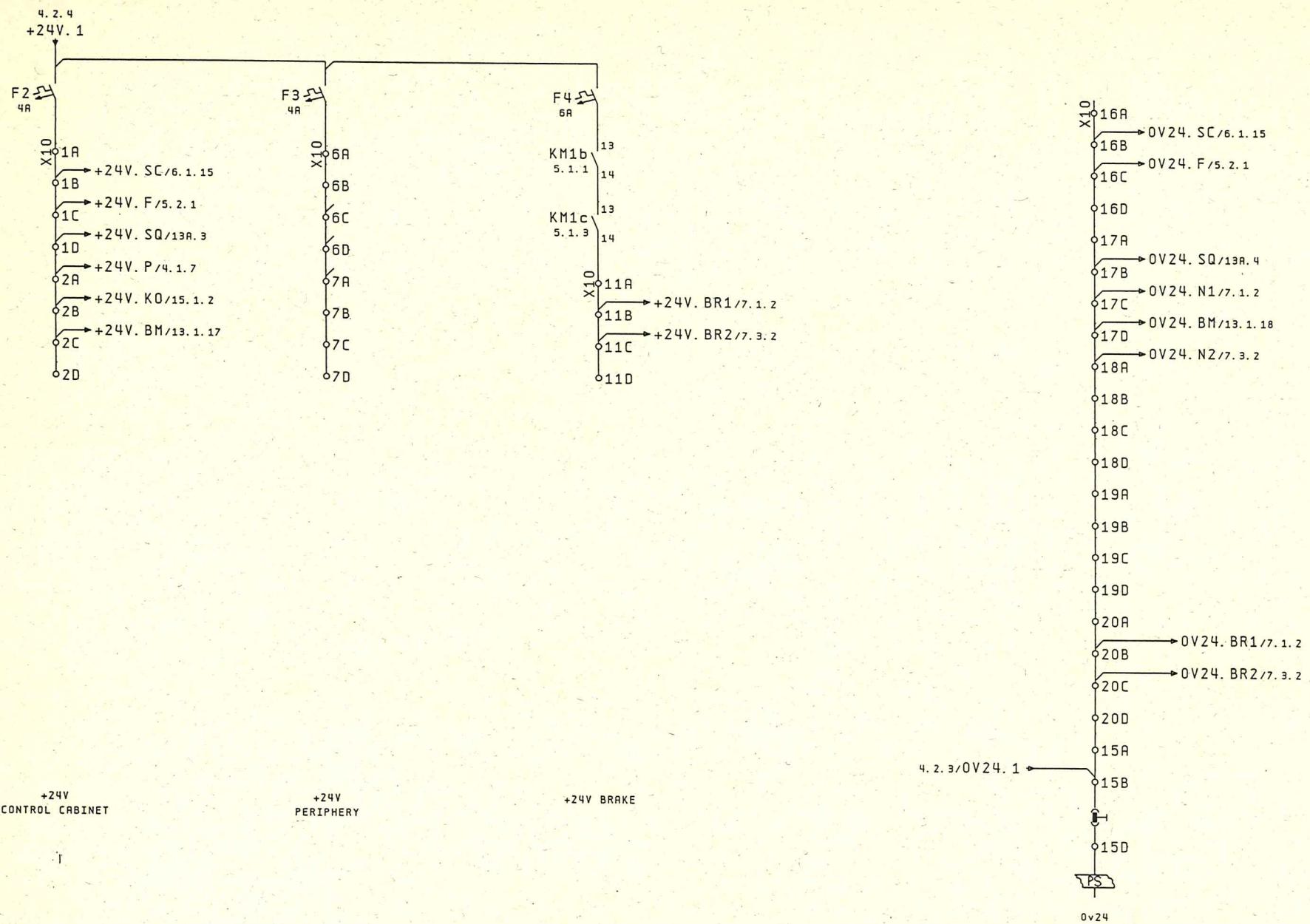
		Datum : 19. Aug. 1999	Anlage:		titel:			
		A. Dat.: 18. Aug. 1999		SRV6 ROBOT-STAR V				
		Bearb.: B. JACOBI			POWER SUPPLY			
Anderung	Name	Gepr. :	Urspr. :	Ers. f.:	Ers. d.:			



VOLTAGE SUPPLY
+24VDC

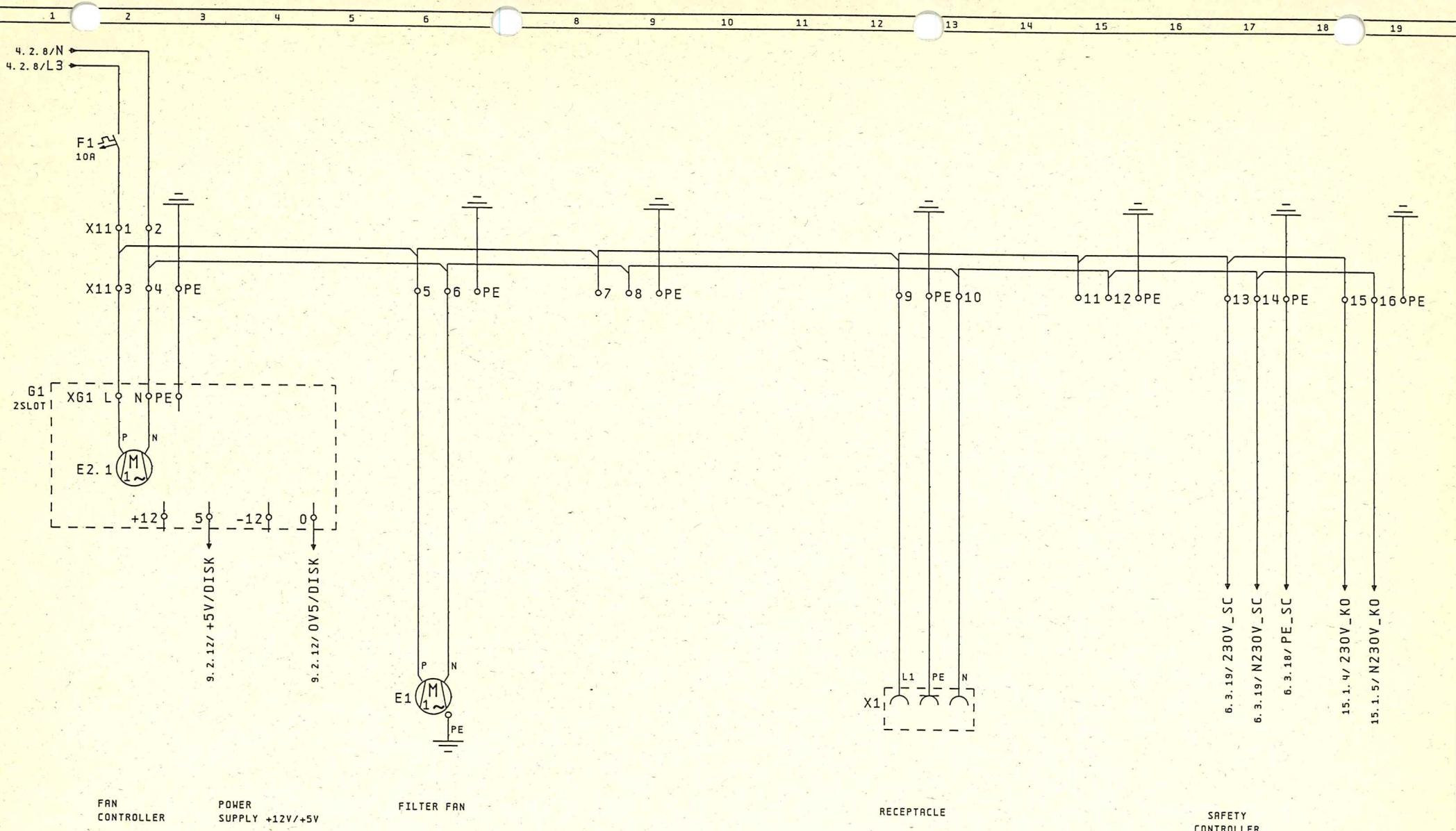
VOLTAGE SUPPLY
REGULATOR

		Datum : 19. Aug. 1999	Hinlage: SRV6 ROBOT-STAR V	Titel: VOLTAGE SUPPLY	 REIS ROBOTICS	Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	Firma: PLASMA MODULS OY	Bl. 4.2 50 b1.
		A. Dat.: 18. Aug. 1999							
		Bearb.: B. JACOBI							
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:				



X10-TERMINAL STRIP CONTROL CABINET
VOLTAGE SUPPLY 24VDC

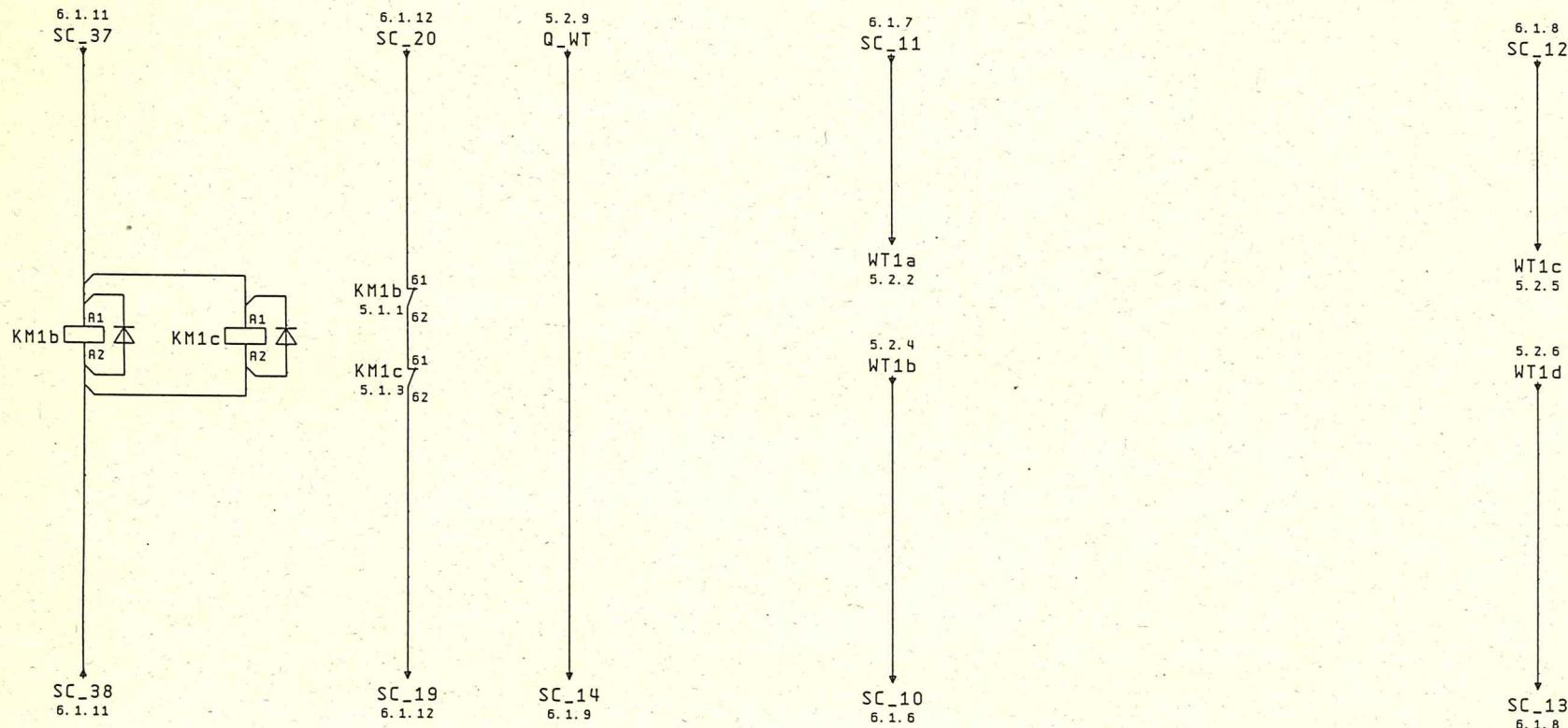
	Datum : 19. Aug. 1999	Anlage: SRV6 ROBOT-STAR V	Titel: VOTAGE SUPPLY 24VDC	 REIS ROBOTICS	Zeichn.-Nr.:	Lam.-Nr.:	
	A.Dat.: 18. Aug. 1999				013326	52.588.00	
	Bearb.: B. JACOBI				Firma:		
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:	PLASMA MODULS OY	Bl. 4.3



X11=TERMINAL STRIP CONTROL CABINET
VOLTAGE SUPPLY 230V

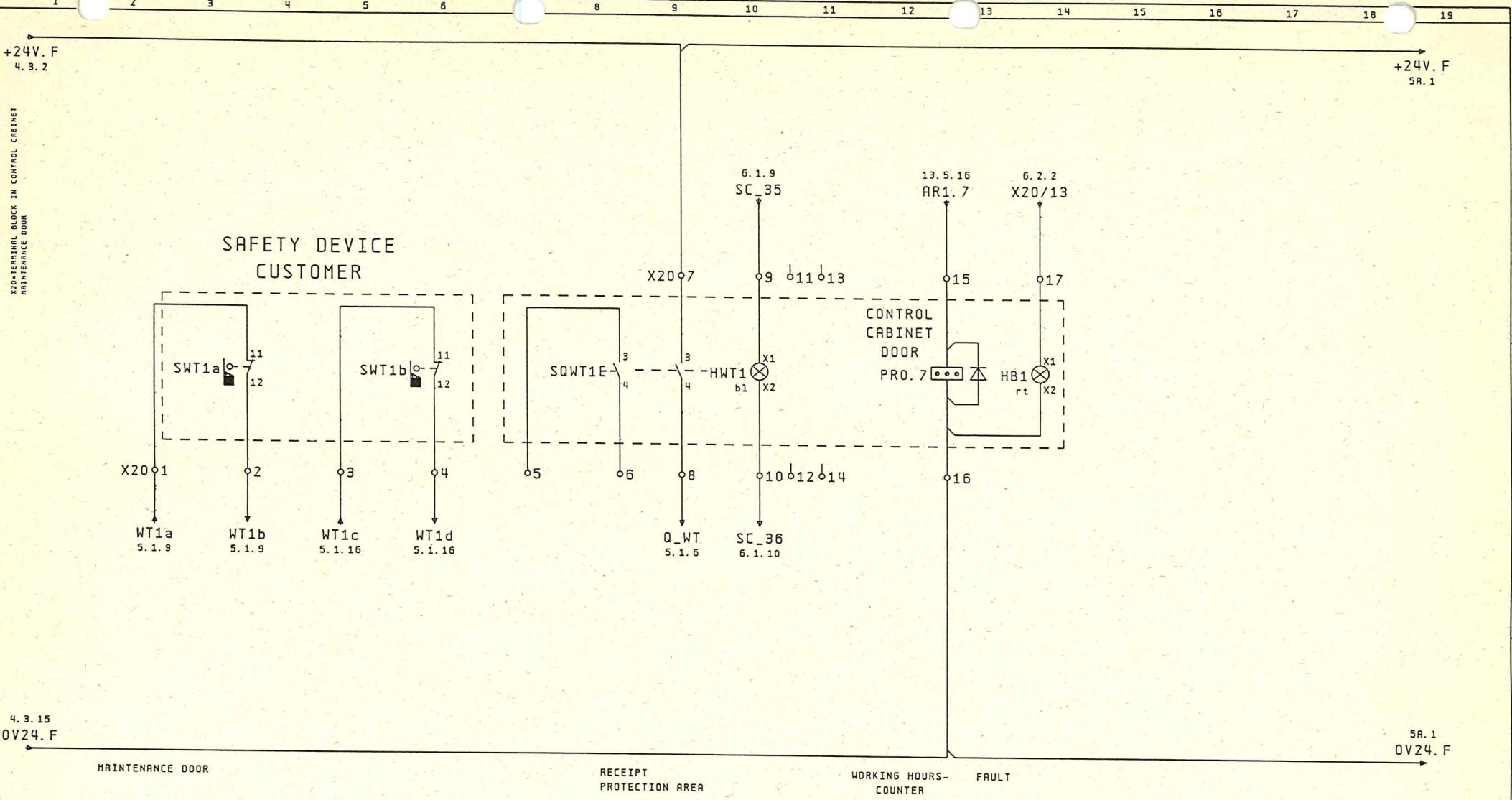
		Datum : 19.Aug.1999	Hinlage: SRV6 ROBOT-STAR V	Titel: VOLTAGE DISTRIBUTION 230VAC	 REIS ROBOTICS	Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	
		A.Dat.: 18.Aug.1999						
		Bearb.: B. JACOBI						
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:		Firma: PLASMA MODULS OY	Bl. 4.4 50 Bl.

