



SCHEMA ELECTRIQUE

| | |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| CLIENTE - CUSTOMER - ABNEHMER - CLIENT - CLIENTE: ROMACO FRANCE STOCK 2 | MATRICOLA - SERIAL NUMBER - SERIENNUMMER - MATRICULE - MATRÍCULA NÚMERO: 7301180 |
| BIPAK | ASTUCCIATRICE |
| | CARTONING MACHINE |
| | ENCARTONNEUSE |
| | KARTONIERMASCHINE |
| | ESTUCHADORA |

Promatic Italia s.r.l.
 via Nazionale, 55/9 - 40067 Rastignano (Bologna) ITALY
 tel. (051) 74.48.17 - 74.31.92 - Telefax (051) 74.31.92



CLIENTE / CUSTOMER / CLIENT / KUNDE / CLIENTE :
 MACCHINA / MACHINE / MACHINE / MASCHINE :
 MATRICOLA / SR. NR. / CODE MACHINE / BESTELNUMMER :
 SCHEMA ELETTRICO N° / ELECTRICAL DIAGRAM NR. / SCHEMA ELECTRIQUE / KURZEL SCHALTSHEMA :
STOCK N° 2 ROMACO (F)
BIPAK
7301180
Pr02b4.prg

ALIMENTAZIONE / POWER SUPPLY / ALIMENTATION / VERSORGUNG :
 POTENZA INSTALLATA / INSTALLED POWER / PUISSANCE INSTALEE / INSTALLIERTE LEISTUNG :
 CORRENTE ASSORBITA / INPUT CURRENT / COURANT ABSORBE / STROMAUFNAHME :
 LINEA POTENZA / POWER LINE / LIGNE DE PUISSANCE / LEISTUNG LINE :
 TENSIONE CIRCUITI AUSILIARI / AUXILIARY CIRCUIT VOLTAGE / ALIMENTATION CIRCUITS AUXILIAIRES / BETRIEBSSTROMKREISE :
 P.L.C. / P.L.C. / P.L.C. / P.L.C. :
 GRUPPI AGGIUNTIVI / ADDITIONAL UNITS / GROUPE ADDITIONNELS / ZUSATZGRUPPEN :

400V - 50Hz
 2,5KW
 4,5A
 2,5mmq
 24VDC
 SIEMENS S7-300

REV. 0 16/02/2002

REV.

REV.

REV.

REV.



DATA OPERATORE S.C.
 PROGETTO Pr02b4.prg
 FILE Pr02b4-Schemi.001

GRUPPO UNIT GROUPS GROUPES
 Schemi
 TIPO MACCHINA MACHINE TYPE TYPE DE MACHINE MASCHINENTYP
 BIPAK

DESCRIZIONE / DESCRIPTION / DESCRIPTION / BESCHREIBUNG :
 dati elettrici
 caractéristiques électriques

| | |
|----------------------------------------------------|-------------------------------------|
| N° SCHEMA DIAGRAM N° N° SCHEMA NR. - PLAN | TAVOLA TABLE TABELLE SEITE |
| MATRICOLO SR. NR. DIS. NR. DES. NR. | TOTALE TOTAL TOTAL INSG. |
| 7301180 | 1 |
| 7301180 | 28 |

| Nr.PG. | DESCRIZIONE / DESCRIPTION | Nr.PG. | DESCRIZIONE / DESCRIPTION |
|--------|------------------------------------------------------------------------------------|--------|------------------------------------------------------------------|
| 3 | OPZIONI PRESENTI groupes optionnels présents | 22 | TAVOLA DISPONIBILE tableau disponible |
| 4 | ALIMENTAZIONI PRINCIPALI alimentations principales | 23 | CONNESSIONI MACCHINA connexions machine |
| 5 | MOTORE MACCHINA moteur machine | 24 | CONNESSIONI MACCHINA connexions machine |
| 6 | TABELLA PARAMETRI DRIVE MOTORE MACCHINA tableau paramètres drive moteur machine | 25 | CONNESSIONI MACCHINA connexions machine |
| 7 | EMERGENZE E PROTEZIONI arrêts d'urgence et protections | 26 | CONNESSIONI MACCHINA connexions machine |
| 8 | DISPOSITIVO ARRESTO D'EMERGENZA dispositif d'arrêt d'urgence | 27 | CONNESSIONI MACCHINA connexions machine |
| 9 | START - STOP HARDWARE marche - arrêt matériel | 28 | TOPOGRAFICO USCITA CAVI topographique de la sortie des câbles |
| 10 | TAVOLA DISPONIBILE tableau disponible | | |
| 11 | TOPOGRAFICO P.L.C. plan topographique p.l.c. | | |
| 12 | SCHEDA PROGRAMMAZIONE FASI (FM352) carte de programmation des phases (FM352) | | |
| 13 | INGRESSI P.L.C. entrées p.l.c. | | |
| 14 | INGRESSI P.L.C. entrées p.l.c. | | |
| 15 | INGRESSI P.L.C. entrées p.l.c. | | |
| 16 | INGRESSI P.L.C. entrées p.l.c. | | |
| 17 | USCITE P.L.C. sorties p.l.c. | | |
| 18 | USCITE P.L.C. sorties p.l.c. | | |
| 19 | TOPOGRAFICO PANNELLO DI COMANDO plan topographique panneau de commande | | |
| 20 | TOUCH-SCREEN écran tactile | | |
| 21 | TOPOGRAFICO MACCHINA plan topographique de la machine | | |



DATA 16/02/2002
OPERATORE S.C.
PROGETTO Pr02b4-prg
FILE Pr02b4-Schemi.002

GRUPPO UNIT GROUPE GROUPES
RIFO. MACCHINA MACHINE TYPE TYPE DE MACHINE MACHINENTYP

Schemi BIPAK

DESCRIZIONE / DESCRIPTION / DESCRIPTION / DESCRIBTION :
indice sommaire

| | | |
|-------------------------------------------------|--------------------------------------|--------------------|
| N° SCHEMA DIAGRAMMA N° SCHEMA NR. PLAN | TAVOLA TABLE TABLELLE SEITE | 2 |
| MATRICOLO SR. NR. DIS. NR. DES. NR. | TOTALE TOTAL TOTAL INSG. | 7301180 9 28 |

| | | | | | | | | | | |
|---|---|--------------------------|------------------------------------------|-----------------------------------------------------------|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| A | | <input type="checkbox"/> | A OPTIONAL <i>optionnel</i> | A CONTROLLO PRODOTTO <i>contrôle produit</i> | | | | | | |
| B | | <input type="checkbox"/> | B OPTIONAL <i>optionnel</i> | B GRUPPO PROSPETTO <i>groupe notice</i> | | | | | | |
| C | | <input type="checkbox"/> | C OPTIONAL <i>optionnel</i> | C CONTROLLO PROSPETTO <i>contrôle notice</i> | | | | | | |
| D | | <input type="checkbox"/> | D OPTIONAL <i>optionnel</i> | D CARICO MASSIMO <i>charge maximum</i> | | | | | | |
| E | | <input type="checkbox"/> | E OPTIONAL <i>optionnel</i> | E SCARTO USCITA <i>expulsion à la sortie</i> | | | | | | |
| F | | | | | | | | | | |
| G | | | | | | | | | | |
| H | | | | | | | | | | |
| I | | | | | | | | | | |
| J | | | | | | | | | | |