1 2 3 4 5 6 8 9 10 11 12 13 14 15 16 17 18 19



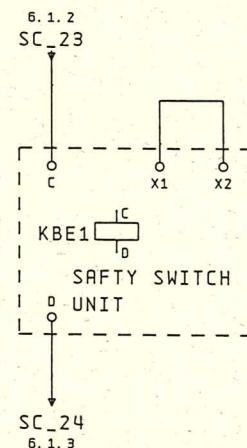
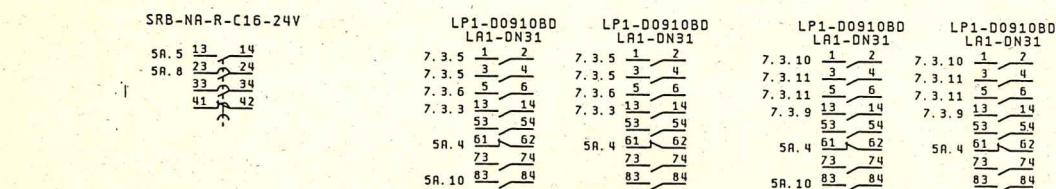
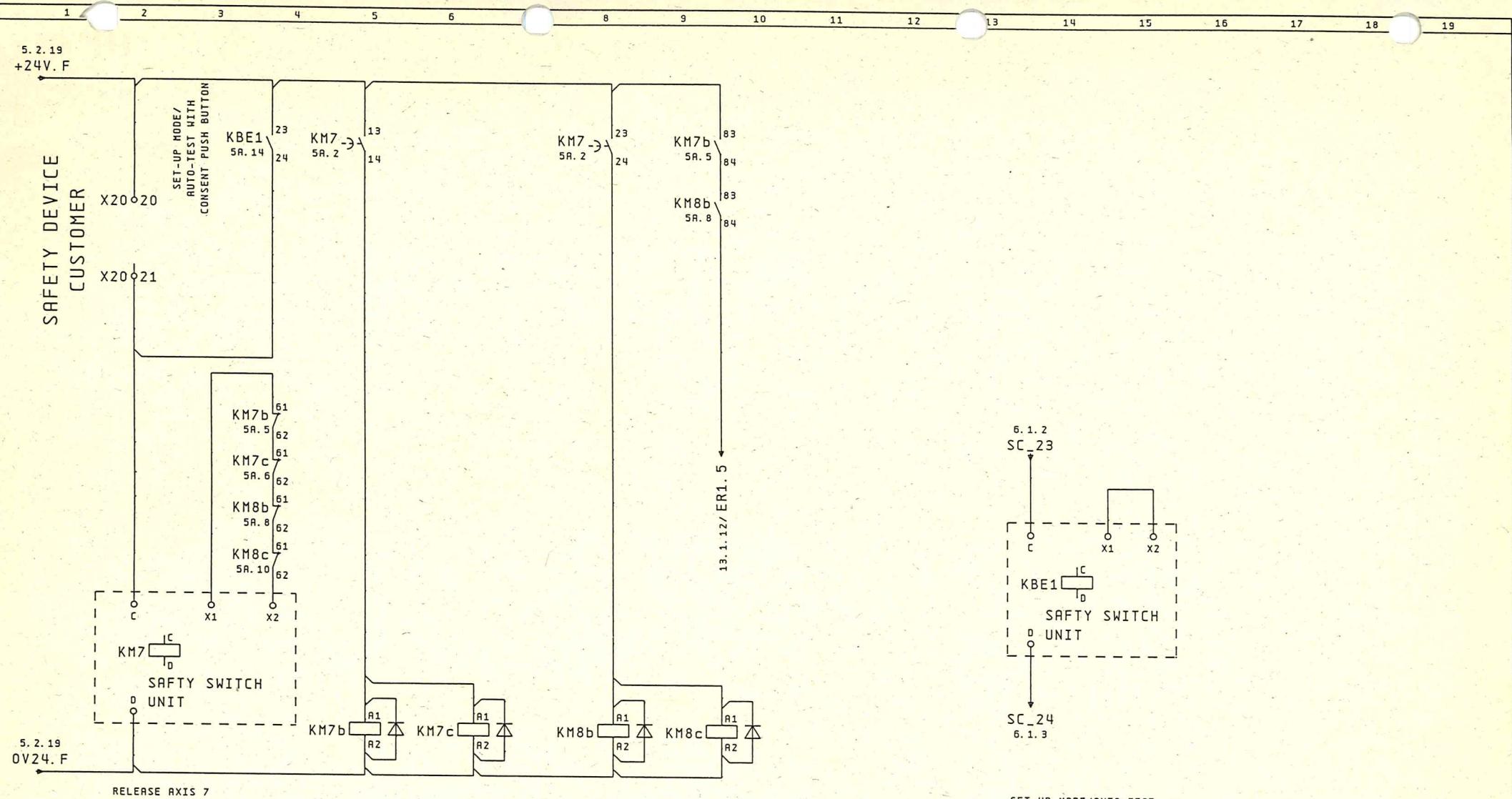
DRIVE	DRIVES ON REQUEST	RECEIPT SAFETY DOOR	SAFETY DEVICE CLOSED CHANNEL 1	SAFETY DEVICE CLOSED CHANNEL 2
LP1-0121080 LR1-DN22	LP1-0121080 LR1-DN22			
4.2.6 1 2	4.2.6 1 2			
4.2.7 3 4	4.2.7 3 4			
4.2.7 5 6	4.2.7 5 6			
4.3.8 13 14	4.3.8 13 14			
53 54	53 54			
5.1.5 61 62	5.1.5 61 62			
13R.12 71 72	13R.12 71 72			
83 84	83 84			

	Datum : 19. Aug. 1999	Hinlage: SRV6 ROBOT-STAR V	Titel: DRIVES ON/SAFETY GRID/ EMERGENCY-OFF		Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	
	A. Dat.: 18. Aug. 1999						
	Bearb.: B. JACOBI			Ers. d.:			
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	REIS ROBOTICS		Firma: PLASMA MODULS OY
							B1. 5.1 50 B1.



	Datum : 19. Aug. 1999	Hinlage:		Titel:		Zeichn.-Nr.:	Com.-Nr.:	
	A. Dat.: 18. Aug. 1999		SRV6 ROBOT-STAR V			013326	52. 588. 00	
	Bearb.: B. JACOBI			MAINTENANCE DOOR			Firma:	
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:		PLASMA MODULS OY	B1. 5. 2
								50 B1.

REIS
REIS ROBOTICS



SET-UP MODE/AUTO-TEST
WITH CONSENT PUSH BUTTON

SRB-NR-R-C15-24V

$$\begin{array}{r}
 & \underline{13} & 14 \\
 5A. 4 & \underline{23} & \underline{24} \\
 & \underline{33} & \underline{34} \\
 & 41 & 42
 \end{array}$$

		Datum : 19.Aug.1999	Hinlage: SRV6 ROBOT-STAR V	Titel: UNITS ADDITIONAL AXES	 REIS ROBOTICS	Zeichn.-Nr.: 013326	Lam.-Nr.: 52.588.00	
		A. Dat.: 19.Aug.1999						
		Bearb.: B. JACOBI						
Aenderung	Name	Gepr. :	Urspr.:	Ers.f.:	Ers.d.:		Firma: PLASMA MODULS OY	B1. 5A 50 B1.

1 2 3 4 5 6 8 9 10 11 12 13 14 15 16 17 18 19

SAFETY
CONTROLLER
BACK SIDE

RESET
FLIP SWITCH

SERVICE-MODE
FLIP SWITCH

PROGR.-MODE
FLIP SWITCH

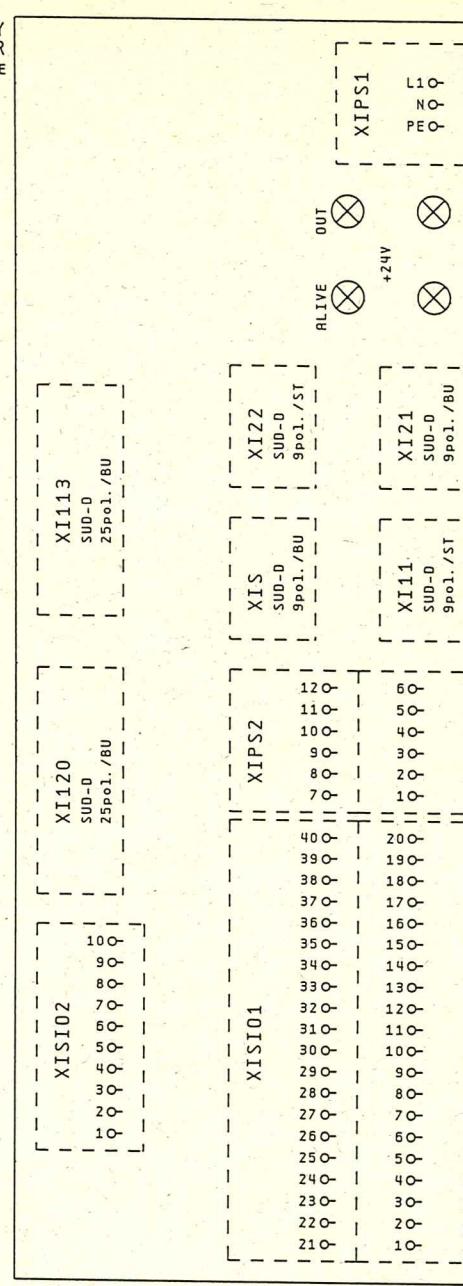
SAFETY
CONTROLLER
FRONT SIDE

ADD-ON SIDE

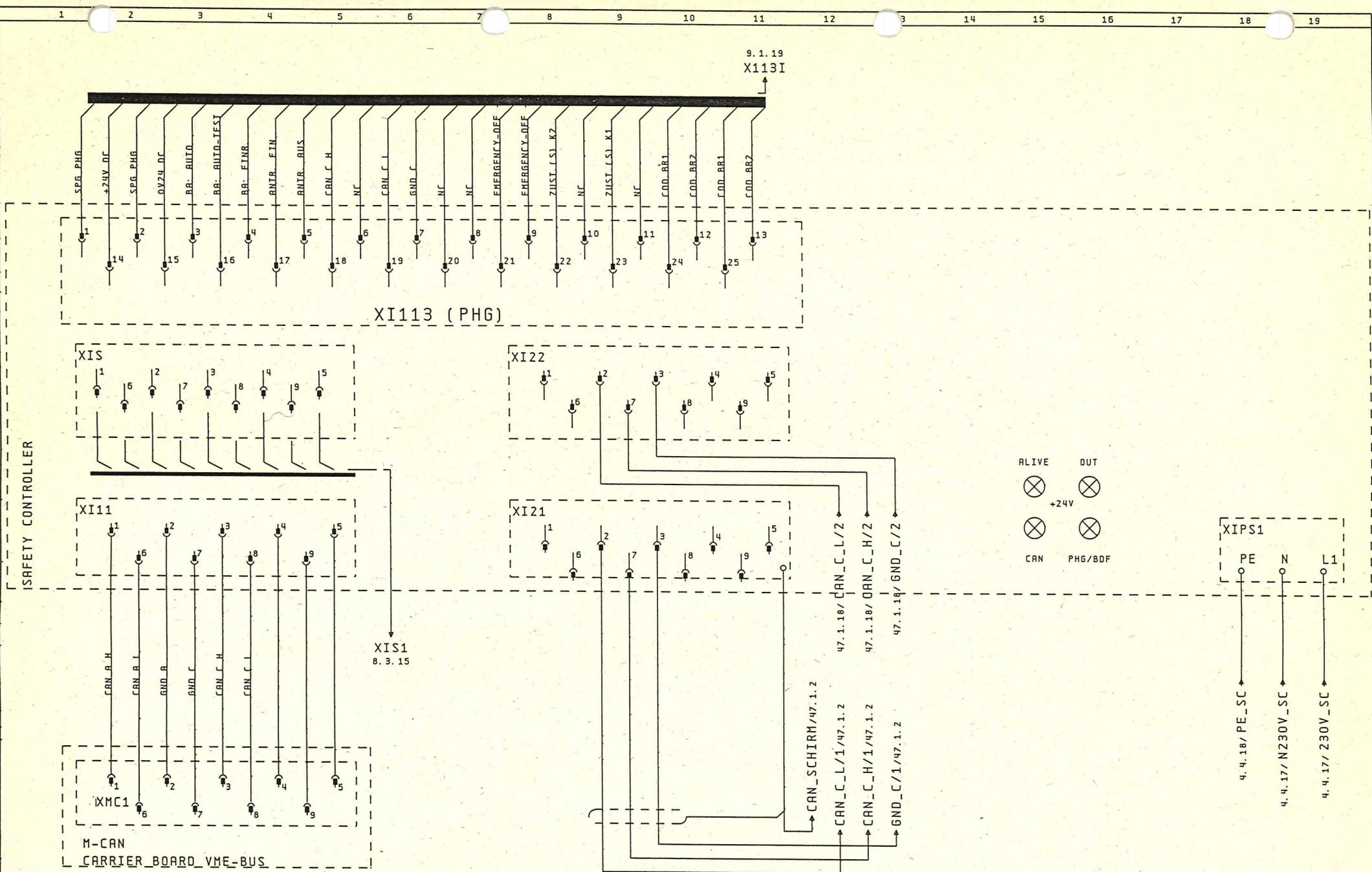
VIEW OF
BACK !

ADD-ON SIDE

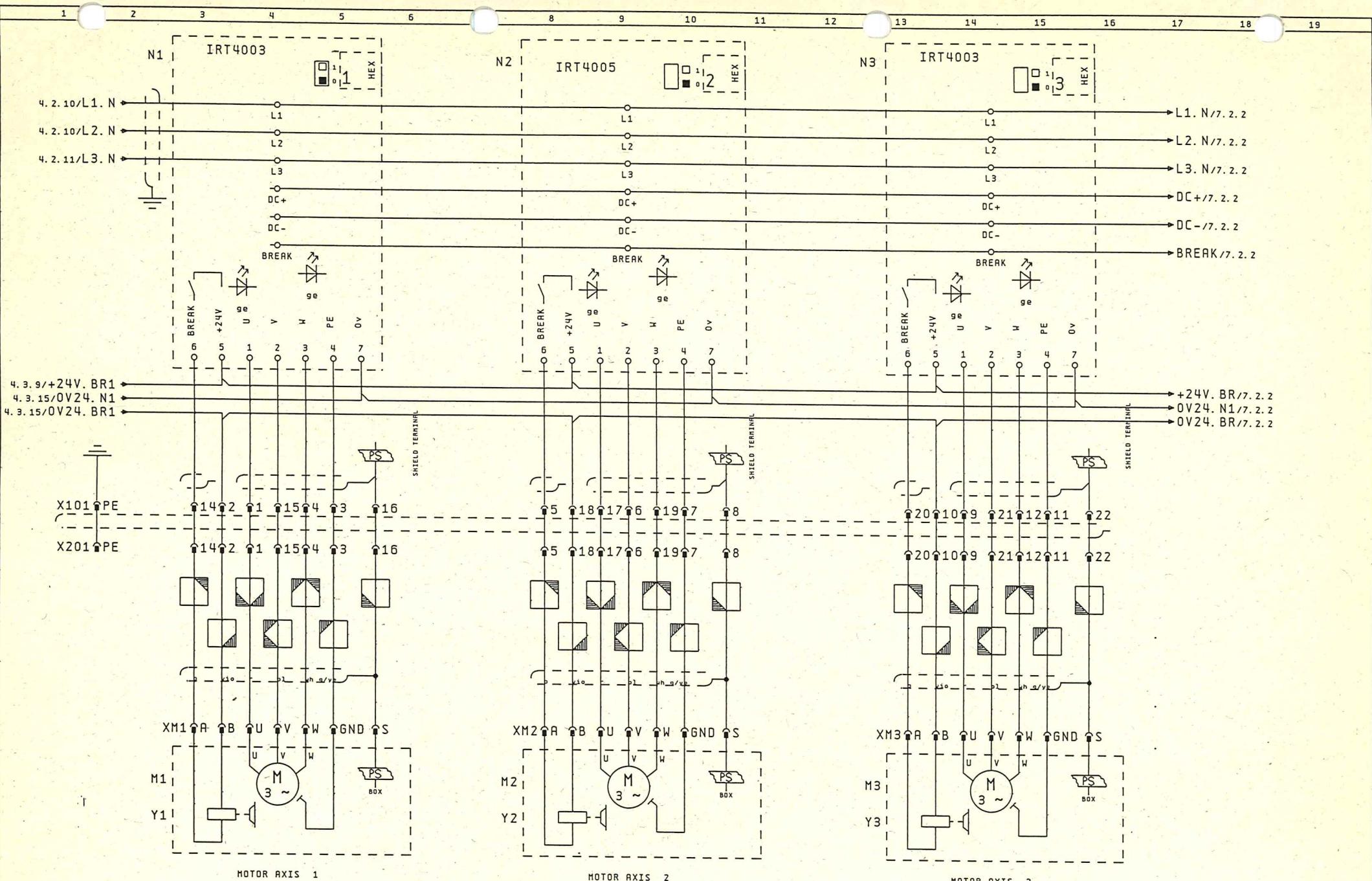
VIEW OF
IN FRONT !



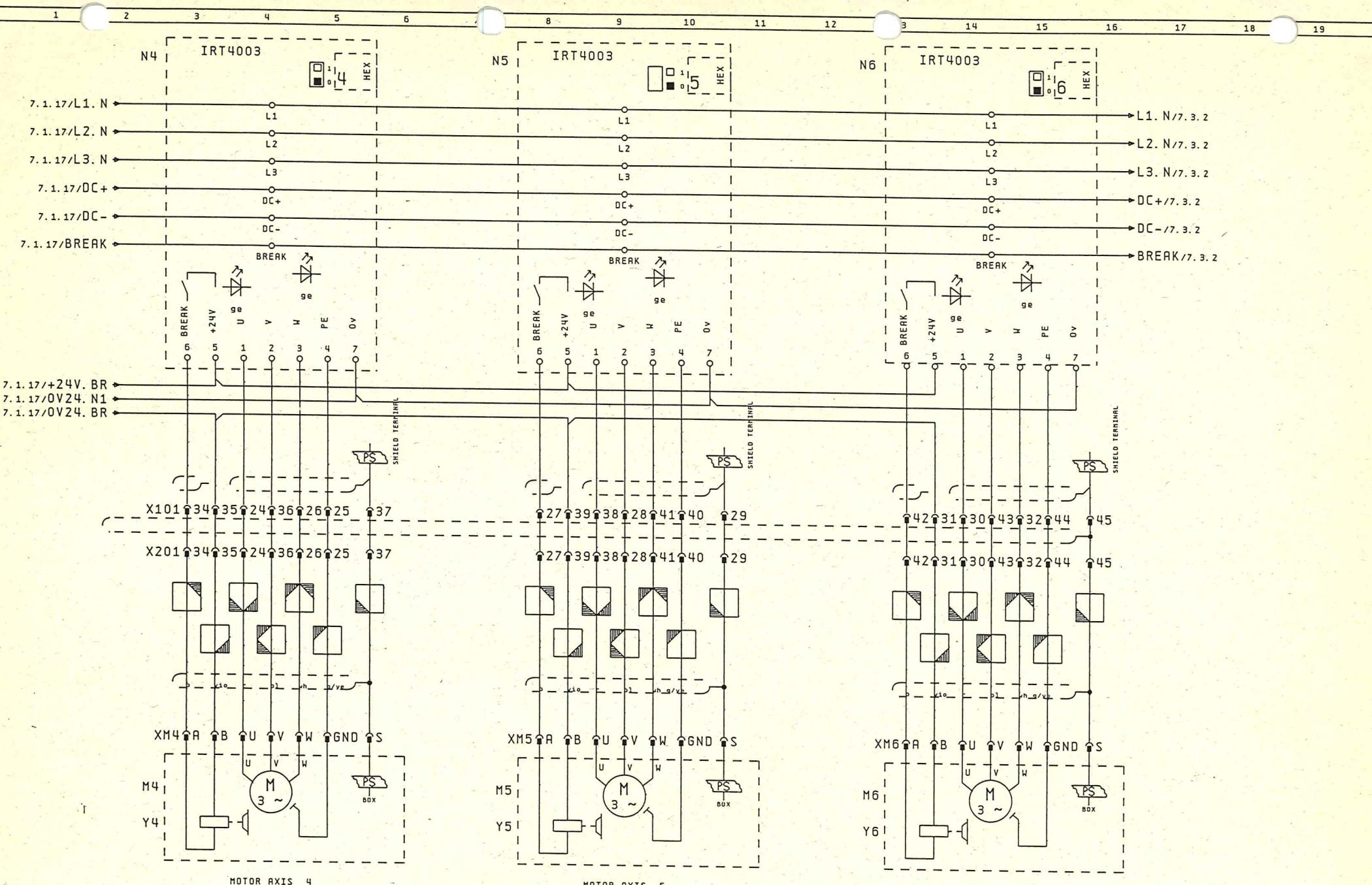
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	A.Dat.: 19. Aug. 1999					
	Bearb.: B. JACOBI					
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:	Firma: PLASMA MODULS OY
						B1. 6
						50 81.



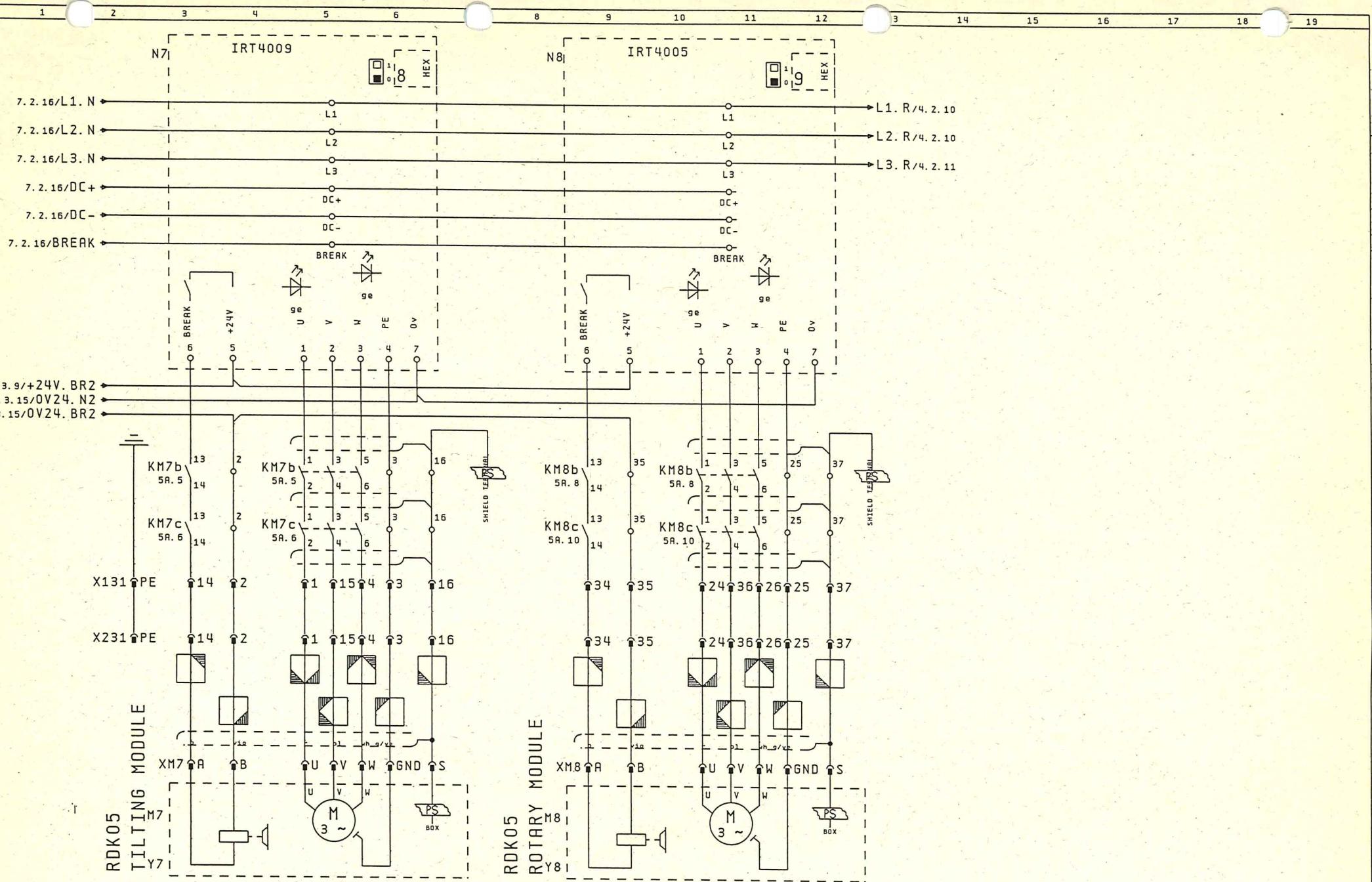
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		A. Dat.: 19. Aug. 1999							
		Bearb.: B. JACOBI							
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:	REIS ROBOTICS			50 Bl.



	Datum : 19. Aug. 1999	Anlage:		Titel:		Zeichn.-Nr.:		Com.-Nr.:	
	A. Dat.: 18. Aug. 1999		SRV6 ROBOT-STAR V			013326		52. 588. 00	
	Bearb.: B. JACOBI								
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:			Firma:	
						REIS ROBOTICS		PLASMA MODULS OY	B1. 7.1 50 B1.



		Datum : 19. Aug. 1999	Anlage: SRV6 ROBOT-STAR V	Titel: MOTOR AXIS 4-6	REIS REIS ROBOTICS	Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00
		A. Dat.: 19. Aug. 1999					
		Bearb.: B. JACOBI				Firma:	
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:	PLASMA MODULS OY	B1. 7.2 50 B1.



XM8=PLUG AT THE MOTOR R8

Datum : 19. Aug. 1999 Anlage:
R. Dat.: 19. Aug. 1999 SRV6 ROBOT-STAR V
Bearb.: B. JACOBI

XM9=PLUG AT THE MOTOR R9

Titel:
MOTOR RDK05

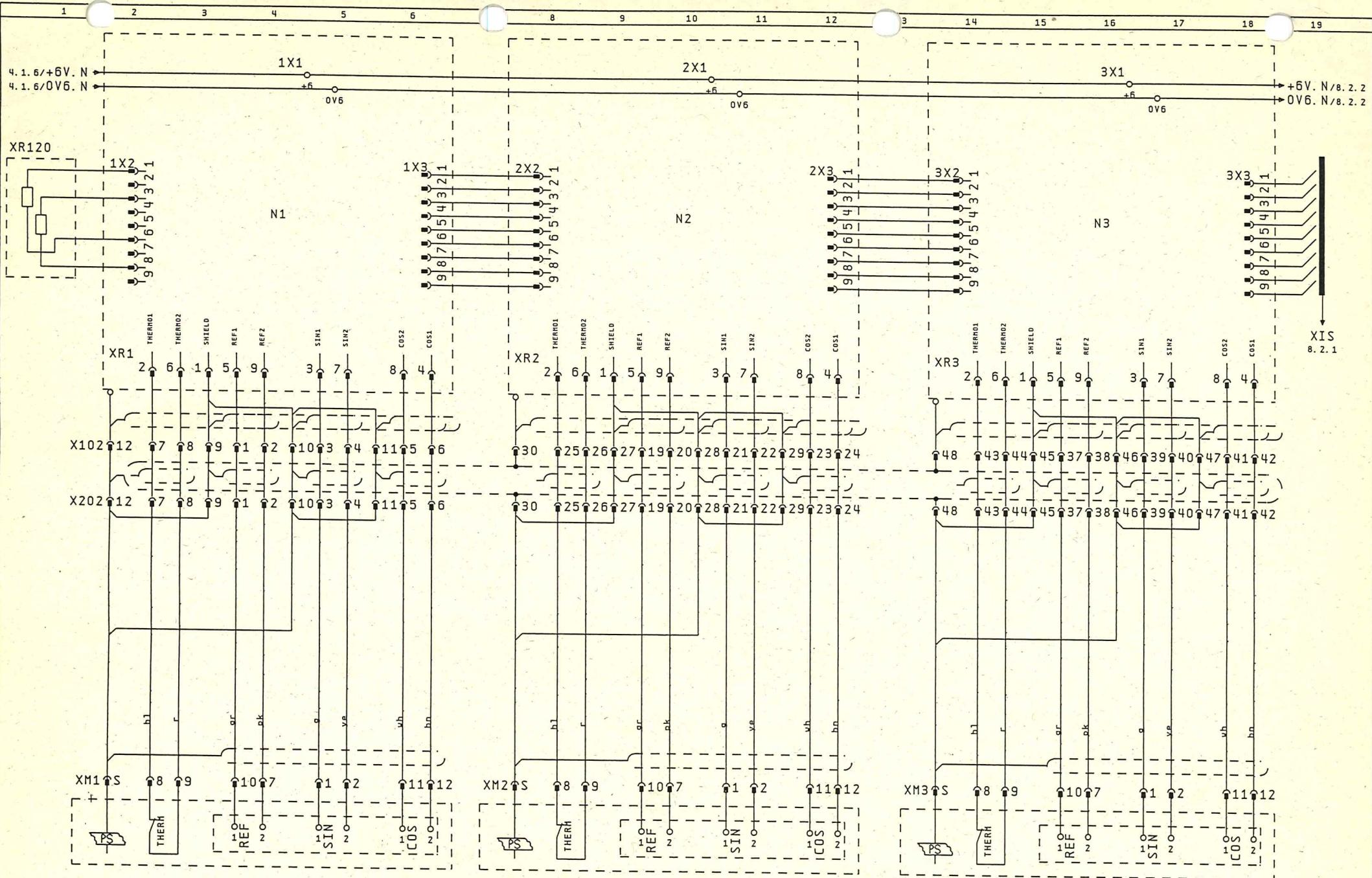
Zeichn.-Nr.:
013326

Com.-Nr.:
52.588.00

Aenderung Name Gepr. : Urspr.: Ers. f.: Ers. d.:

REIS ROBOTICS

Firma:
PLASMA MODULS OY Bl. 7.3
50 Bl.



RESOLVER AXIS 1

Datum : 19. Aug. 1999

Anlage:

SRV6 ROBOT-STAR V

R. Dat.: 18. Aug. 1999

Bearb.:

B. JACOBI

RESOLVER AXIS 2

Titel:

RESOLVER AXIS 1-3

RESOLVER AXIS 3

Zeichn.-Nr.:

013326

Com.-Nr.:

52.588.00

Firma:

PLASMA MODULS OY

Bl.

8.1

50 Bl.

Aenderung

Name

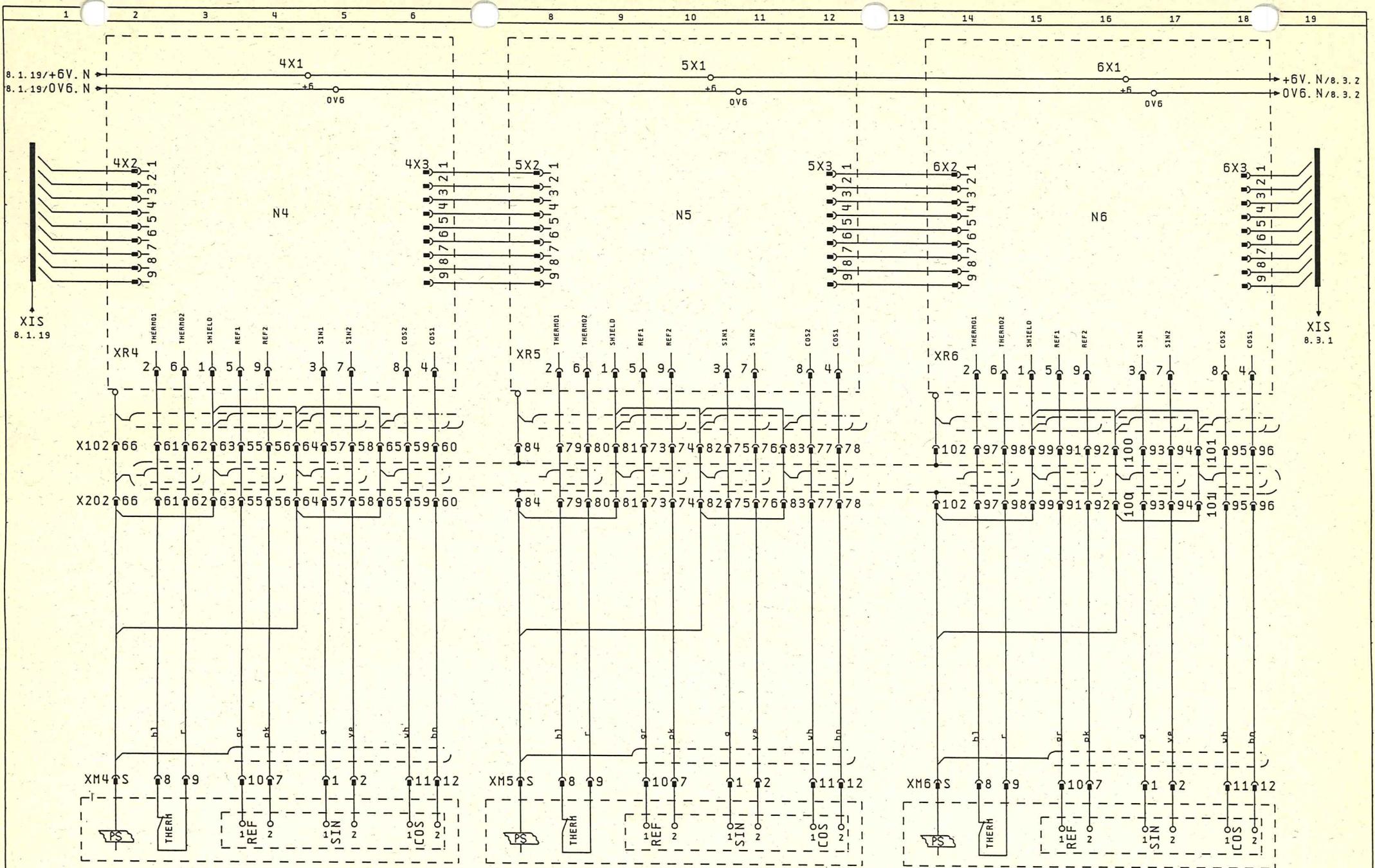
Gepr. :