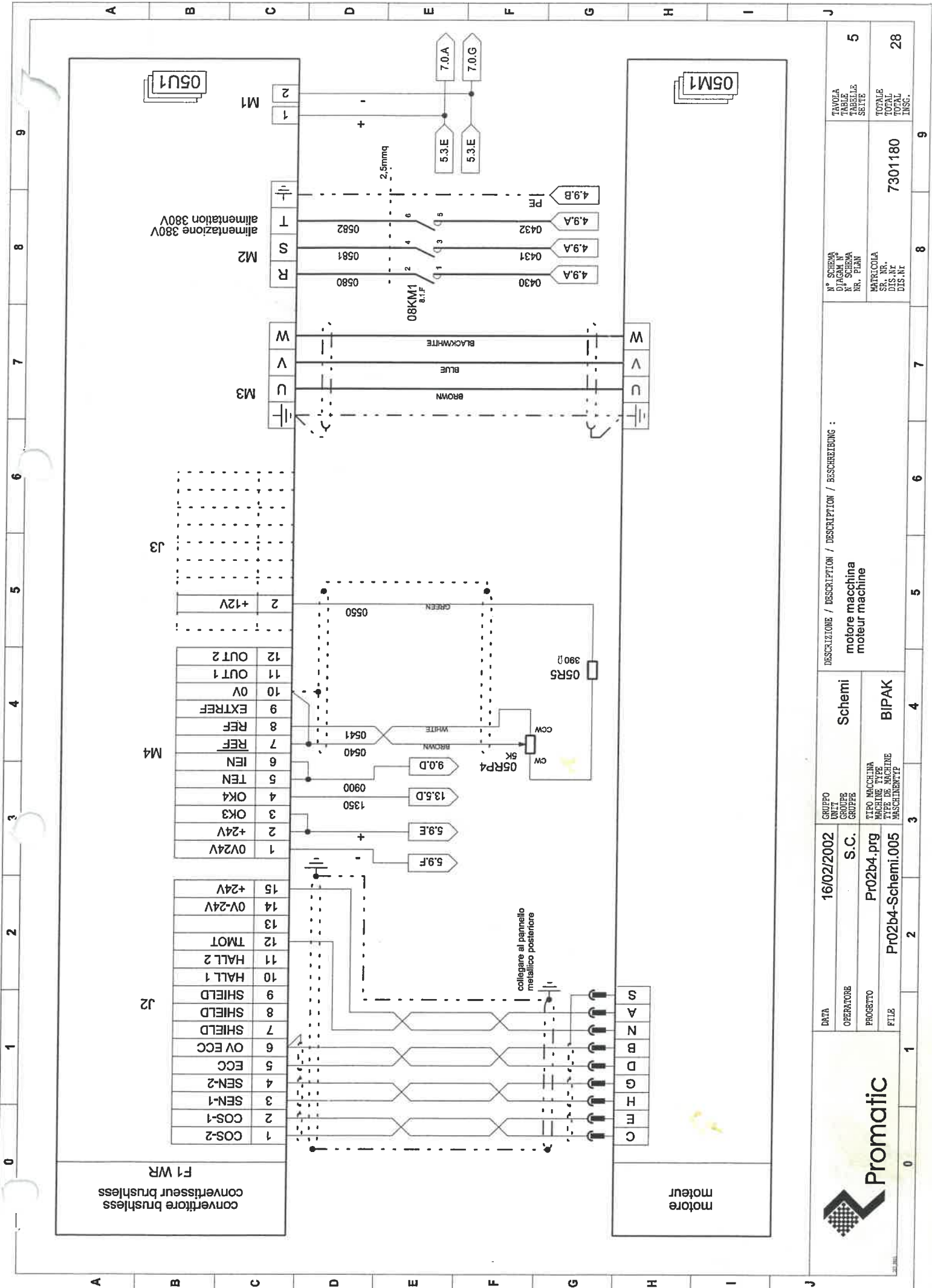
Promatic

| | |
|-----------|-------------------|
| DATA | 16/02/2002 |
| OPERATORE | S.C. |
| PROGETTO | Pr02b4.prg |
| FILE | Pr02b4-Schemi.003 |

| | |
|------------------------------------------------------------------|--------|
| GRUPPO UNT. GROUPE GRUPPE | Schemi |
| TIPO MACCHINA MACHINE TYPE TYPE DE MACHINE MASCHINENTYP | BIPAK |

DESCRIZIONE / DESCRIPTION / DESCRIPTION / BESCHREIBUNG :
 opzioni presenti
 groupes optionnels présents

| | |
|--------------------------------------------------|---------|
| N° SCHEMA DIAGRAM N° N° SCHEMA NR. PLAN | 3 |
| MATRICOLA SS. NR. D.S. NR. DIS. NR. | 7301180 |
| TAVOLA TABLE TABLEAU SEITE | 9 |
| TOTALE TOTAL TOTAL INSG. | 28 |



DATA: 16/02/2002
 OPERATORE: S.C.
 PROGETTO: Pr02b4-prg
 FILE: Pr02b4-Schemi.005

GRUPPO UNIT: Schemi
 GRUPE GRUPE: BIPAK
 TIPO MACCHINA: BIPAK
 MACCHINE TYPE: BIPAK
 MASCHINENTYP: BIPAK

DESCRIZIONE / DESCRIPTION / BESCHREIBUNG :
 motore macchina
 moteur machine

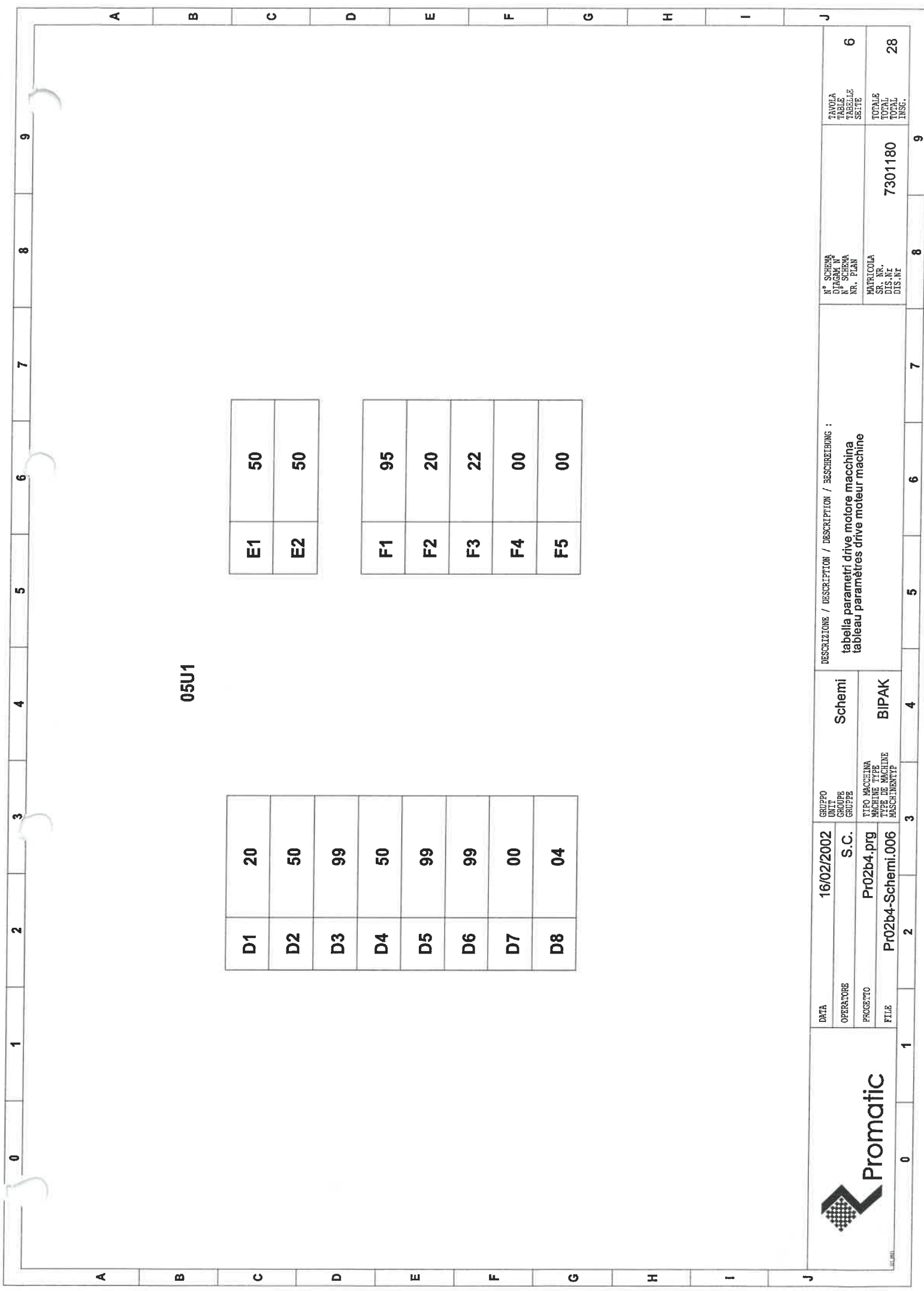
| | |
|--------------------------------------------------------------|---------|
| N° SCHEMA DIAGRAM N° X# SCHEMA NR. PLAN | 5 |
| MATRICOLO SR. NR. TOTAL DIS. NT TOTAL DIS. NT | 7301180 |
| TAVOLA TABLE TABELLE SEITE | 28 |