Urspr.:

Ers. f.:

Ers. d.:

REIS
 REIS ROBOTICS



RESOLVER AXIS 4

Datum : 19. Aug. 1999
Anlage:
A. Dat.: 18. Aug. 1999
Bearb.: B. JACOBI

Anderung Name Gepr. : Urspr.: Ers. f.: Ers. d.:

RESOLVER AXIS 5

Titel:
RESOLVER AXIS 4-6

Ers. d.:

REIS
REIS ROBOTICS

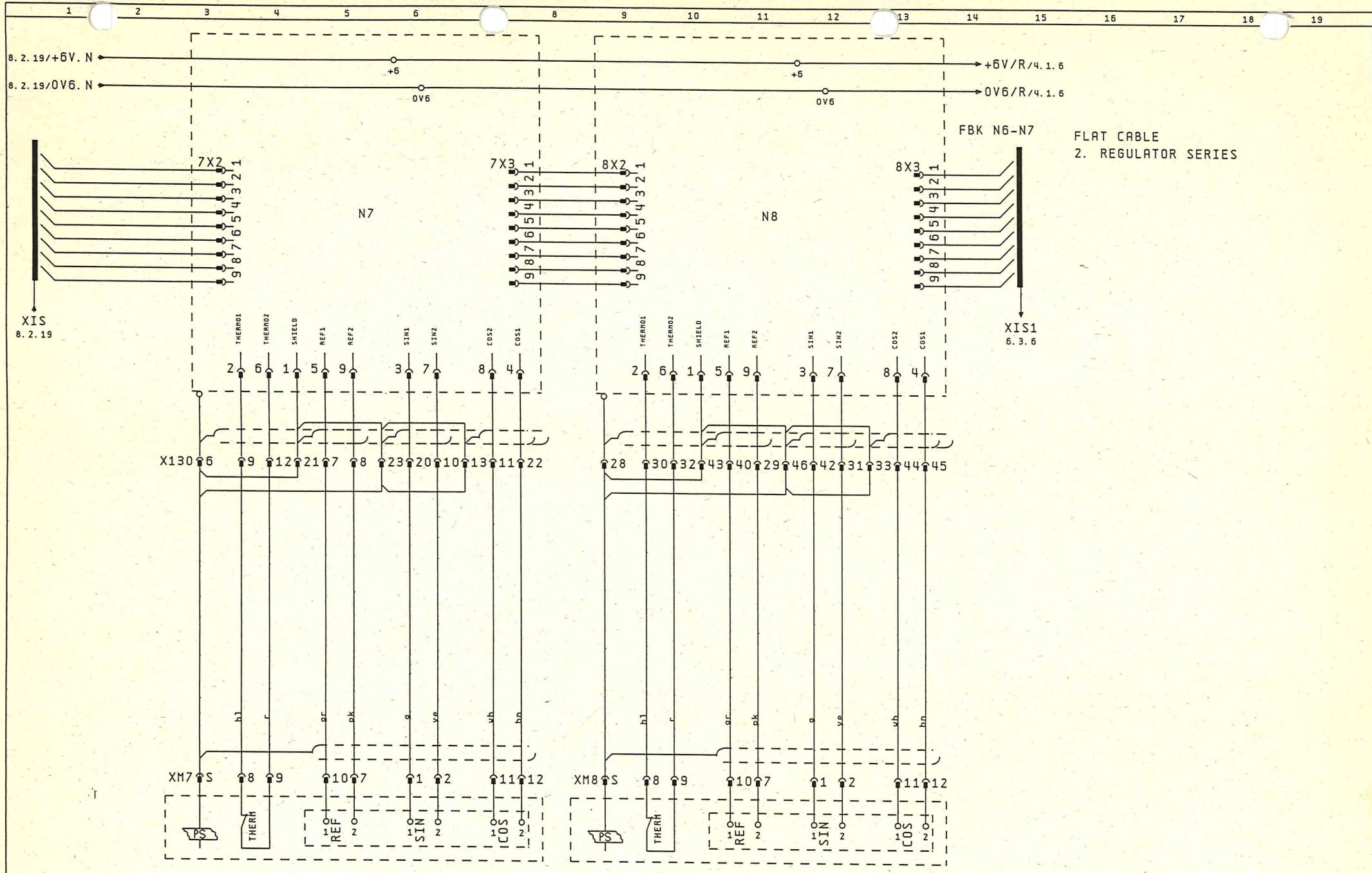
RESOLVER AXIS 6

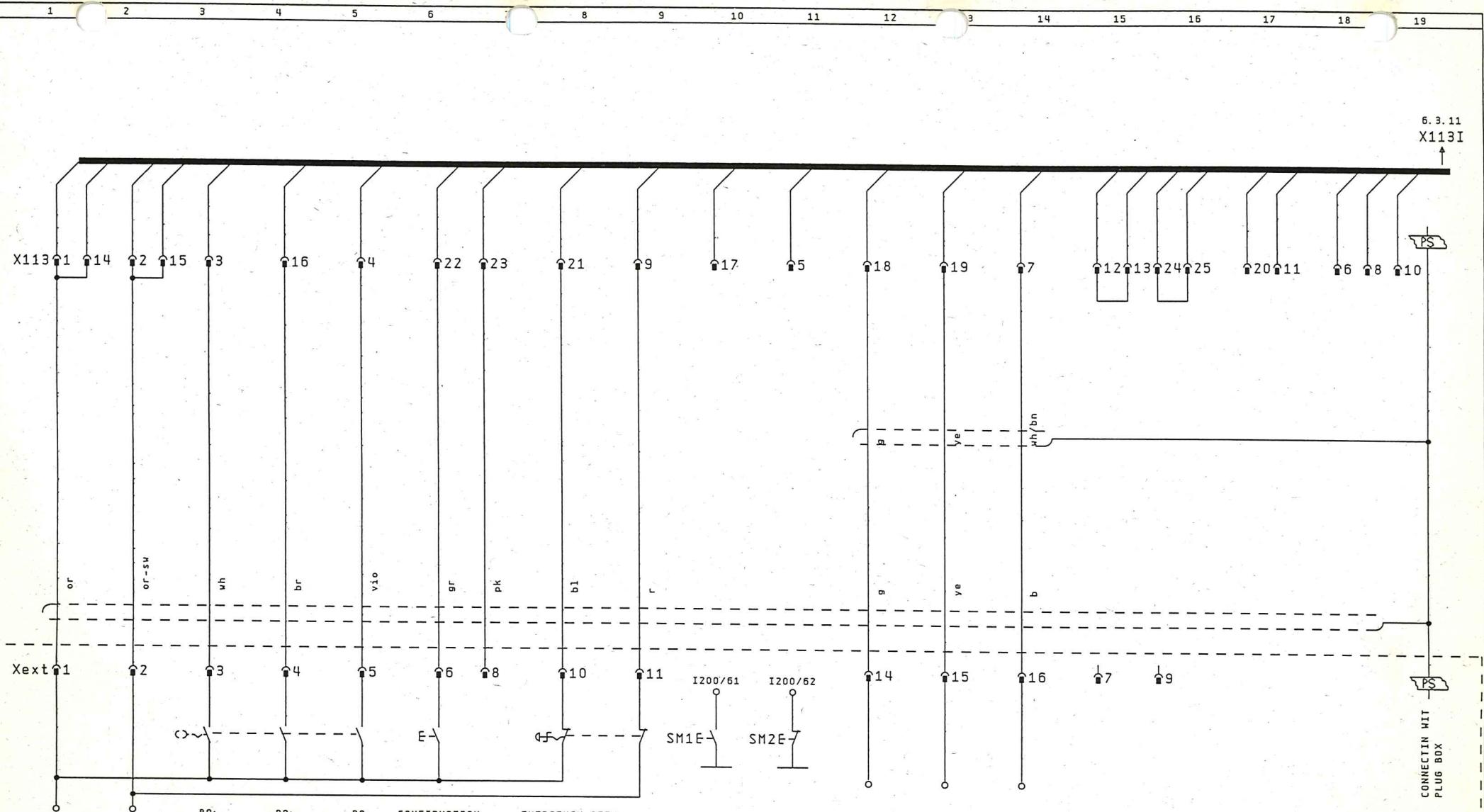
Zeichn.-Nr.: 013326 Com.-Nr.: 52.588.00

Firma: PLASMA MODULS OY

B1. 8.2

50 B1.



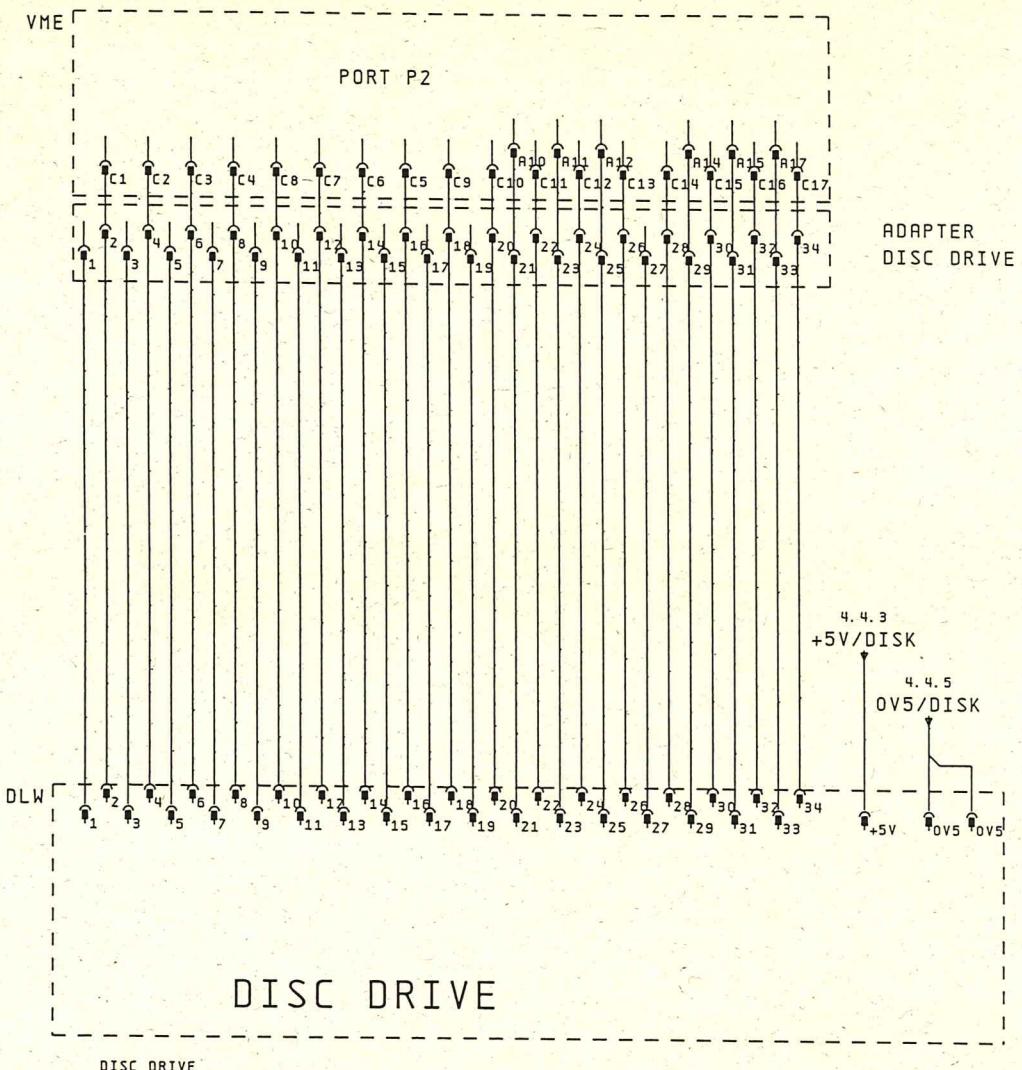


PORTABLE TEACH PENDANT

X113-PHG PLUG AT THE CONTROL CABINET

Xext-PLUG IN PORTABLE TEACH PENDANT

		Datum : 19.Aug.1999	Hinlage: SRV6 ROBOT-STAR V	Titel: PORTABLE TEACH PENDANT	 REIS ROBOTICS	Zeichn.-Nr.:	Com.-Nr.:
		A.Dat.: 19.Aug.1999				013326	52.588.00
		Bearb.: B. JACOBI				Firma:	PLASMA MODULS OY
Aenderung	Name	Gepr. :	Urspr. :	Ers. f. :	Ers. d. :		Bl. 9.1 50 Bl.



		Datum : 19. Aug. 1999	Hinlage: SRV6 ROBOT-STAR V	Titel:	INTERFACE DISC DRIVE		Zeichn.-Nr.:	Com.-Nr.:	
		A. Dat.: 18. Aug. 1999					013326	52. 588. 00	
		Bearb.: B. JRCOBI						Firma:	
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:	REIS ROBOTICS		PLASMA MODULS OY	Bl. 9.2

1

2

9

1

1

6

1

1

1

1

11

1

1

1

11

1

1

1

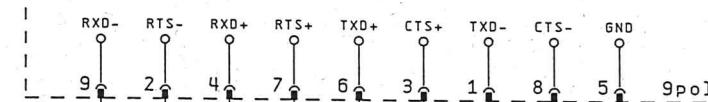
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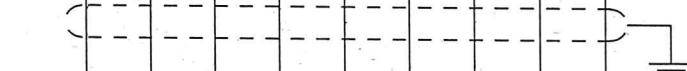
CPU2

RS422-OPERATION



CONTROL CABINET

X115 9 2 4 7 6 3 1 8 5



14 17 2 5 3 4 15 16 7

=====**POI PIN SOCKET**=====

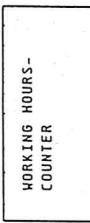
P

X115-PLUG AT THE CONTROL CABINET
DNC

		Datum : 19. Aug. 1999	Anlage: SRV6 ROBOT-STAR V	Titel: DNC INTERFACE	REIS REIS ROBOTICS	Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	
		A.Dat.: 19. Aug. 1999						
		Bearb.: B. JACOBI						
Ränderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:		Firma: PLASMA MODULS OY	Bl. 9.3 50 Bl.

S.T.E.L.

REIS ROBOTICS



FRONT PLATE LETTERING ENGLISH

		Datum : 19.Aug.1999	Hinlage: SRV6 ROBOT-STAR V	Titel: OPERATING PANEL INTERNAL/EXTERNAL	 REIS ROBOTICS	Zeichn.-Nr.:	Com.-Nr.:
		A.Dat.: 18.Aug.1999				013326	52.588.00
		Bearb.: B.JACOBI				Firma:	PLASMA MODULS OY
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:		Bl. 10 50 Bl.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

BM3/OCAN

ER1.0O 13.1.2
ER1.1O 13.1.4
ER1.2O 13.1.6
ER1.3O 13.1.8
ER1.4O 13.1.10
ER1.5O 13.1.12 RXES 7+8 SWITCHED
ER1.6O 13.1.14
ER1.7O 13.1.16 BUFFERING

BM3/1CAN

RR1.0O 13.5.2
RR1.1O 13.5.4
RR1.2O 13.5.6
RR1.3O 13.5.8
RR1.4O 13.5.10
RR1.5O 13.5.12
RR1.6O 13.5.14
RR1.7O 13.5.16 BETRIEBSSTUNDENZÄHLER

	Datum : 19. Aug. 1999	Anlage:		Titel:		Zeichn.-Nr.:		Com.-Nr.:	
	R. Dat.: 19. Aug. 1999		SRV6 ROBOT-STAR V			013326		52.588.00	
	Bearb.: B. JACOBI			CAN-BUS KEY PLAN MODULES IN CONTROL CABINET			Firma:		
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:	REIS	PLASMA MODULS OY	B1.	12.1
						ROBOTICS		50 B1.	