A B C D E F G H I J

A B C D E F G H I J

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9



05U1

| | |
|----|----|
| D1 | 20 |
| D2 | 50 |
| D3 | 99 |
| D4 | 50 |
| D5 | 99 |
| D6 | 99 |
| D7 | 00 |
| D8 | 04 |

| | |
|----|----|
| E1 | 50 |
| E2 | 50 |

| | |
|----|----|
| F1 | 95 |
| F2 | 20 |
| F3 | 22 |
| F4 | 00 |
| F5 | 00 |



Promatic

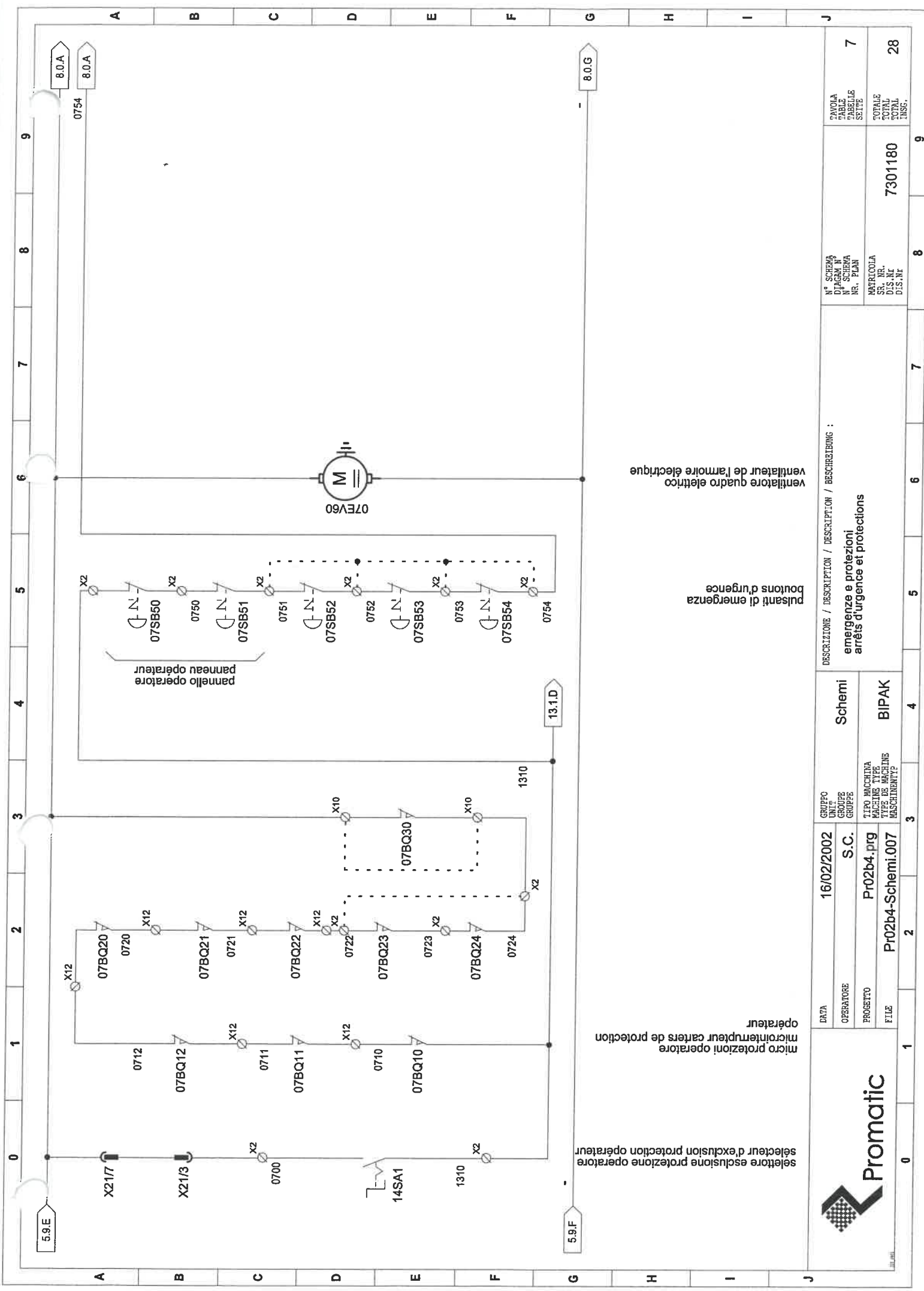
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|-----------|-------------------|
| DATA | 16/02/2002 |
| OPERATORE | S.C. |
| PROGETTO | Pr02b4.prg |
| FILE | Pr02b4-Schemi.006 |

| | |
|------------------------------------------------------------------|--------|
| GRUPPO UNIT GROUPE GRUPPE | Schemi |
| TIPO MACCHINA MACHINE TYPE TYPE DE MACHINE MASCHINENTYP | BIPAK |

DESCRIZIONE / DESCRIPTION / DESCRIPTION / BESCHREIBUNG :
 tabella parametri drive motore macchina
 tableau paramètres drive moteur machine

| | |
|--------------------------------------------------|---------|
| N° SCHEMA DIAGRAM N° N° SCHEMA NR. PLAN | 6 |
| MATRICOLO SR. NR. DIS.NR DIS.NR | 7301180 |

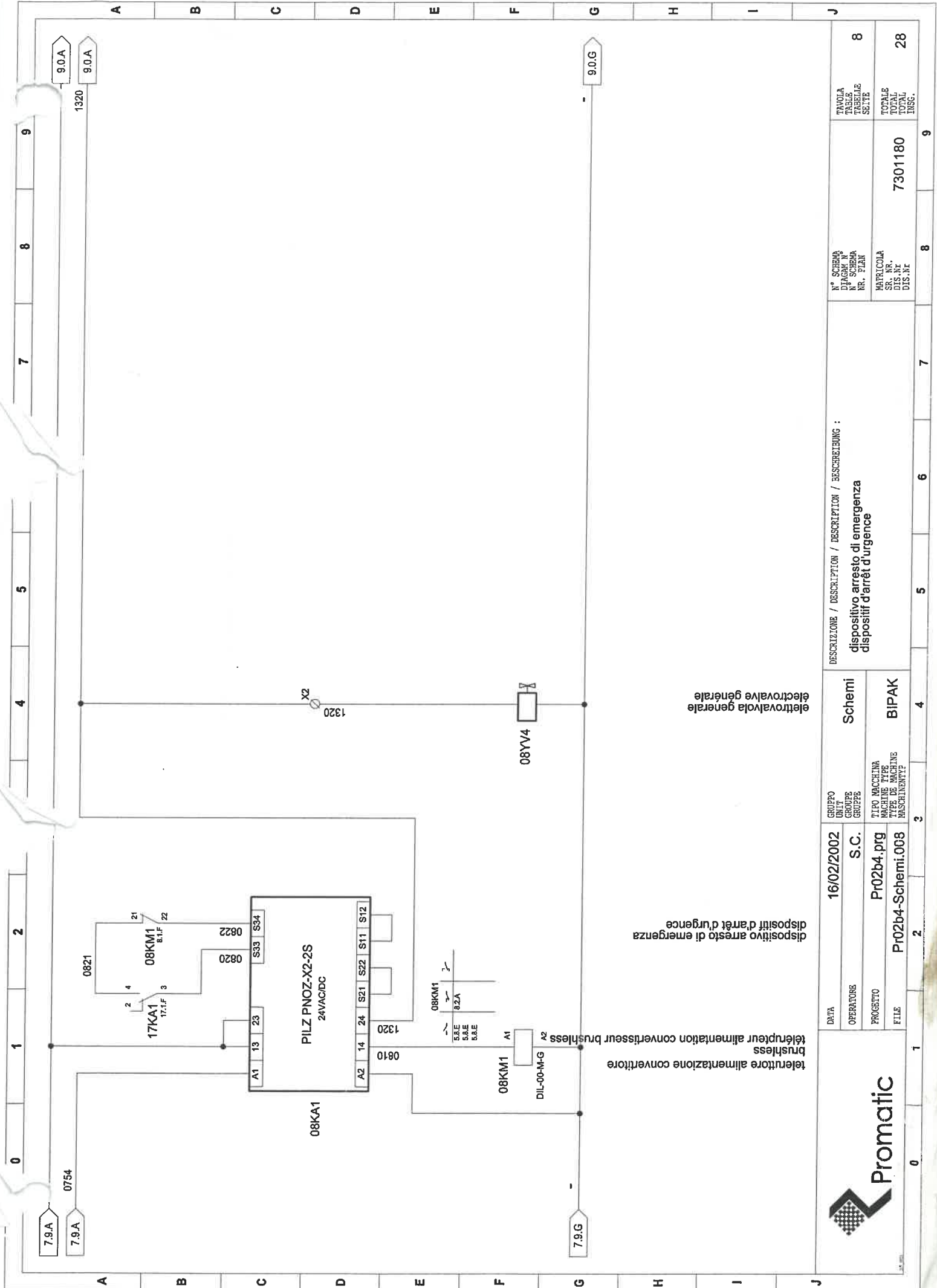
| | |
|-------------------------------------|----|
| TAVOLA TABLE TABELLE SEITE | 6 |
| TOTALE TOTAL TOTAL INSG. | 28 |