BM5/1CAN

ERO. 00— 13B. 6 POWER SOURCE COLLISION PROTECTION
ERO. 10— 13B. 6 POWER SOURCE ARC ON*
ERO. 20— 13B. 7
ERO. 30— 13B. 8

BM5/2CAN

ERO. 40	13B. 8	CONTACT SENSOR FOUND
ERO. 50	13B. 9	
ERO. 60	13B. 10	
ERO. 70	13B. 10	

BM5/6CAN

ARO. 00 13C. 2 POWER SOURCE WELDING ON
ARO. 10 ⁵ 13C. 3 POWER SOURCE GAS ON

BM5/7CAN

ARO. 20— 13C. 5 POWER SOURCE PULSATION
ARO. 30— 13C. 5 POWER SOURCE FAST PULSATION

BM5/8CAN

ARO. 40— 13C. 8 CONTACT SENSOR ON
ARO. 50— 13C. 8 ION WELDING ON

BM5/9CAN

ARO. 60— 13C. 10 ION GAS ON
ARO. 70— 13C. 11 ION POWDER ON

		Datum : 19.Aug.1999	Hinlage: SRV6 ROBOT-STAR V	Titel: CAN-BUS KEY PLAN POWER SOURCE	 REIS ROBOTICS	Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	
		A.Dat.: 19.Aug.1999						
		Bearb.: B.JACOBI						
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:		Firma: PLASMA MODULS OY	Bl. 12.2 50 Bl.

BM5 / 3CAN

ARR10— 13B.11 REFERENCE VALUE POWER

AAR20— 13B.12 REFERENCE VALUE PULS CORRECTION

BM5/4CAN

AAR30— 13B. 13 REFERENCE VALUE RESERVE

AAR40— 13B. 13 REFERENCE VALUE RESERVE

BM5/5CAM

AAR50— 13B. 15 REFERENCE VALUE RESERVE

AAR60— 13B. 15 REFERENCE VALUE RESERV

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

BM3/OCAN

MBM-C

INPUT

BYTE: 1/1

12.1.2
ER1.0

12.1.2
ER1.1

12.1.2
ER1.2

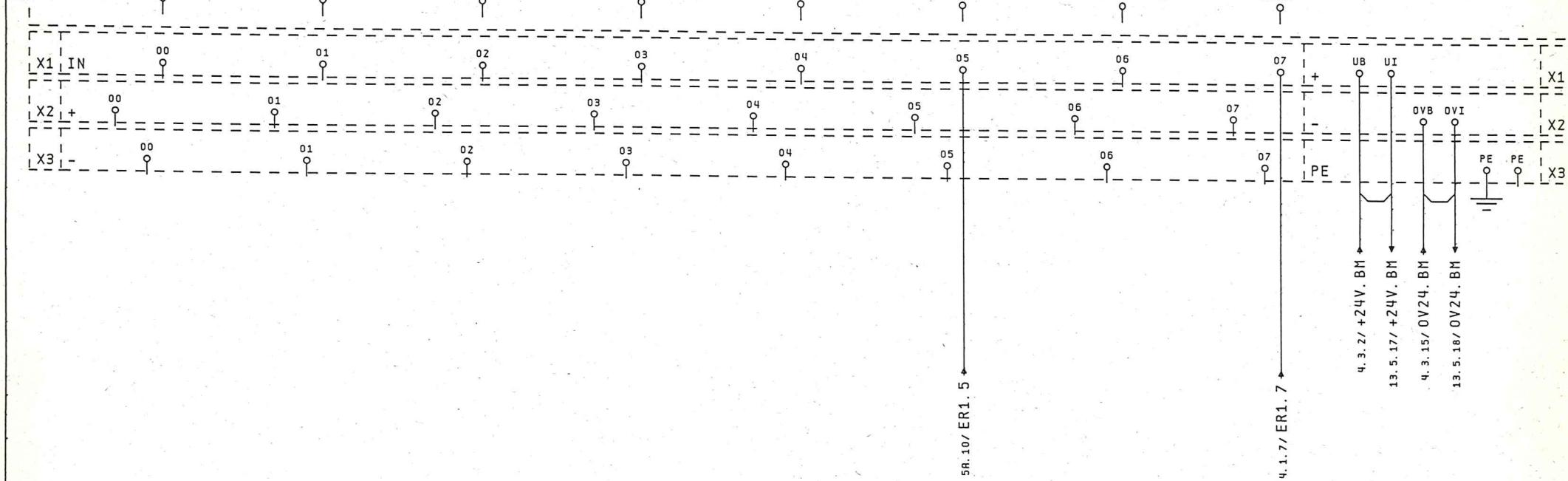
12.1.2
ER1.3

12.1.2
ER1.4

12.1.2
ER1.5

12.1.2
ER1.6

12.1.2
ER1.7

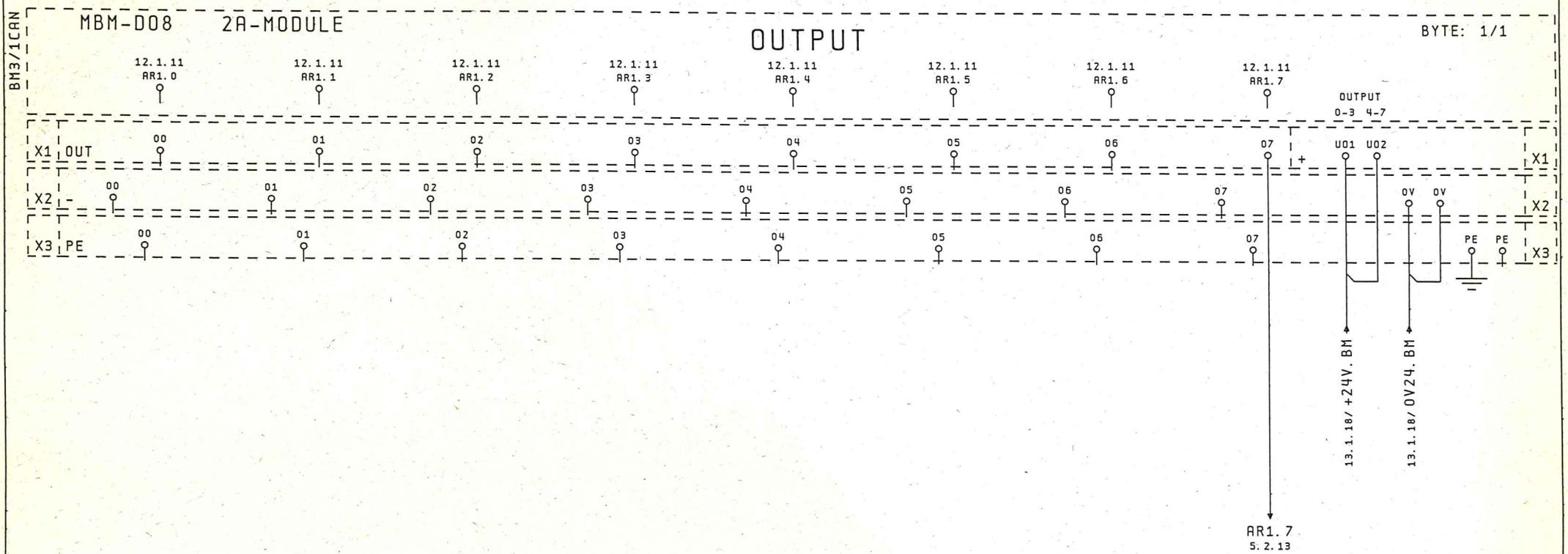


AXES 7+8
SWITCHED

BUFFERING

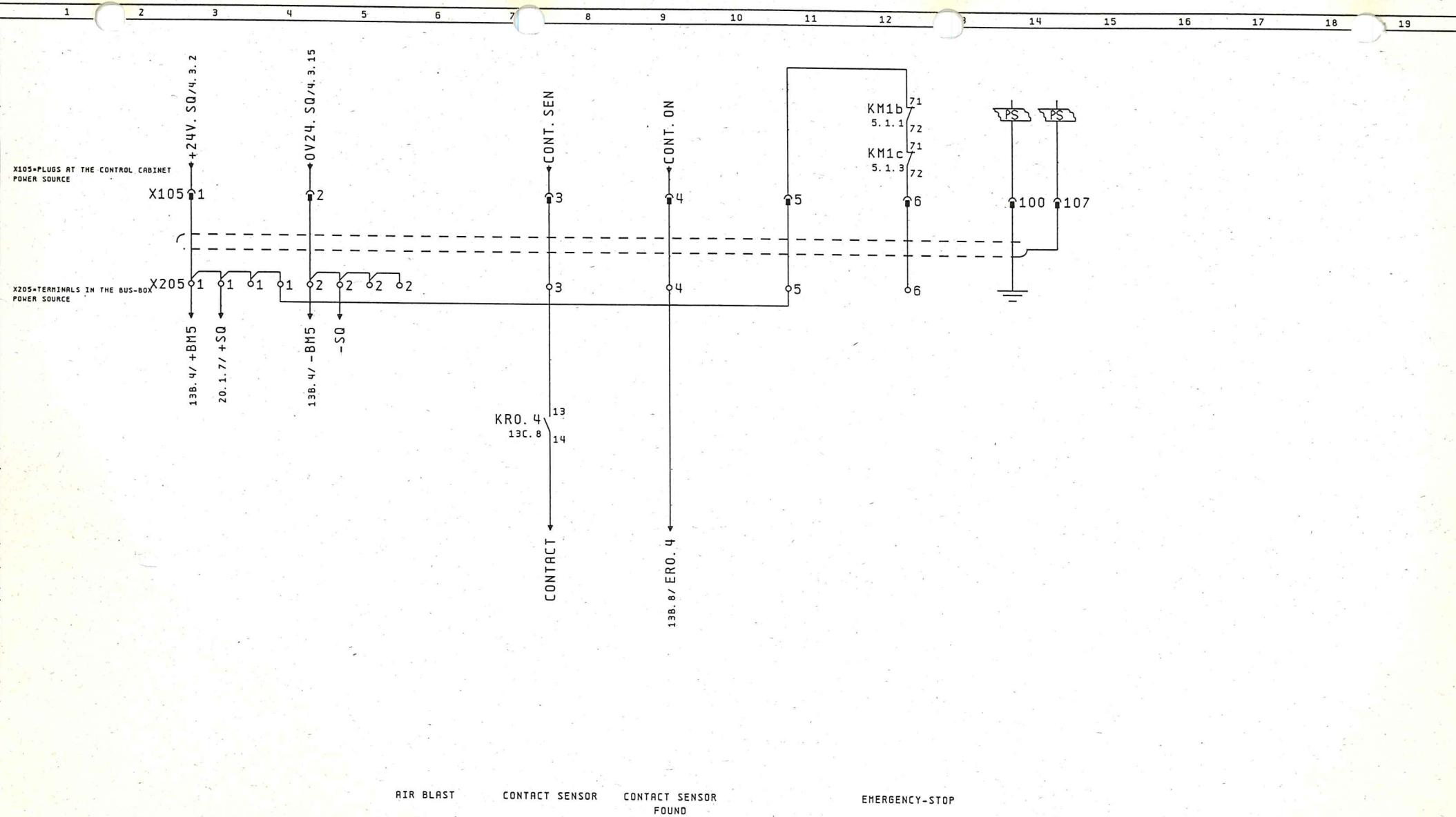
	Datum : 19. Aug. 1999	Anlage: SRV6 ROBOT-STAR V	Titel: CAN-MODULE CONTR. CABINET BYTE ER 1	Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	
	A. Dat.: 19. Aug. 1999					
	Bearb.: B. JACOBI					
Aenderung	Name	Gepr. :	Urspr. : Ers. f. : Ers. d. :	REIS ROBOTICS	Firma: PLASMA MODULS OY	B1. 13.1 50 B1.

1 2 3 4 5 6 8 9 10 11 12 13 14 15 16 17 18 19



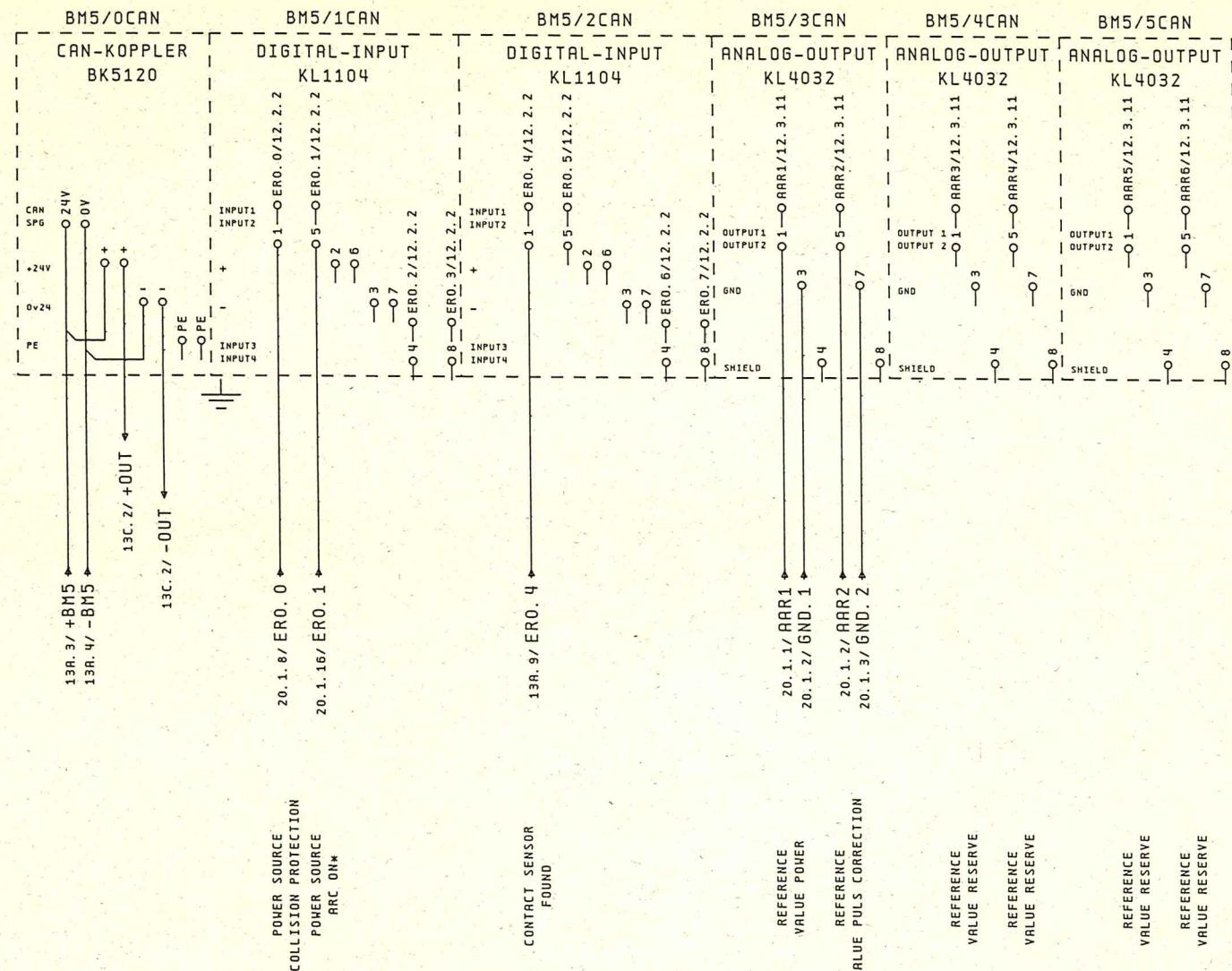
WORKING
HOURS COUNTER

		Datum : 19.Aug.1999	Hinlage: SRV6 ROBOT-STAR V	Titel: CAN-MODULE CONTR. CABINET BYTE AR 1		Zeichn.-Nr.: 013326	Lm.-Nr.: 52.588.00	
		A.Dat.: 19.Aug.1999					Firma:	
		Bearb.: B.JACOBI					PLASMA MODULS OY	B1. 13.5
Anderung	Name	Gepr. :	Urspr.:	Ers.f.:	Ers.d.:	REIS ROBOTICS		50 B1.



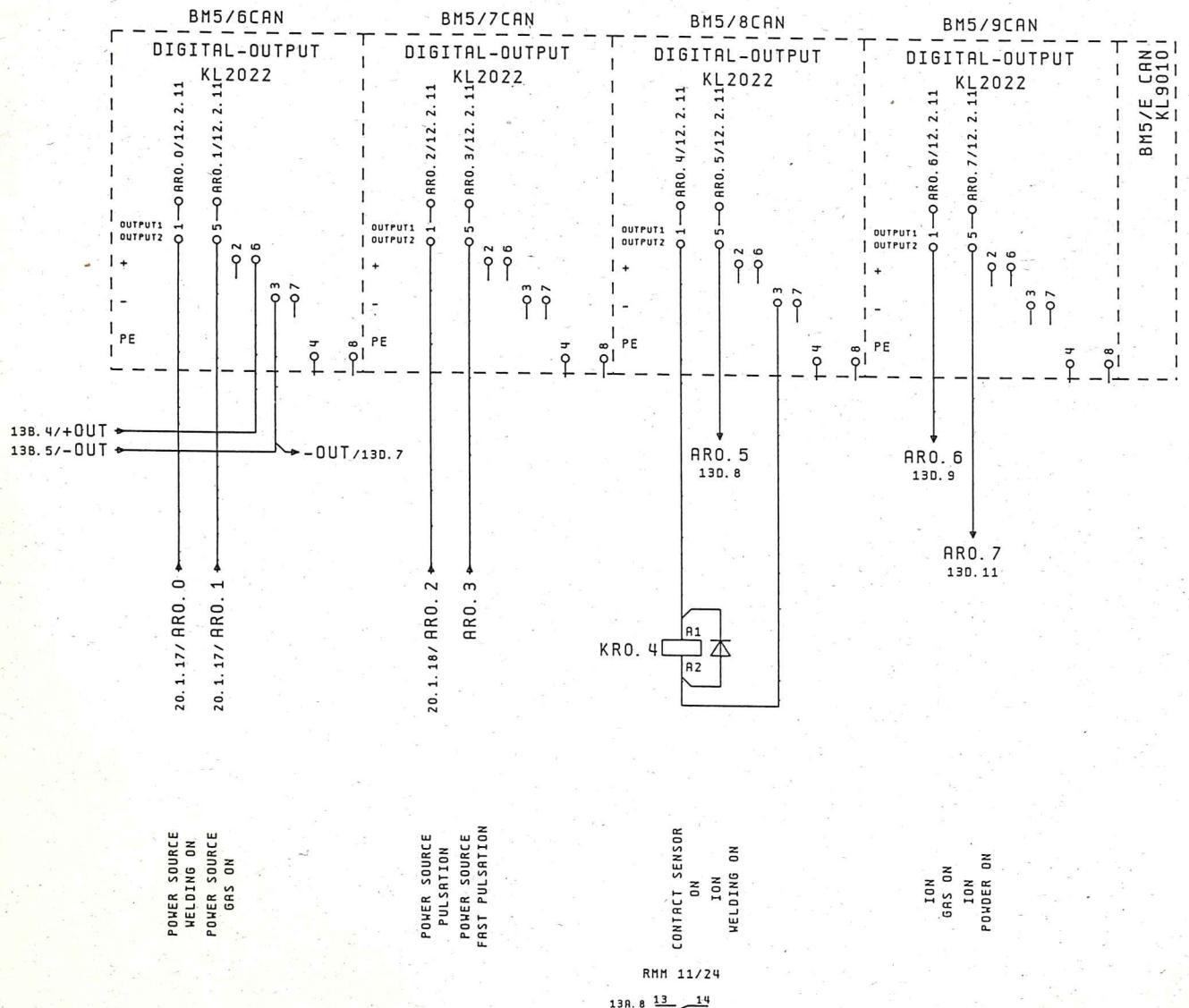
		Datum : 19.Aug.1999	Hinlage: SRV6 ROBOT-STAR V	Titel: VOLTAGE SUPPLY POWER SOURCE	 REIS ROBOTICS	Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	Firma: PLASMA MODULS OY	Bl. 13	50 B1
		A.Dat.: 18.Aug.1999								
		Bearb.: B.JACOBI								
Aenderung	Name	Gepr. :	Urspr.:	Ers.f.:	Ers.d.:					

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19



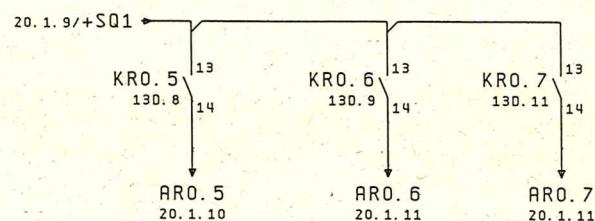
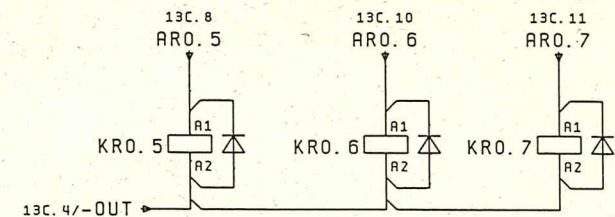
		Datum : 19. Aug. 1999	Anlage:	Reis	Zeichn.-Nr.:	013326	Com.-Nr.:	52.588.00	
		A. Dat.: 19. Aug. 1999	SRV6 ROBOT-STAR V	Reis Robotics					
		Bearb.: B. JACOBI							
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:		Firma:	PLASMA MODULS OY	B1. 13B

50 B1.



		Datum : 19. Aug. 1999	Hinlage: SRV6 ROBOT-STAR V	Titel: CAN-BUS-MODULES POWER SOURCE	REIS REIS ROBOTICS	Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	
		A. Dat.: 19. Aug. 1999						
		Bearb.: B. JACOBI						
Aenderung	Name	Gepr. :	Urspr. :	Ers. f. :	Ers. d.:	Firma: PLASMA MODULS OY		Bl. 13C 50 Bl.

1 2 3 4 5 6 8 9 10 11 12 13 14 15 16 17 18 19



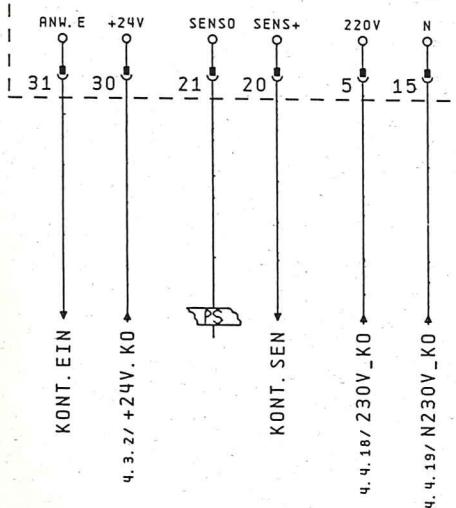
ION
WELDING ON ION
GAS ON ION
POWDER ON

RMM 11/24 RMM 11/24 RMM 11/24
130.8 13 14 130.9 13 14 130.11 13 14

		Datum : 19.Aug.1999	Anlage: SRV6 ROBOT-STAR V	Titel: COUPLING RELAYS	Zeichn.-Nr.:	Com.-Nr.:	
		A.Dat.: 19.Aug.1999			013326	52.588.00	
		Bearb.: B.JACOBI				Firma:	
Anderung	Name	Gepr. :	Urspr.:	Ers.f.:	Ers.d.:	REIS ROBOTICS	Bl. 130
						PLASMA MODULS OY	50 Bl.

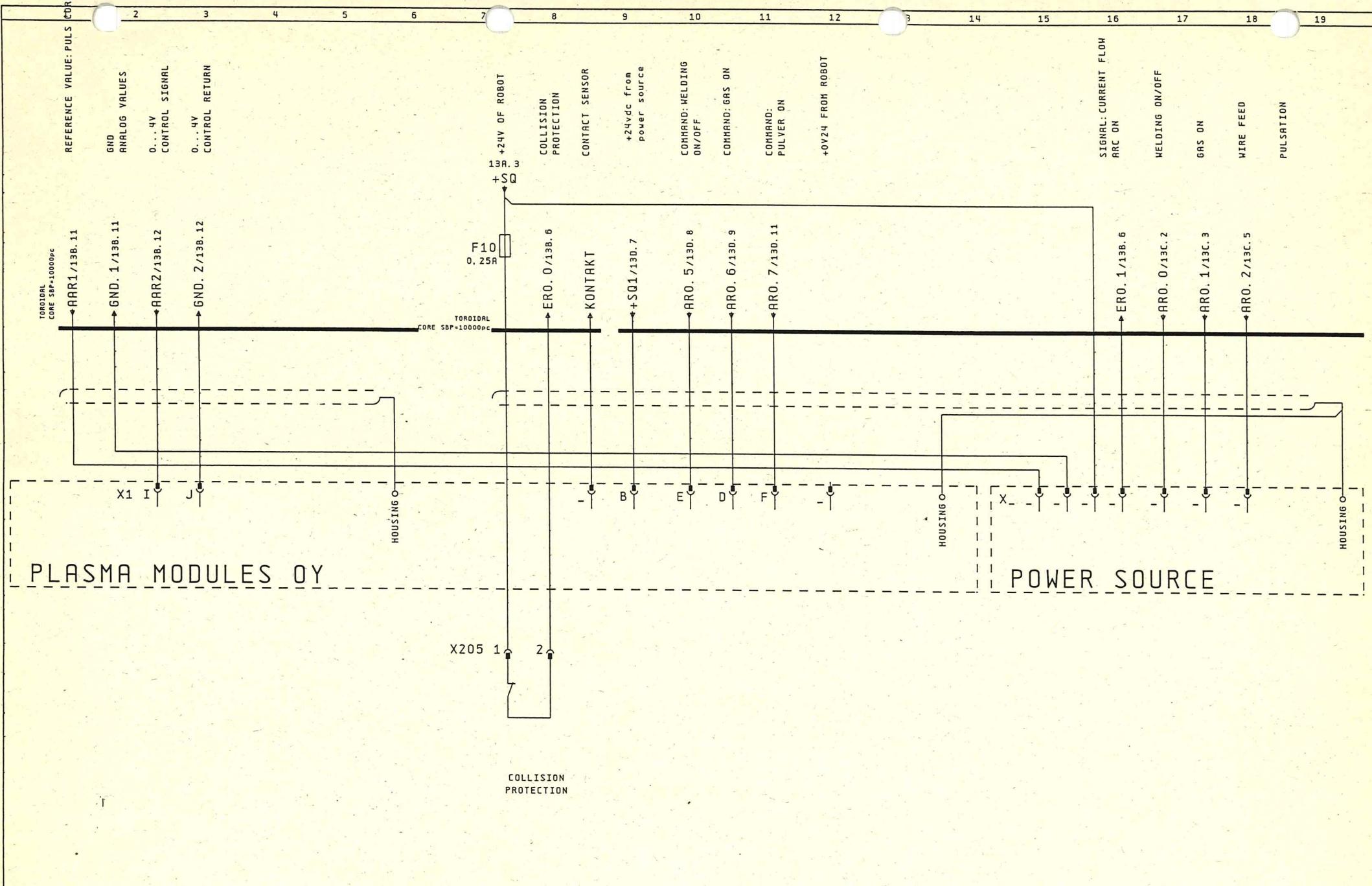
(IN CONTROL CABINET)

U2 | -----
| CONTACT SENSOR-CARD



CONTACT SENSOR
PART RECOGNIZED

CONTACT
SENSOR
AT THE TORCHE



		Datum : 19. Aug. 1999	Inlage:		Titel:		Zeichn.-Nr.:	Com.-Nr.:	
		R: Dat.: 19. Aug. 1999		SRV6 ROBOT-STAR V	PLASMA MODULES OY		013326	52. 588. 00	
		Bearb.: B. JACOBI			ION POWER SOURCE				
Anderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:	REIS ROBOTICS		Firma:	PLASMA MODULS OY

Bl. 20.1
50 Bl.

S T Ü C K L I S T E

REISSTKD 05.02.1998

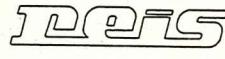
Bauteilbezeichnung	Menge	Bezeichnung / Typennummer	Hersteller	REIS-Identnummer	Seite Pfad	
CPU	1,0	CPU-60D/32/CX	STANDARD	FORCE COMPUTERS GMBH	2363879	
MCAN	1,0	M-MODULE MCAN		MEGATEC ELECTRONIC GMBH	2139923	
MODULTRÄGER	1,0	M-MODULE CARRIER BOARD I4000NP2		WEIZA GMBH	1766980	
F0	1,0	FUSE TERMINAL ZSI 2,5	161640	WEIDMUELLER GMBH	2139139	
F0	1,0	PARTITION WALL ZAP/TW3	160880	WEIDMUELLER GMBH	2139162	
F0	1,0	PARTITION WALL ZAP TNHE/ZS/1265084		WEIDMUELLER GMBH	2139766	
F0	1,0	FUSE1 A T 5X20	FST0034. 3117	I-CENTER	43935	
F0.R	1,0	CAR CABLE CONNECTION+FUSE	8940696-99	CONRAD ELECTRONIC GMBH	2164970	
G0	1,0	MAINS SUPPLY + ACCUMULATOR	L1006		2140129	
G0b	1,0	DRYFIT-RKU 12V/ 3,5AH	254096-55	CONRAD ELECTRONIC GMBH	1727008	
Q1	1,0	MAIN SWITCH	KG 32B T203/01 E	DEUTSCHE SOLENOID	31971	
Q2	1,0	MOTOR PROTECTIVE SWITCH	GV2-M05 0,63-1A	SCHNEIDER ELECTRIC GMBH	1387423	
Q2	1,0	COLLECTING BAR SYSTEM	GV1-G08	SCHNEIDER ELECTRIC GMBH	1387597	
Q3	1,0	MOTOR PROTECTIVE SWITCH	GV2-RT10 4,0-6,3A	SCHNEIDER ELECTRIC GMBH	1926139	
T1	1,0	DC-SUPPLY 039 P: 400V	S: 24VDC, 15A	KOENIG-WOERLE-BEER	1388231	
Z0	1,0	SUPPRESSOR 7A	FN258- 7-07	SCHAFFNER ELEKTRONIK GMBH	1766857	
F2	1,0	N-INSTALLATION-AUTOMAT: 1P.	530A2-104-7	SIEMENS	436030	
F3	1,0	N-INSTALLATION-AUTOMAT: 1P.	530A2-104-7	SIEMENS	436030	
F4	1,0	N-INSTALLATION-AUTOMAT: 1P.	530A2 106-7	SIEMENS	635904	
E1	1,0	FILTER FAN	SK 3325. 100	RITTAL-WERK	1284901	
F1	1,0	N-INSTALLATION-AUTOMAT: 1P.	530A2 110-7	SIEMENS	809731	
G1	1,0	VME-RACK 2SLOT 6HE/16TE	9999111	RITTAL-WERK	2141077	
G1	7,0	END SLEEVE H 0,75/14	WEISS 046290	WEIDMUELLER GMBH	44925	
G1	3.000,0	OELFLEX-110 TROMM. 3X0,75	0019010	SAB SIGNAL-ANLAGEN	745	
KM1b	1,0	CONTACTOR	LP1 D12 10BD	SCHNEIDER ELECTRIC GMBH	99572	
KM1b	1,0	AUXILIARY SWITCH BLOCK	LA1 DN22	SCHNEIDER ELECTRIC GMBH	91405	
KM1b	1,0	OVERLOAD VOLTAGE LIMITATOR LD	-S1-1	700445	LUETZE FRIEDRICH GMBH	743203
KM1c	1,0	CONTACTOR	LP1 D12 10BD	SCHNEIDER ELECTRIC GMBH	99572	
KM1c	1,0	AUXILIARY SWITCH BLOCK	LA1 DN22	SCHNEIDER ELECTRIC GMBH	91405	
KM1c	1,0	OVERLOAD VOLTAGE LIMITATOR LD	-S1-1	700445	LUETZE FRIEDRICH GMBH	743203
HB1	1,0	SOCKET LAMP RED	ZB2-BV04	SCHNEIDER ELECTRIC GMBH	26484	
HB1	1,0	SOCKET PILOT LAMP	ZB2-BV6	SCHNEIDER ELECTRIC GMBH	26518	
HB1	1,0	BULB BA 28V/40ma	SD4398518	BRAUN GMBH & CO KG	1851816	
HB1	1,0	ALUMINIUM PLATE	30X50X1,0 BOHRUNG 22,5	KUENKLER EGON GMBH	443598	
PRO.7	1,0	WORKING HOURS COUNTER	24VDC 891 321	FRANZ J. ING. BUERO	1851642	
PRO.7	1,0	INSTALLATION FRAME	2 405 218	FRANZ J. ING. BUERO	1851659	
SQWT1	1,0	LUMINOUS KEY BLUE	ZB2-BW36	SCHNEIDER ELECTRIC GMBH	133686	
SQWT1	1,0	SOCKET LUMINOUS KEY	ZB2-BW065	SCHNEIDER ELECTRIC GMBH	26542	
SQWT1	1,0	BULB BA 28V/40ma	SD4398518	BRAUN GMBH & CO KG	1851816	

		Datum : 19. Aug. 1999	Anlage: SRV6 ROBOT-STAR V	Titel: PARTS LIST	 REIS ROBOTICS	Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	Firma: PLASMA MODULS OY	Bl. 35 50 Bl.
		A. Dat.: 19. Aug. 1999							
		Bearb.: B. JACOBI							
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:				