selectore d'esclusion protectione operatore
 microinterrupteur cariers de protection
 operateur

pulsanti d'emergenza
 ventilatore quadro elettrico

| | | | | | | |
|--|-------------------|--------------|-------------------------------------------|--|-----------|---------|
| | DATA | GRUPPO | DESCRIZIONE / DESCRIPTION / DESCRIPTION : | | N° SCHEMA | TAVOLA |
| | OPERATORE | UNIT. | emergenze e protezioni | | DTAGAN | TABELE |
| | PROGETTO | GRUPPE | arrets d'urgence et protections | | N° SCHEMA | TABELLE |
| | FILE | MASCHINENTYP | BIPAK | | MR. PLAN | SEITE |
| | 16/02/2002 | S.C. | | | MATRICOLA | TOTALE |
| | Pr02b4-prg | | | | Sr. Nr. | TOTAL |
| | Pr02b4-Schemi.007 | | | | DIS. Nr. | TOTUL |
| | | | | | DIS. Nr. | INSG. |
| | | | | | 7301180 | 28 |
| | | | | | 7 | 9 |




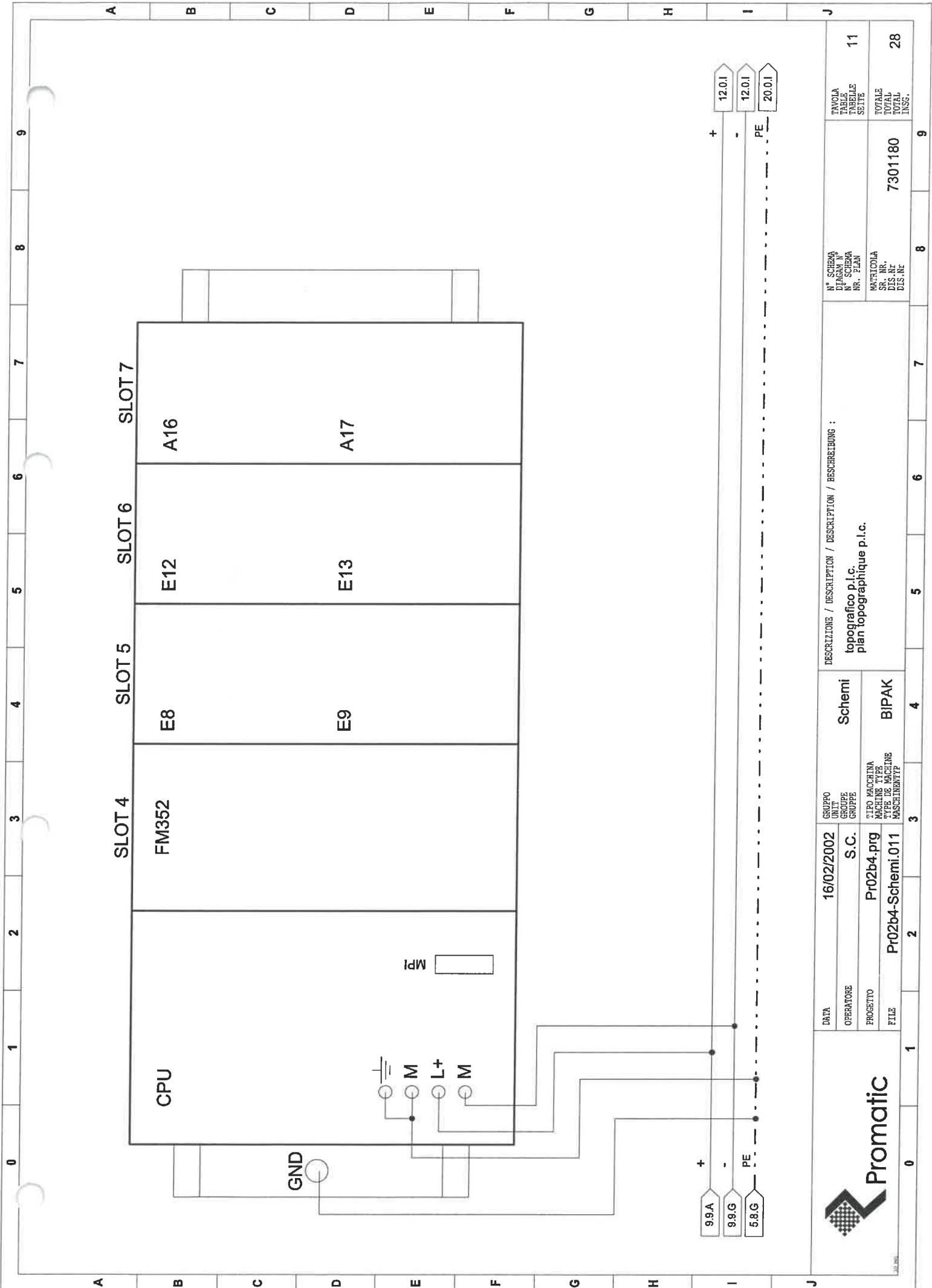
teletruttore alimentazione convertitore
brushless
télétruteur alimentation convertisseur brushless

dispositivo arresto di emergenza
dispositif d'arrêt d'urgence

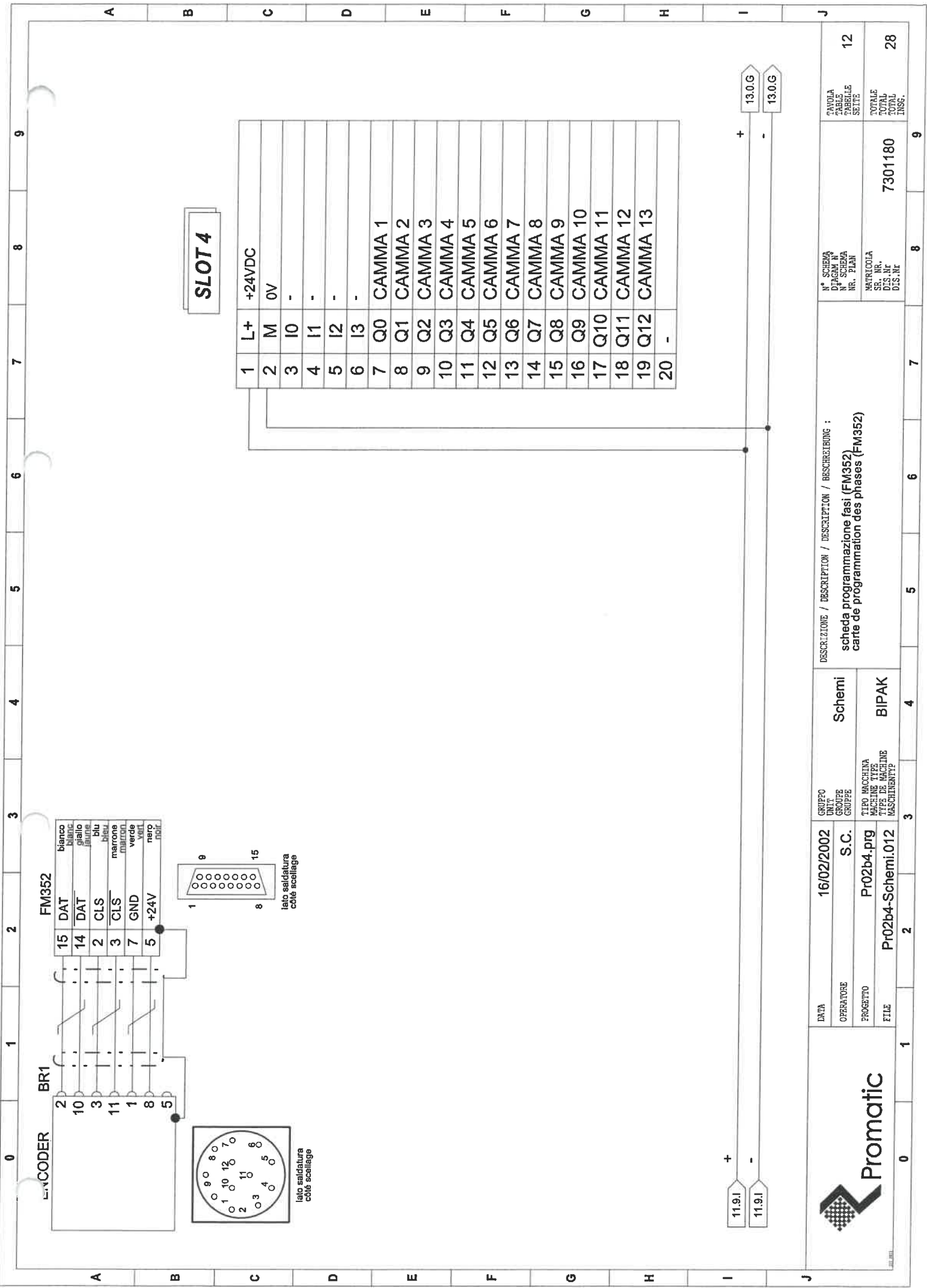
elettravvolta generale
electrovalve générale

| | | | | | | | | | | | | |
|---------------------------------------------------------------------------------------|-----------|-------------------|-----------------|--|--|--|--|------------------------------------------------------------------|--|--|---------|----|
|  | DATA | 16/02/2002 | GRUPPO UNIT | | | | | DESCRIZIONE / DESCRIPTION / BESCHREIBUNG : | | | TAVOLA | 8 |
| | OPERATORE | S.C. | GRUPPE | | | | | dispositivo arresto di emergenza dispositif d'arrêt d'urgence | | | TABLE | |
| | PROGETTO | Pr02b4.prg | GRUPPE | | | | | dispositivo arresto di emergenza dispositif d'arrêt d'urgence | | | TABELLE | |
| | FILE | Pr02b4-Schemi.008 | GRUPPE | | | | | dispositivo arresto di emergenza dispositif d'arrêt d'urgence | | | SEITE | 28 |
| | | | TIPO MACCHINA | | | | | | | | TOTALE | |
| | | | TYPE DE MACHINE | | | | | | | | TOTAL | |
| | | | MASCHINENTYP | | | | | | | | TOTAL | |
| | | | | | | | | | | | INSG. | |
| | | | | | | | | | | | | |

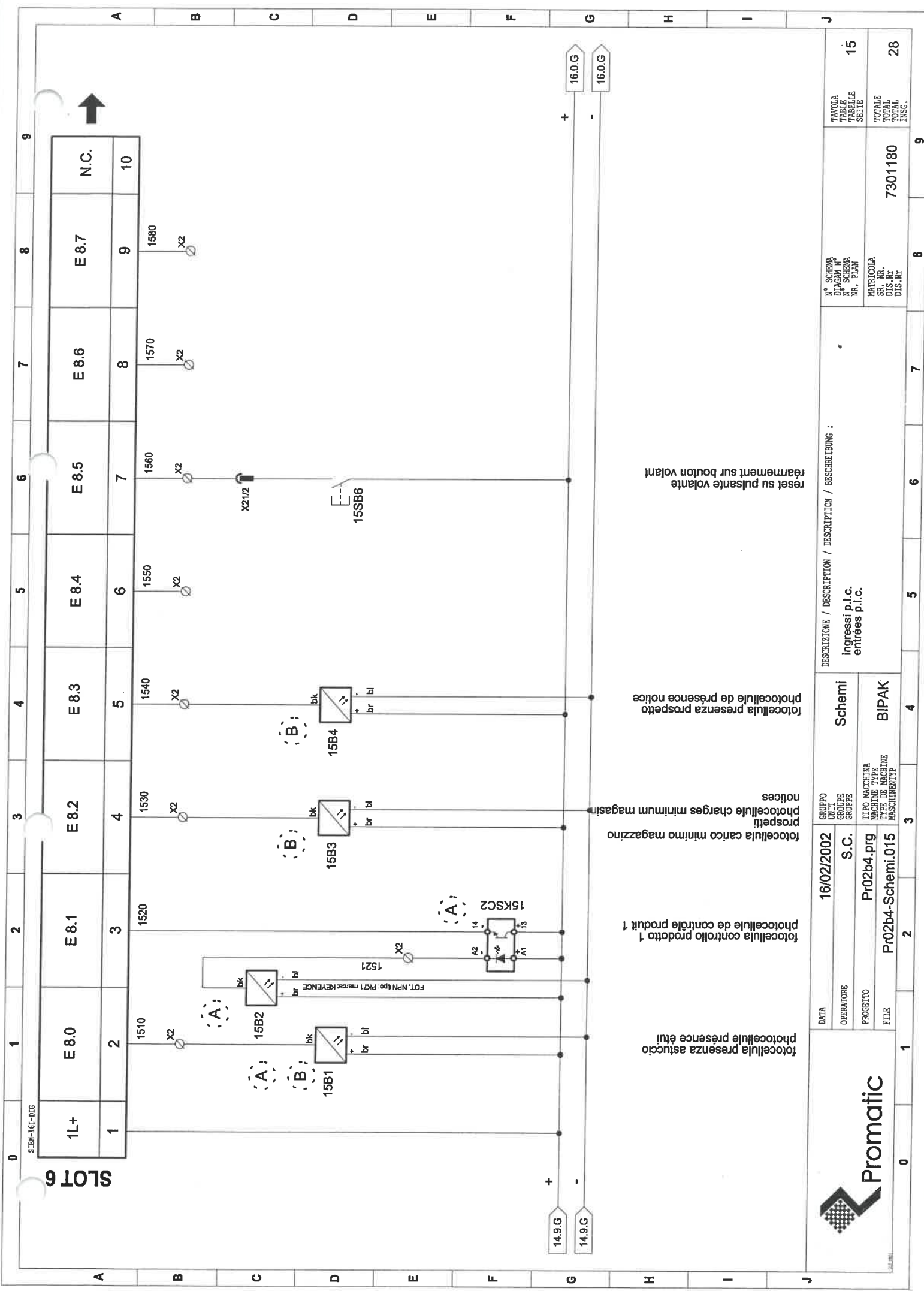
| | | | | | | | | | | | |
|---------------------------------------------------------------------------------------|---|---------------------------------|---|------------------------------------------------------------------|---|--------|---|------------------------------------------------------------------------------------------------------|---|-------------------------------------|----|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| A | B | C | D | E | F | G | H | I | J | | |
|  | | | | | | | | | | | |
| DATA OPERATORE | | 16/02/2002 S.C. | | GRUPPO ORCT GROUPE GROUPE | | Schemi | | DESCRIZIONE / DESCRIPTION / DESCRIPTION / BESCHREIBUNG : tavola disponibile tableau disponible | | TAVOLA TABLE TABELLE SETLE | 10 |
| PROGETTO FILE | | Pr02b4.prg Pr02b4-Schemi.010 | | TIPO MACCHINA MACHINE TYPE TYPE DE MACHINE MASCHINENTYP | | BIPAK | | MATRICOLA SR. NR. DES.NF DES.NF | | TOTALE TOTAL TOTAL INSG. | 28 |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| A | B | C | D | E | F | G | H | I | J | | |