S T Ü C K L I S T E

REISSTKD 05.02.1998

Bauteilbezeichnung	Menge	Bezeichnung / Typennummer	Hersteller	REIS-Identnummer	Seite Pfad
SQWT1	1.0	ALUMINUM PLATE 30X50X1,0 BOHRUNG 22,5	KUENKLER EGON GMBH	443598	5.2.8
KBE1	1.0	SAFTY SWITCH UNIT SRB-NA-R-C15-24V	ELAN-SCHALTELEMENTE	1766832	5A.14
KM7	1.0	SAFTY SWITCH UNIT TIME SRB-NA-R-C16-24V	ELAN-SCHALTELEMENTE	1766600	5A.2
KM7b	1.0	CONTACTOR LP1 D09 10BD	SCHNEIDER ELECTRIC GMBH	1223172	5A.5
KM7b	1.0	AUXILIARY SWITCH BLOCK LA1 DN31	SCHNEIDER ELECTRIC GMBH	934737	5A.5
KM7b	1.0	OVERLOAD VOLTAGE LIMITATOR LD -S1-1 700445	LUETZE FRIEDRICH GMBH	743203	5A.5
KM7c	1.0	CONTACTOR LP1 D09 10BD	SCHNEIDER ELECTRIC GMBH	1223172	5A.8
KM7c	1.0	AUXILIARY SWITCH BLOCK LA1 DN31	SCHNEIDER ELECTRIC GMBH	934737	5A.8
KM7c	1.0	OVERLOAD VOLTAGE LIMITATOR LD -S1-1 700445	LUETZE FRIEDRICH GMBH	743203	5A.8
KM8b	1.0	CONTACTOR LP1 D09 10BD	SCHNEIDER ELECTRIC GMBH	1223172	5A.6
KM8b	1.0	AUXILIARY SWITCH BLOCK LA1 DN31	SCHNEIDER ELECTRIC GMBH	934737	5A.6
KM8b	1.0	OVERLOAD VOLTAGE LIMITATOR LD -S1-1 700445	LUETZE FRIEDRICH GMBH	743203	5A.6
KM8c	1.0	CONTACTOR LP1 D09 10BD	SCHNEIDER ELECTRIC GMBH	1223172	5A.10
KM8c	1.0	AUXILIARY SWITCH BLOCK LA1 DN31	SCHNEIDER ELECTRIC GMBH	934737	5A.10
KM8c	1.0	OVERLOAD VOLTAGE LIMITATOR LD -S1-1 700445	LUETZE FRIEDRICH GMBH	743203	5A.10
N1	1.0	REGULATOR 4003	I R T SA	2138602	7.1.3
N2	1.0	REGULATOR 4005		2138610	
N3	1.0	REGULATOR 4003	I R T SA	2138602	7.1.8
N4	1.0	REGULATOR 4003	I R T SA	2138602	7.1.13
N5	1.0	REGULATOR 4003	I R T SA	2138602	7.2.3
N6	1.0	REGULATOR 4003	I R T SA	2138602	7.2.8
N7	1.0	REGULATOR 4009		2138628	7.3.3
N8	1.0	REGULATOR 4005		2138610	7.3.9
XR120	1.0	FINAL RESISTOR XR120 CAN-BUS		2140533	8.1.1
FBKN6-N7	1.0	CONNECTION CABLE CAN-BUS TWIS.P 10POL.		2363218	8.3.15
DLW	1.0	DISC DRIVE 3.5" 1.44 MB HELL, MITSUBISHI	LION ELECTRONICS INTERNATIONAL	2130047	9.2.4
DLW	1.0	POWER SUPPLY PLUG DISC-D. SVK3	REICHELT ELEKTRONIK	2139980	9.2.4
DLW	1.200.0	LIYCY 3X0,5 /55 GESAMTSCHIRM	WEYDEMAYER GMBH	955054	9.2.4
DLW	1.0	INTERFACE ADJACENT BOX	RITTAL-WERK	2139931	9.2.4
VME	1.0	DISC DRIVE-ADAPTER RSV	MEGATEC ELECTRONIC GMBH	2139949	9.2.4
BM3/0CAN	1.0	CAN-BUS NODE 8DI MBM-C 55900	MURRELEKTRONIK GMBH	2140541	13.1.1
BM3/0CAN	1.0	CAN-TERMINAL BLOCK FOR MBM-C 55977	MURRELEKTRONIK GMBH	2363259	13.1.1
BM3/1CAN	1.0	CAN-DIG. OUTPUT MODULE MBMD0 8/2A 55924	MURRELEKTRONIK GMBH	2290098	13.5.1
BM3/1CAN	1.0	CAN-TERMINAL BLOCK FOR MBMD0 8/0,5 55956	MURRELEKTRONIK GMBH	2140616	13.5.1
BM5/0CAN	1.0	CAN-BUS COUPLER BK 5120		2364281	13B.3
BM5/1CAN	1.0	CAN-DIG. INPUT TERMINALS 4 KL 1104		2364299	13B.5
BM5/2CAN	1.0	CAN-DIG. INPUT TERMINALS 4 KL 1104		2364299	13B.8
BM5/3CAN	1.0	CAN-ANA. OUTPUT TERMINALS 2 KL 4032		2364323	13B.10
BM5/4CAN	1.0	CAN-ANA. OUTPUT TERMINALS 2 KL 4032		2364323	13B.12

	Datum : 19. Aug. 1999	Anlage:	SRV6-ROBOT-STAR V	Titel: PARTS LIST		Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	Firma:	PLASMA MODULS OY	Bl. 36
	A. Dat.: 19. Aug. 1999	Bearb.: B. JACOBI								
Aenderung	Name	Gepr. :	Urspr. :	Ers. f.:	Ers. d.:	REIS ROBOTICS				50 Bl.

S T Ü C K L I S T E

REISSTKD 05.02.1998

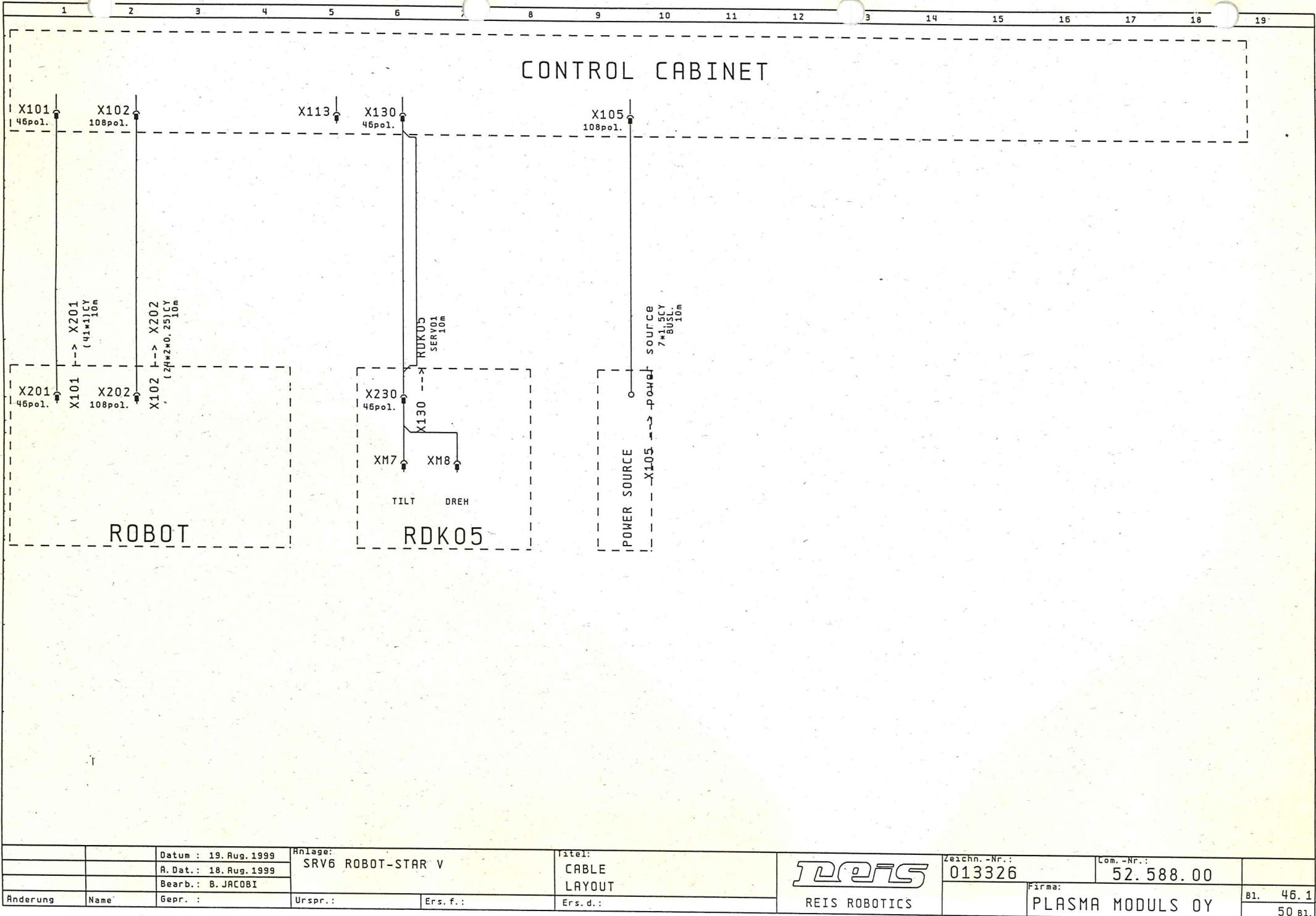
Bauteilbezeichnung	Menge	Bezeichnung / Typennummer	Hersteller	REIS-Identnummer	Seite Pfad
BM5/5CAN	1,0	CAN-ANA. OUTPUT TERMINALS 2 KL 4032		2364323	13B. 14
BM5/6CAN	1,0	CAN-DIG. OUTPUT TERMINALS 2 KL 2022		2216481-	13C. 2
BM5/7CAN	1,0	CAN-DIG. OUTPUT TERMINALS 2 KL 2022		2216481	13C. 4
BM5/8CAN	1,0	CAN-DIG. OUTPUT TERMINALS 2 KL 2022		2216481	13C. 7
BM5/9CAN	1,0	CAN-DIG. OUTPUT TERMINALS 2 KL 2022		2216481	13C. 10
BM5/ECAN	1,0	CAN-BUSENDTERMINAL KL 9010		2364349	13C. 12
KR0. 4	1,0	RELAY COUPLER 1S RMM 11/24 51851	MURRELEKTRONIK GMBH	1626770	13C. 8
U2	1,0	CONTACT SENSOR BOARD 7500. 379. 502	MEGATEC ELECTRONIC GMBH	749424	15. 1. 1
U2	1,0	BOARD PLATE SKBI31 2201519	PHOENIX CONTACT	834739	15. 1. 1
F10	1,0	FUSE TERMINAL ASK1/35LD 24V022276	WEIDMUELLER GMBH	676346	20. 1. 7
F10	1,0	FUSE 250MA T 5X20 FST0034. 3111	SCHURTER GMBH	43901	20. 1. 7
X101	1,0	ADD-ON HOUSING 09 30 024 0301	HARTING ELEKTRONIK	338046	46. 1. 1
X101	1,0	SOCKET PLUG 09 32 046 3109	HARTING ELEKTRONIK	2139220	46. 1. 1
X101	1,0	PIN-PLUG 09 32 046 3009	HARTING ELEKTRONIK	2139238	46. 1. 1
X101	1,0	SOCKET HOUSING 09 30 024 0521	HARTING ELEKTRONIK	1170688	46. 1. 1
X101-->X201	10.000,0	OELFLEX-110 CY 41X1,0 0035541	WEYDEMAYER GMBH	1476903	46. 1. 1
X102	1,0	ADD-ON HOUSING 09 30 024 0301	HARTING ELEKTRONIK	338046	46. 1. 2
X102	1,0	SOCKET PLUG 09 16 108 3101	HARTING ELEKTRONIK	1170647	46. 1. 2
X102	1,0	PIN-PLUG 09 16 108 3001	HARTING ELEKTRONIK	1170639	46. 1. 2
X102	1,0	SOCKET HOUSING 09 30 024 0521	HARTING ELEKTRONIK	1170688	46. 1. 2
X102-->X202	10.000,0	LIYCY-CY 24X2X0, 25/28 PAAR+GES. SCHIRM	WEYDEMAYER GMBH	1171637	46. 1. 2
X105	1,0	ADD-ON HOUSING 09 30 024 0301	HARTING ELEKTRONIK	338046	46. 1. 10
X105	1,0	SOCKET PLUG 09 16 108 3101	HARTING ELEKTRONIK	1170647	46. 1. 10
X105	1,0	PIN-PLUG 09 16 108 3001	HARTING ELEKTRONIK	1170639	46. 1. 10
X105	1,0	SOCKET HOUSING 09 30 024 0521	HARTING ELEKTRONIK	1170688	46. 1. 10
X105-->STROMQUELLE	10.000,0	OELFLEX-110 CY 7X1,5 0025041	MAINLAND GMBH	740324	46. 1. 10
X105-->STROMQUELLE	10.000,0	CAN-BUS-LTG. 104207 3X2X0, 25 PVC	LUETZE FRIEDRICH GMBH	2363366	46. 1. 10
X130	1,0	ADD-ON HOUSING 09 30 024 0301	HARTING ELEKTRONIK	338046	46. 1. 6
X130	1,0	SOCKET PLUG 09 32 046 3109	HARTING ELEKTRONIK	2139220	46. 1. 6
X130	1,0	PIN-PLUG 09 32 046 3009	HARTING ELEKTRONIK	2139238	46. 1. 6
X130	1,0	SOCKET HOUSING 09 30 024 0521	HARTING ELEKTRONIK	1170688	46. 1. 6
X130-->RDK05	20.000,0	1 2(3X0, 35)+2X0, 15+3X2X0, 15		2139568	46. 1. 6
X201	1,0	ADD-ON HOUSING 09 30 024 0301	HARTING ELEKTRONIK	338046	46. 1. 1
X201	1,0	SOCKET PLUG 09 32 046 3109	HARTING ELEKTRONIK	2139220	46. 1. 1
X201	1,0	PIN-PLUG 09 32 046 3009	HARTING ELEKTRONIK	2139238	46. 1. 1
X201	1,0	SOCKET HOUSING 09 30 024 0521	HARTING ELEKTRONIK	1170688	46. 1. 1
X202	1,0	ADD-ON HOUSING 09 30 024 0301	HARTING ELEKTRONIK	338046	46. 1. 2
X202	1,0	SOCKET PLUG 09 16 108 3101	HARTING ELEKTRONIK	1170647	46. 1. 2
X202	1,0	PIN-PLUG 09 16 108 3001	HARTING ELEKTRONIK	1170639	46. 1. 2

	Datum : 19. Aug. 1999	Hinlage: SRV6 ROBOT-STAR V	Titel: PARTS LIST	REIS ROBOTICS	Zeichn.-Nr.:	Com.-Nr.:	
	A. Dat.: 19. Aug. 1999				013326	52. 588. 00	
	Bearb.: B. JACOBI				Firma:	PLASMA MODULS OY	B1. 37
Änderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:		50 Bl.

S T Ü C K L I S T E

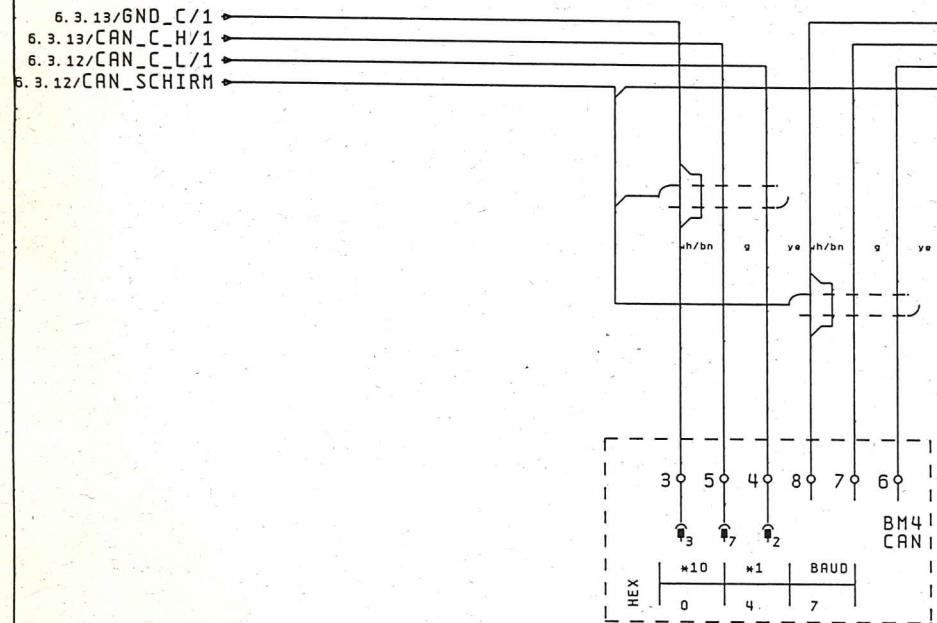
REISSSTKD 05.02.1998

		Datum : 19. Aug. 1999	Anlage: SRV6 ROBOT-STAR V	Titel: PARTS LIST	 REIS ROBOTICS	Zeichn.-Nr.:	Com.-Nr.:	
		A.Dat.: 19. Aug. 1999				013326	52.588.00	
		Bearb.: B. JACOBI				Firma:	PLASMA MODULS OY	
Aenderung	Name	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:			B1. 38 50 B1.