| | | | | |
|-----------|--------------------------------------------------------------------|--------------------------------------------|------------------------|---------|
| DATA | GRUPPO UNIT | DESCRIZIONE / DESCRIPTION / BESCHREIBUNG : | N° SCHEMA DINAM. N° | TAVOLA |
| OPERATORE | GRUPPE | topografico p.l.c. | N° SCHEMA | TABLE |
| PROGETTO | GRUPPE | plan topographique p.l.c. | NR. PLAN | TABELLE |
| FILE | TITOLO MACCHINA MACHINE TYPE TYPE DE MACHINE MASCHINENTYP | Schemi | MATRICOLO | SEITE |
| | 16/02/2002 | | SR. NR. | TOTALE |
| | S.C. | | DES-NT | TOTAL |
| | Pr02b4-prg | | DES-NT | TOTAL |
| | Pr02b4-Schemi.011 | | INSG. | INSG. |
| | | | 7301180 | 11 |
| | | | 28 | 28 |



| | | | | | | | | | | |
|---|---|-----------|-------------------|----------------------------------------------------------|-------|----------------------------------------------------------|---|---|--------------------------------------------|---------|
| | | DATA | 16/02/2002 | GRUPPO UNIT | S.C. | DESCRIZIONE / DESCRIPTION / DESCRIPTION / BESCHREIBUNG : | | | N° SCHEMA DIAGRAM N° SCHEMA NR. PLAN | 12 |
| | | OPERATORE | | | | scheda programmazione fasi (FM352) | | | TAVOLA TABLE TABULE SETTE | |
| | | PROGETTO | Pr02b4-prg | TIPO MASCHINA MASCHINE TYPE TYPE DE MACHINE MASCHINENTYP | BIPAK | carte de programmation des phases (FM352) | | | MATRICOLOA SS. NR. DIS. NR. DIS. NR. INSS. | 28 |
| | | FILE | Pr02b4-Schemi.012 | | | | | | TOTALE TOTAL TOTAL INSS. | 7301180 |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 9 |



reset su pulsante volante
réarmement sur bouton volant

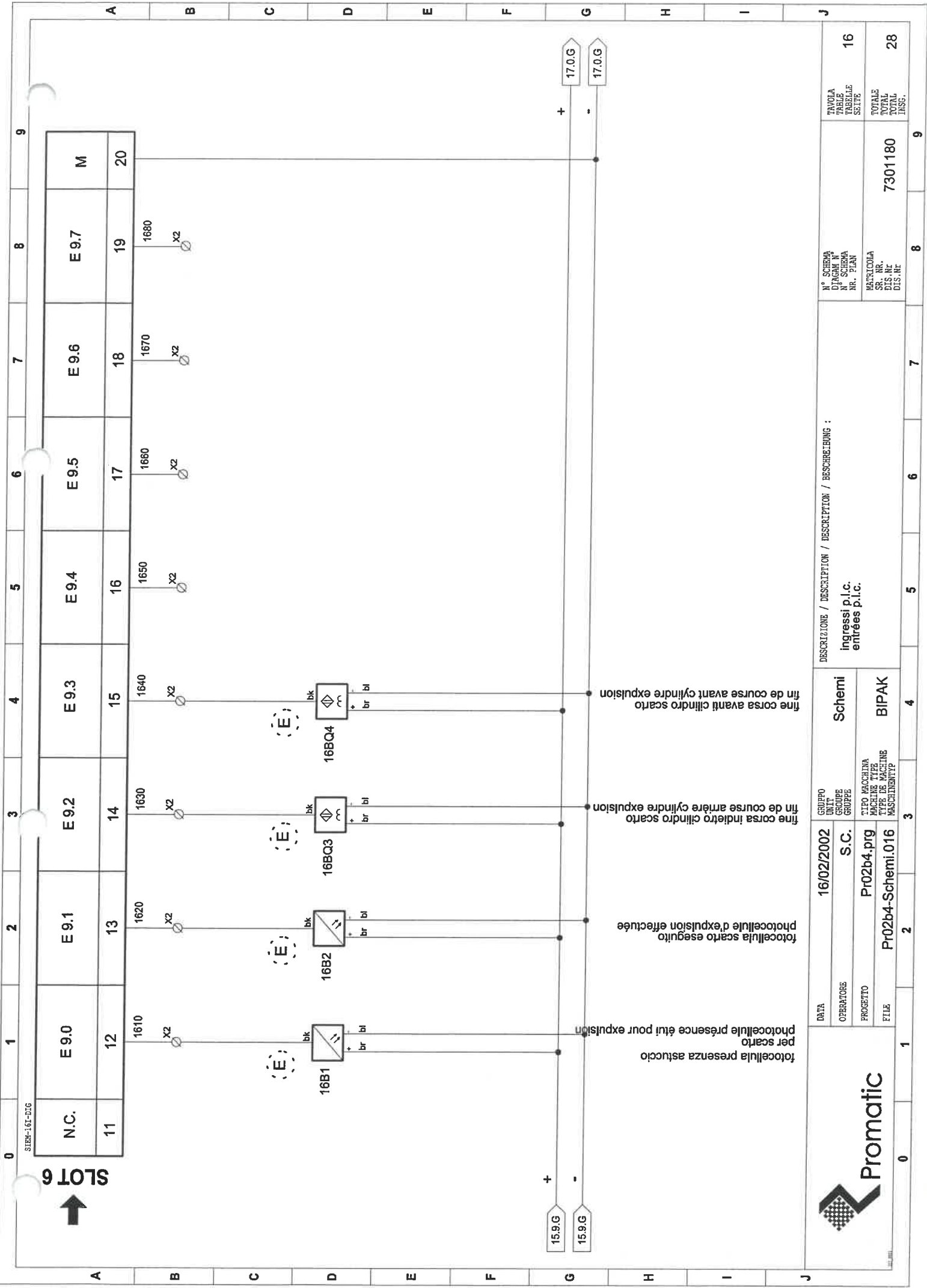
fotocellula presenza prospetto
photocellule de présence notice

fotocellula carico minimo magazzino
photocellule charges minimum magasin

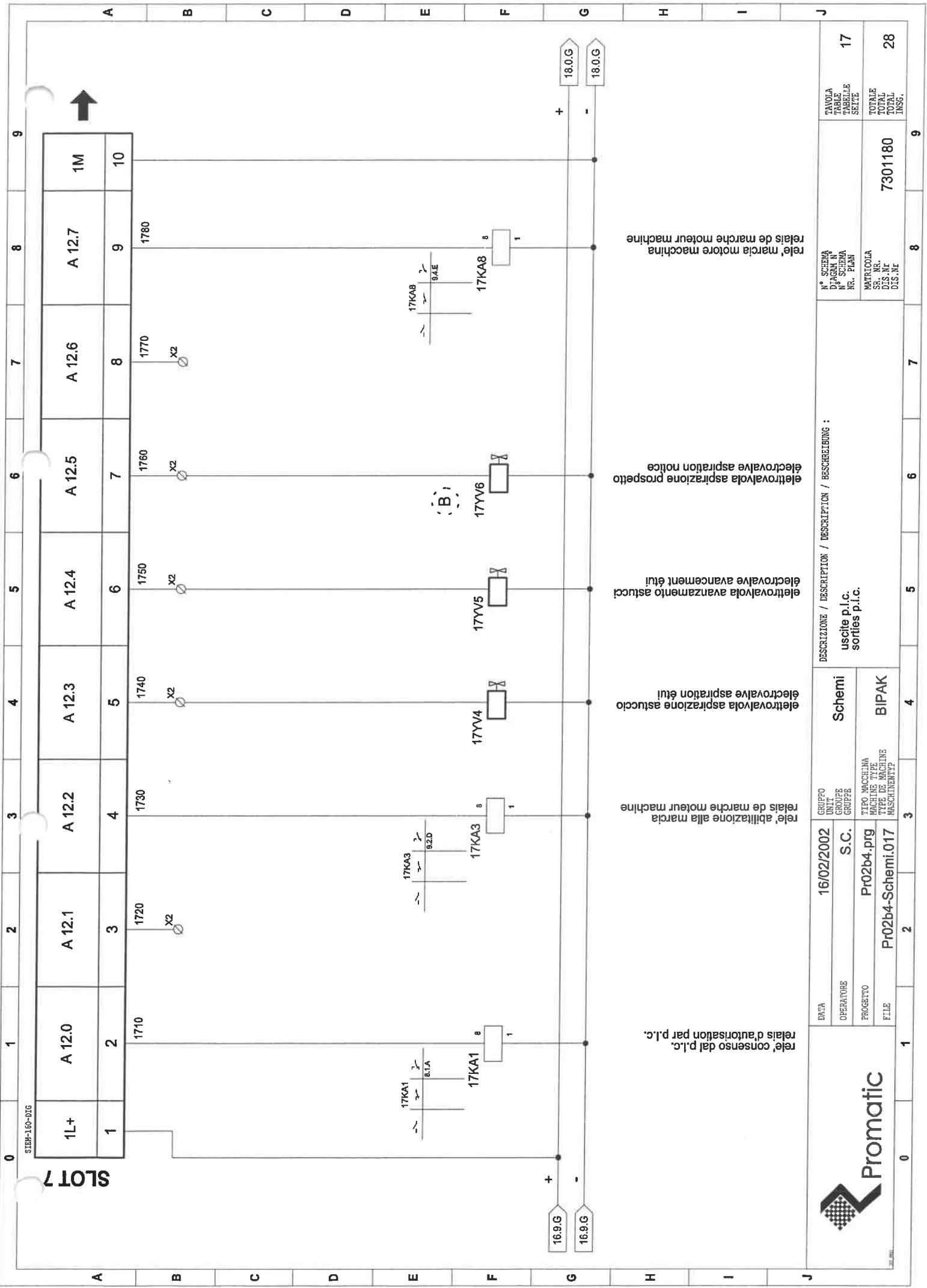
fotocellula controllo prodotto 1
photocellule de contrôle produit 1

fotocellula presenza étui
photocellule présence étui

| | | | | | | | |
|--|--|-------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------|----|
| | | DATA OPERATORE PROGETTO FILE | GRUPPO UNIT GROUPE GROUPE | SCHEMI BIPAK | DESCRIZIONE / DESCRIPTION / BESCHREIBUNG : ingressi p.l.c. entrees p.l.c. | N° SCHEMA DIAGRAMMA N° SCHEMA NR. PLAN | 15 |
| | | 16/02/2002 S.C. Pr02b4-prg Pr02b4-Schemi.015 | 16/02/2002 S.C. Pr02b4-prg Pr02b4-Schemi.015 | fotocellula presenza prospetto photocellule de présence notice fotocellula carico minimo magazzino photocellule charges minimum magasin fotocellula controllo prodotto 1 photocellule de contrôle produit 1 fotocellula presenza étui photocellule présence étui | * | MATRICOLA SR. NR. DIS. NR. DIS. NR. | 28 |
| | | | | | | 7301180 | 9 |
| | | | | | | TOTAL TOTAL INSR. INSR. | 28 |

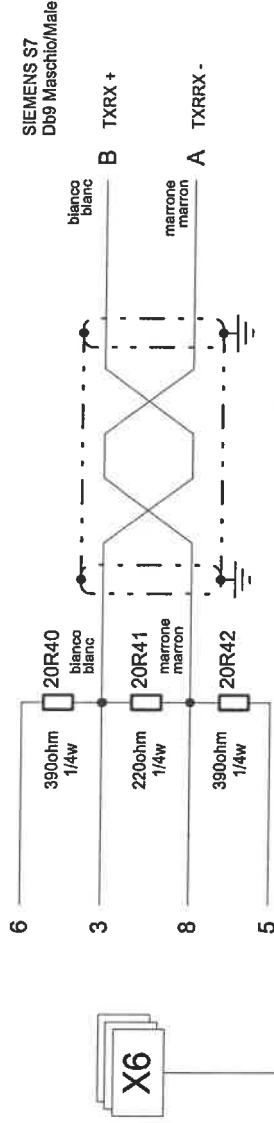


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|----------|--|------------|-------------------|--------------------------------------------|--|------------|--------|
| | | DATA | GRUPPO UNIT | DESCRIZIONE / DESCRIPTION / BESCHREIBUNG : | | N° SCHEMA | TAVOLA |
| | | OPERATORE | GROUPE | ingressi p.l.c. | | DIAGRAM N° | TABELE |
| PROGETTO | | 16/02/2002 | S.C. | Schemi | | NR. PLAN | 16 |
| FILE | | Pr02b4.prg | Pr02b4-Schemi.016 | BIPAK | | MATRICOLA | TOTALE |
| | | | | | | SR. NR. | TOTAL |
| | | | | | | DIS. NR. | FORAL |
| | | | | | | DIS. NR. | INSS. |
| | | | | | | 7301180 | 9 |
| | | | | | | 28 | 9 |

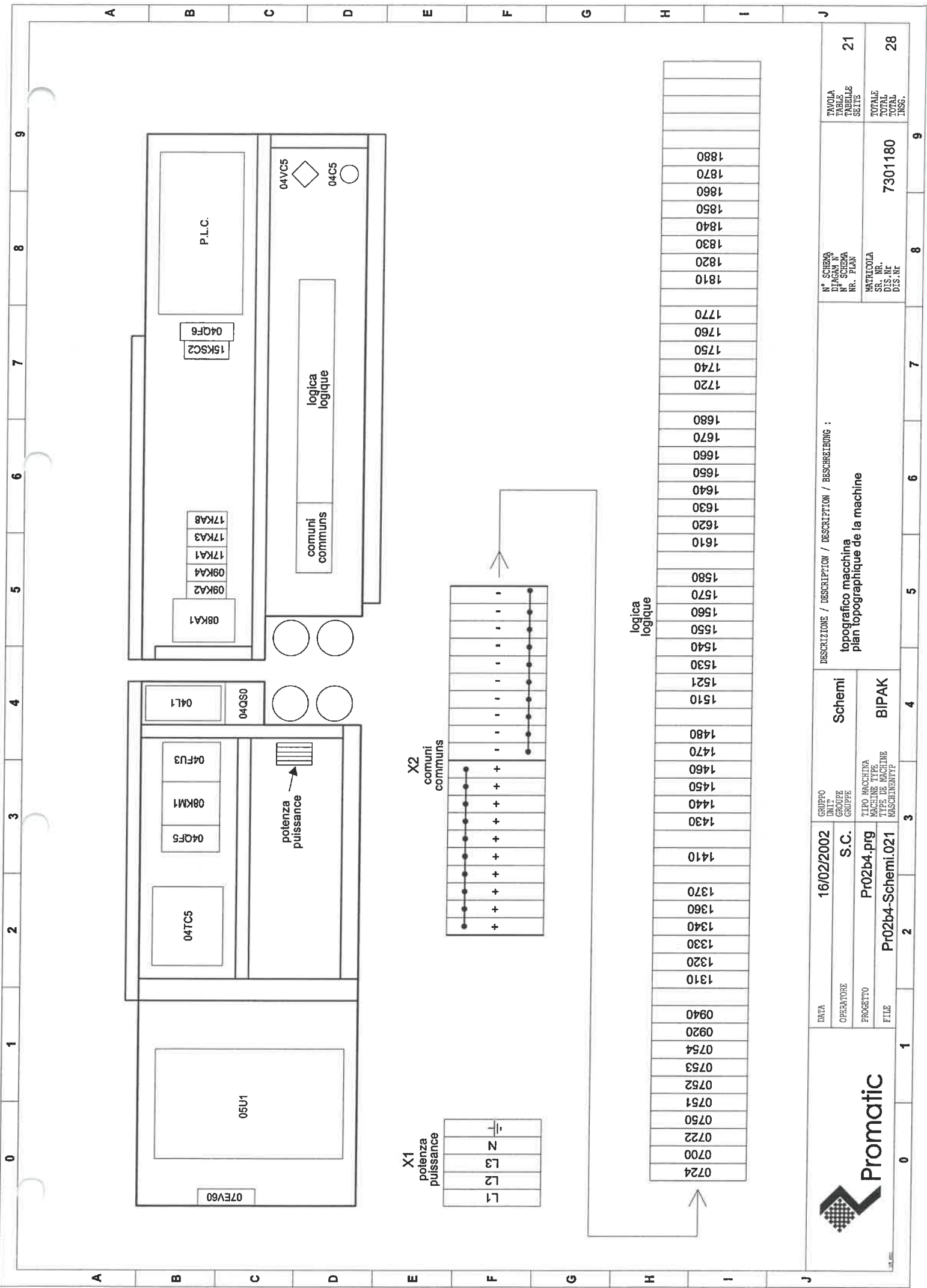


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|-----------|-------------------|---------------------------------------------------------|------------|--------------------------------------------|------------------------------------|--------------------------|----|
| DATA | 16/02/2002 | GRUPPO UNIT | S.C. | DESCRIZIONE / DESCRIPTION / BESCHREIBUNG : | N° SCHEMA D'AGM N° SCHEMA NR. PLAN | TAVOLA TABLE TABLE SELFE | 17 |
| OPERATORE | | TIPO MACCHINA MACHINE TYPE TYPE DE MACHINE MASCHINENTYP | Pr02b4-prg | uscite p.l.c. sorties p.l.c. | MATRICOLO SR. NR. DES. NR. DIS. NF | TOTALE TOTAL INSG. | 28 |
| PROGETTO | Pr02b4-Schemi.017 | | | | | | |
| FILE | | | | | | | |


cavo di collegamento p.i.c. con pannello operat.
câble de liaison p.i.c. avec panneau opérateur