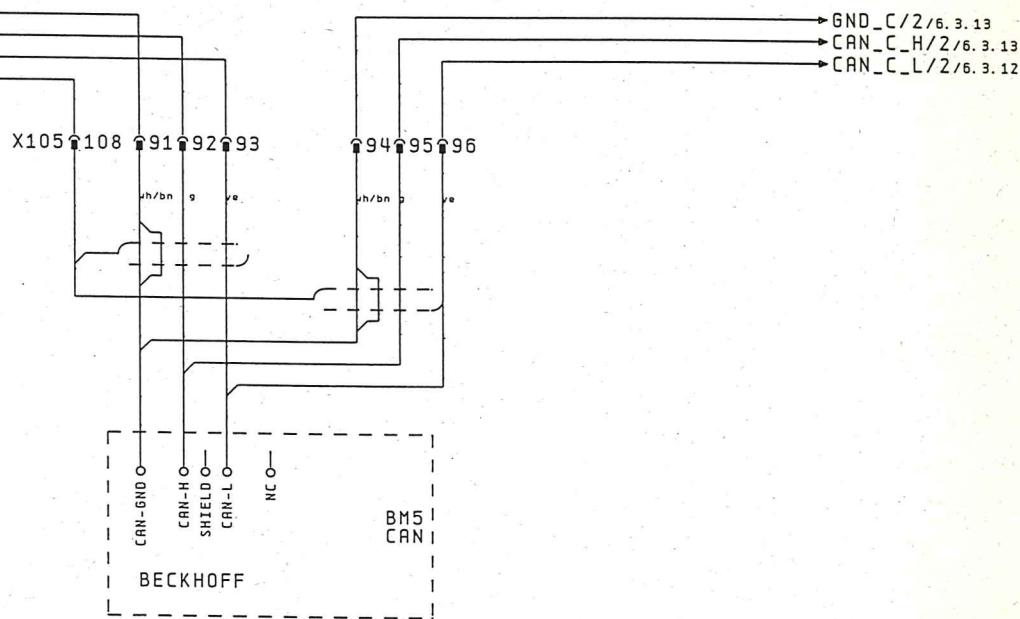


1 2 3 4 5 6 8 9 10 11 12 3 14 15 16 17 18 19

CONTROL CABINET



POWER SOURCE



FORWARD + BACKWARD wh g ye bn gr pk

FORWARD wh/bn g ye

		Datum : 19.Aug.1999	Anlage: SRV6 ROBOT-STAR V	Titel: CABLE LAYOUT CAN-BUS	Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	
		A.Dat.: 19.Aug.1999					
		Bearb.: B.JACOBI					
Aenderung	Name	Gehr. :	Urspr.:	Ers. f.:	Ers. d.:	Firma: PLASMA MODULS OY	B1. 47.1 50 B1.

1 2 3 4 5 6 8 9 10 11 12 13 14 15 16 17 18 19

Klemmen-Übersichtsplan

WUP14010 / 28. Mai. 1993

Klemmleiste / Stecker	Klemmleisten / Steckerbezeichnung	Anzahl	von Nr.	bis Nr.	PE-Kl.	N-Kl.	Seite und Pfad
X10	TERMINAL STRIP CONTROL CABINET VOLTAGE SUPPLY 24VDC	43	1A	20D	0	0	
X11	TERMINAL STRIP CONTROL CABINET VOLTAGE SUPPLY 230V	23	1	PE	0	0	
X20	TERMINAL STRIP IN THE CONTROL CABINET SAFETY DOOR	19	1	21	0	0	
XM1	PLUG AT THE MOTOR A1	6	A	GND	0	0	
XM2	PLUG AT THE MOTOR A2	6	A	GND	0	0	
XM3	PLUG AT THE MOTOR A3	6	A	GND	0	0	
XM4	PLUG AT THE MOTOR A4	6	A	GND	0	0	
XM5	PLUG AT THE MOTOR A5	6	A	GND	0	0	
XM6	PLUG AT THE MOTOR A6	6	A	GND	0	0	
XM7		7	A	GND	0	0	
XM8	PLUG AT THE MOTOR A8	7	A	GND	0	0	
XM9	PLUG AT THE MOTOR A9	0		GND	0	0	
X101	PLUG AT THE CONTROL CABINET MOTOR 1-6	43	1	PE	0	0	
X102	PLUG AT THE CONTROL CABINET RESOLVER 1-6	72	1	102	0	0	
X105	PLUG AT THE CONTROL CABINET POWER SOURCE	15	1	108	0	0	
X113	PHG PLUG AT THE CONTROL CABINET	25	1	25	0	0	
X115	PLUG AT THE CONTROL CABINET DNC	9	1	9	0	0	
X130		24	6	46	0	0	
X131	PLUG AT THE CONTROL CABINET MOTOR A8+9	15	1	PE	0	0	
X201	PLUG AT THE ROBOT MOTOR 1-6	43	1	PE	0	0	
X202	PLUG AT THE ROBOT RESOLVER 1-6	72	1	102	0	0	
X205	TERMINALS IN THE BUS BOX POWER SOURCE	12	1	6	0	0	
X231	PLUG ON MACHINE MOTOR A8+9	15	1	PE	0	0	
Xext	PLUG IN PORTABLE TEACH PENDANT	14	1	16	0	0	
1X2	PLUG ON REGULATOR	9	1	9	0	0	
1X3	PLUG ON REGULATOR	9	1	9	0	0	
2X2	PLUG ON REGULATOR	9	1	9	0	0	
2X3	PLUG ON REGULATOR	9	1	9	0	0	
3X2	PLUG ON REGULATOR	9	1	9	0	0	
3X3	PLUG ON REGULATOR	9	1	9	0	0	
4X2	PLUG ON REGULATOR	9	1	9	0	0	
4X3	PLUG ON REGULATOR	9	1	9	0	0	
5X2	PLUG ON REGULATOR	9	1	9	0	0	
5X3	PLUG ON REGULATOR	9	1	9	0	0	
6X2	PLUG ON REGULATOR	9	1	9	0	0	

	Datum: 19. Aug. 1999	Anlage:					
	R.Dat.: 19. Aug. 1999						
	Bearb.: B.JACOBI						
Aenderung	Name	Gepr. :	Urspr.:	Ers.f.:	Ers.d.:		

REIS
REIS ROBOTICS

Zeichn.-Nr. :
013326

Com.-Nr. :
52.588.00

Firma:
PLASMA MODULS OY

Bl. 48
50 Bl.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

Klemmen-Übersichtsplan

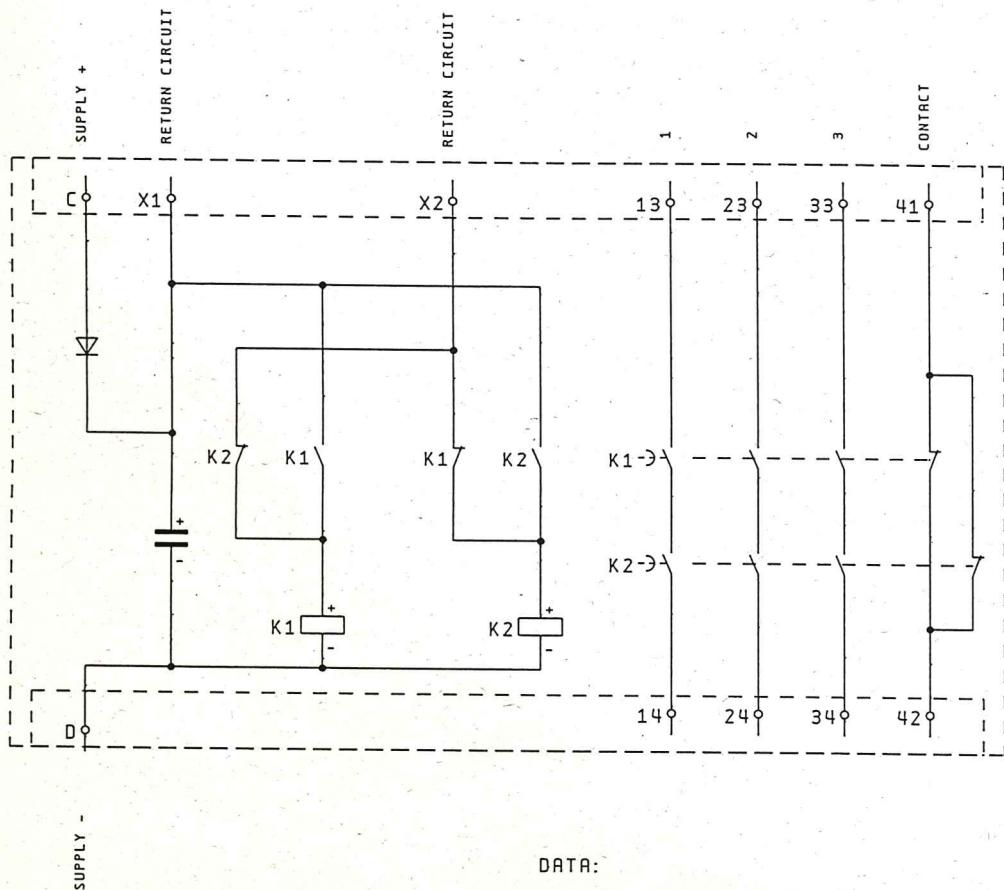
WUP1401D / 28. Mai. 1993

		Datum : 19. Aug. 1999	Anlage: SRV6 ROBOT-STAR V	Titel: TABLE OF THE TERMINAL STRIPS	 REIS ROBOTICS	Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	
		A. Dat.: 19. Aug. 1999						
		Bearb.: B. JACOBI						
Aenderung:	Name:	Gepr. :	Urspr.:	Ers. f.:	Ers. d.:	Firma:	PLASMA MODULS OY	Bl. 48.1 50 b1

INSIDE CIRCUIT

ELAN: SRB-NA-R-C.16

DECELERATION ca. 1sec



DATA:

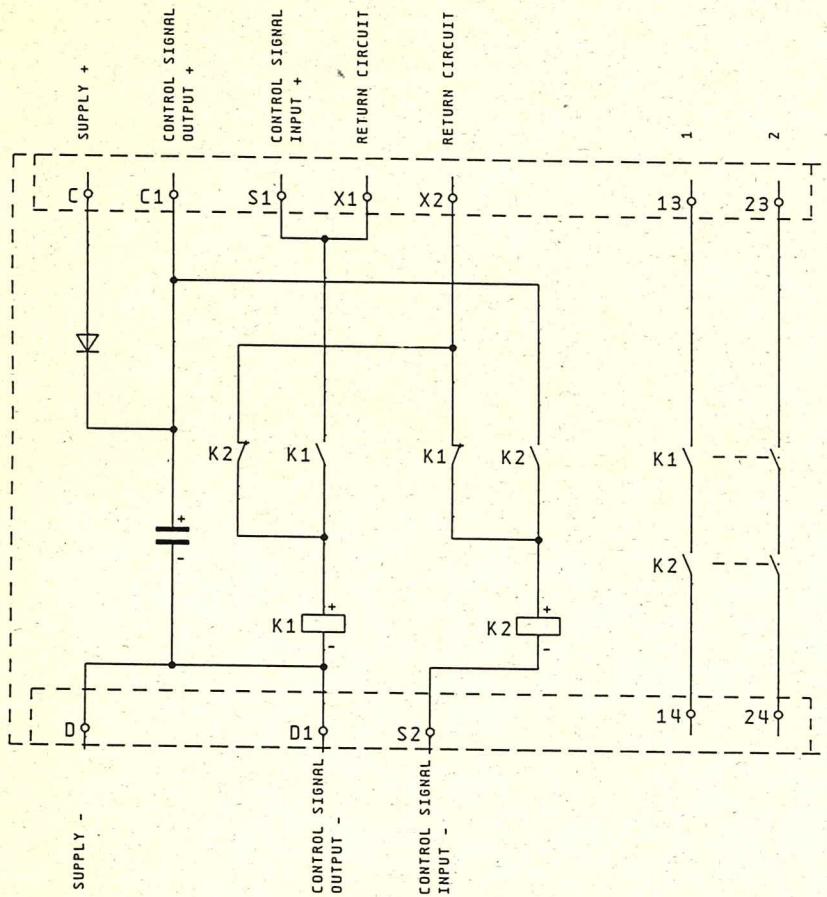
VOLTAGE 24V DC (-15%/+20%)
 CURRENT CONSUMPTION 120 mA
 NC CONTACT 24V/2A
 NO CONTACT 24V/4A

	Datum : 19.Aug.1999	Anlage: SRV6 ROBOT-STAR V	Titel: SAFTY SWITCH UNIT .C16	Zeichn.-Nr.: 013326	Com.-Nr.: 52.588.00	Firma: REIS ROBOTICS
	A.Dat.: 19.Aug.1999					
	Bearb.: B.JACOBI					
Aenderung	Name	Gepr. :	Urspr.:	Ers.f.:	Ers.d.:	Bl. 49 50 Bl.

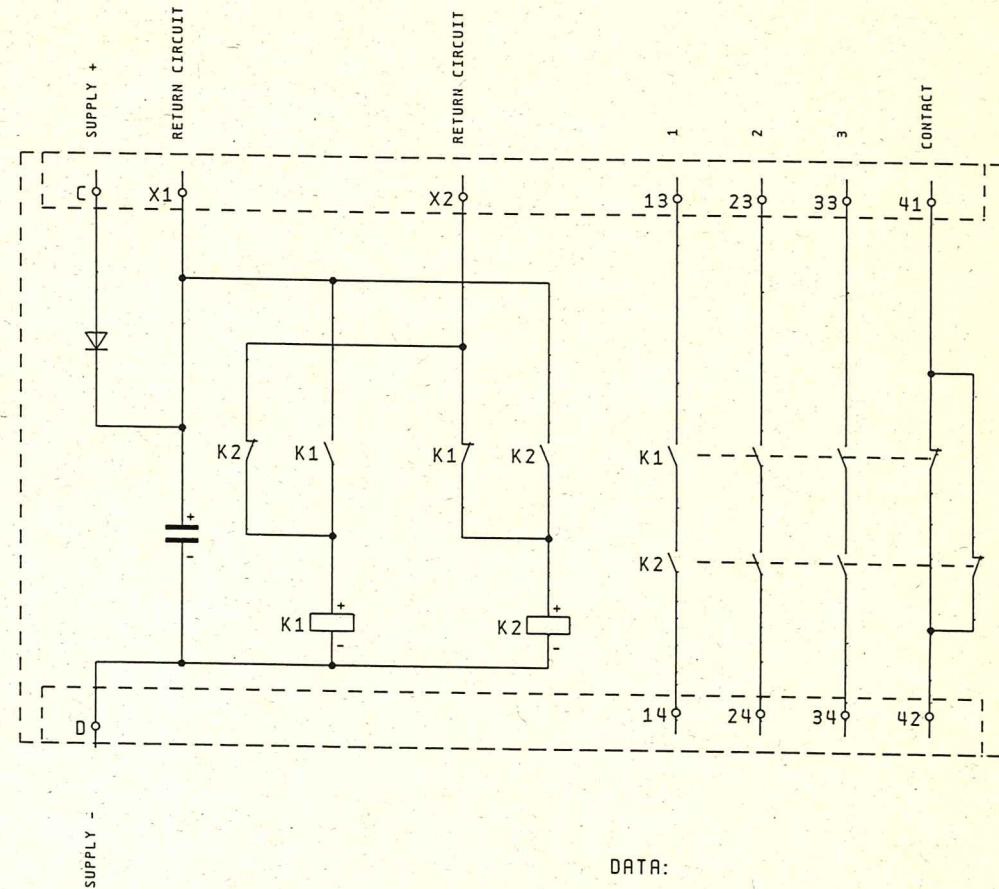
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

INSIDE CIRCUIT

ELAN: SRB-NA-R-C. 14



ELAN: SRB-NA-R-C. 15



DATA:

VOLTAGE 24V DC (-15% +20%)
 CURRENT CONSUMPTION 120 ma
 NC CONTACT 24V/2A
 NO CONTACT 24V/4A

	Datum : 19. Aug. 1999	Anlage: SRV6 ROBOT-STAR V	Titel: SAFTY SWITCH UNIT .C14/.C15	Zeichn.-Nr.: 013326	Com.-Nr.: 52. 588. 00	
	A. Dat.: 19. Aug. 1999					
	Bearb.: B. JACOBI					
Anderung	Name	Gepr. :	Urspr. : Ers. f. : Ers. d. :	REIS	Firma: PLASMA MODULS OY	Bl. 50 50 Bl.