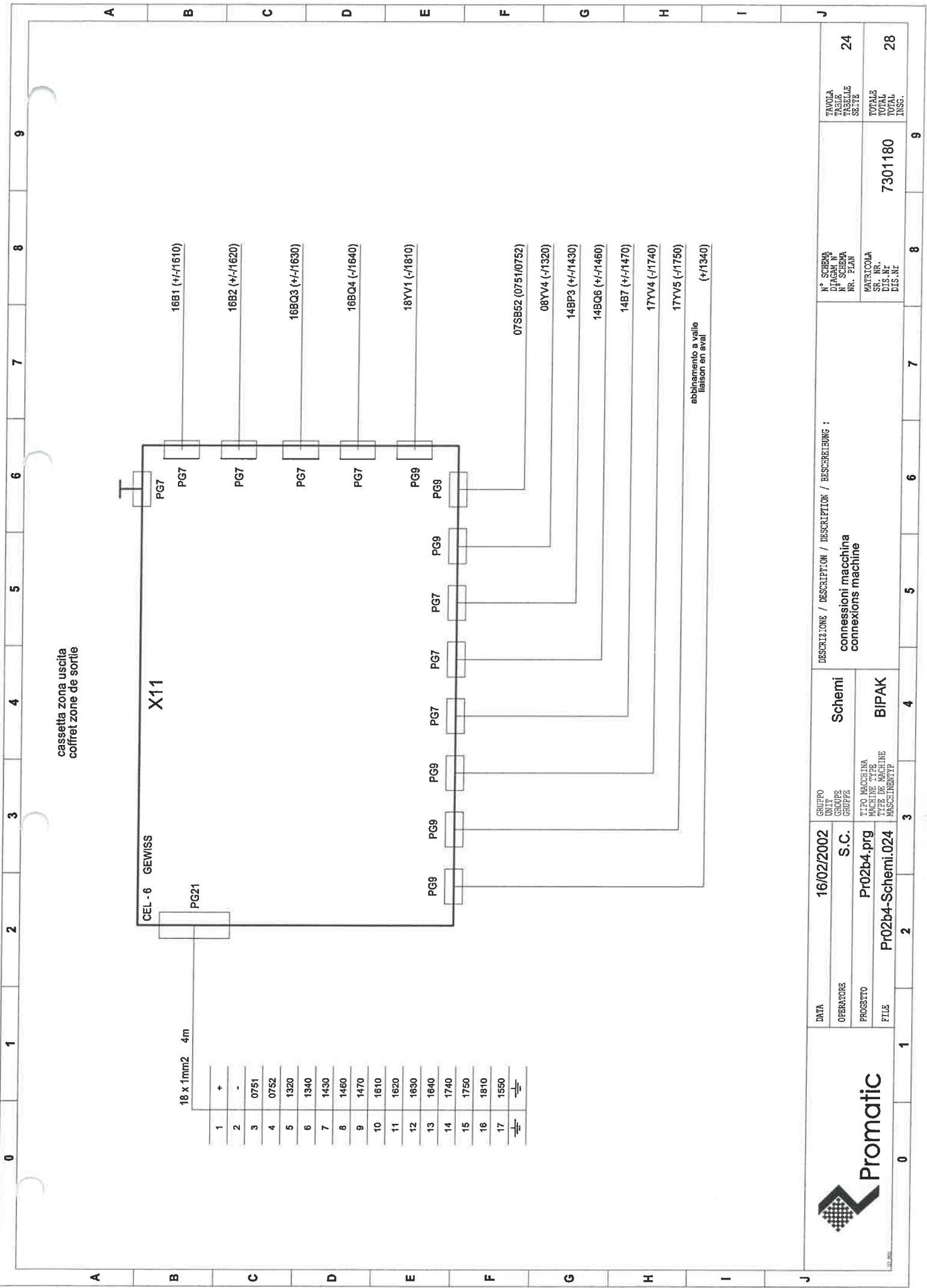
| | | | | | | | | | |
|-----------|------------|---------------|-------------------|--------------------------------------------|-------------------------------|--|-----------------------------------------------|---------|-------------------------------------------|
| DATA | 16/02/2002 | GRUPPO UNIT | S.C. | DESCRIZIONE / DESCRIPTION / BESCHREIBUNG : | touch-screen écran tactile | | N° SCHEMA DIAGRAM N° SCHEMA MR. PLAN | 20 | TAVOLA TABLE TABELLE SELTE |
| OPERATORE | Pr02b4-ptg | TITO MACCHINA | Pr02b4-Schemi.020 | | | | MATRICOLO SR. NR. DIS. NR. | 7301180 | TOTALE TOTAL TOTAL ANZ. INGG. |
| PROGETTO | | MACHINE TYPE | | | | | DIS. NR. | | 28 |
| FILE | | MACHINE TYPE | | | | | DIS. NR. | | |



| | | | | | | | | |
|------|------|------|------|------|------|------|------|------|
| 0940 | 0920 | 0754 | 0753 | 0752 | 0751 | 0750 | 0722 | 0724 |
| 1310 | 1320 | 1330 | 1340 | 1360 | 1370 | 1410 | 1430 | 1440 |
| 1440 | 1450 | 1460 | 1470 | 1480 | 1510 | 1521 | 1530 | 1540 |
| 1550 | 1560 | 1570 | 1580 | 1610 | 1620 | 1630 | 1640 | 1650 |
| 1660 | 1670 | 1680 | 1720 | 1740 | 1750 | 1760 | 1770 | 1810 |
| 1820 | 1830 | 1840 | 1850 | 1860 | 1870 | 1880 | | |

| | | | | | | | |
|---------------------------------------------------------------------------------------|-----------|-------------------|-----------------------------|--------|--------------------------------------------|--------------------|---------|
|  | DATA | 16/02/2002 | GRUPPO UNIT | Schemi | DESCRIZIONE / DESCRIPTION / BESCHREIBUNG : | N° SCHEMA DIAGRAMA | 21 |
| | OPERATORE | S.C. | GRUPPE GRUPPE | | topografico macchina | N° SCHEMA NR. PLAN | |
| | PROGETTO | Pr02b4.ptg | TIPO MACCHINA MACCHINE TYPE | BIPAK | plan topographique de la machine | MATRICOOLA SS. NR. | 28 |
| | FILE | Pr02b4-Schemi.021 | MASCHINENTYP | | | TOTAL TOTAL INSC. | 7301180 |

| | | | | | | | | | | |
|---------------------------------------------------------------------------------------|---|---------------------------------|---|------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------|---|--------------------------------------------------|---|--------------------------------------|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| A | B | C | D | E | F | G | H | I | J | |
|  | | | | | | | | | | |
| DATA OPERATORE | | 16/02/2002 S.C. | | GRUPPO UNIT GROUPE GROUPE | | DESCRIZIONE / DESCRIPTION / DESCRIPTION / BESCHREIBUNG : tavola disponibile tableau disponible | | N° SCHEMA DIAGRAM N° N° SCHEMA NR. PLAN | | TAVOLA TABLE ASSEMBLÉ SEITE |
| PROGETTO FILE | | Pr02b4-prg Pr02b4-Schemi.022 | | TIPO MACCHINA MACHINE TYPE TYPE DE MACHINE MASCHINENTYP | | Schemi BIPAK | | MATRICOLA SR. NR. DIS. NR. DIS. NR. | | 22 28 |
| 1 2 3 4 5 6 7 8 9 | | | | | | | | | | |
| A B C D E F G H I J | | | | | | | | | | |



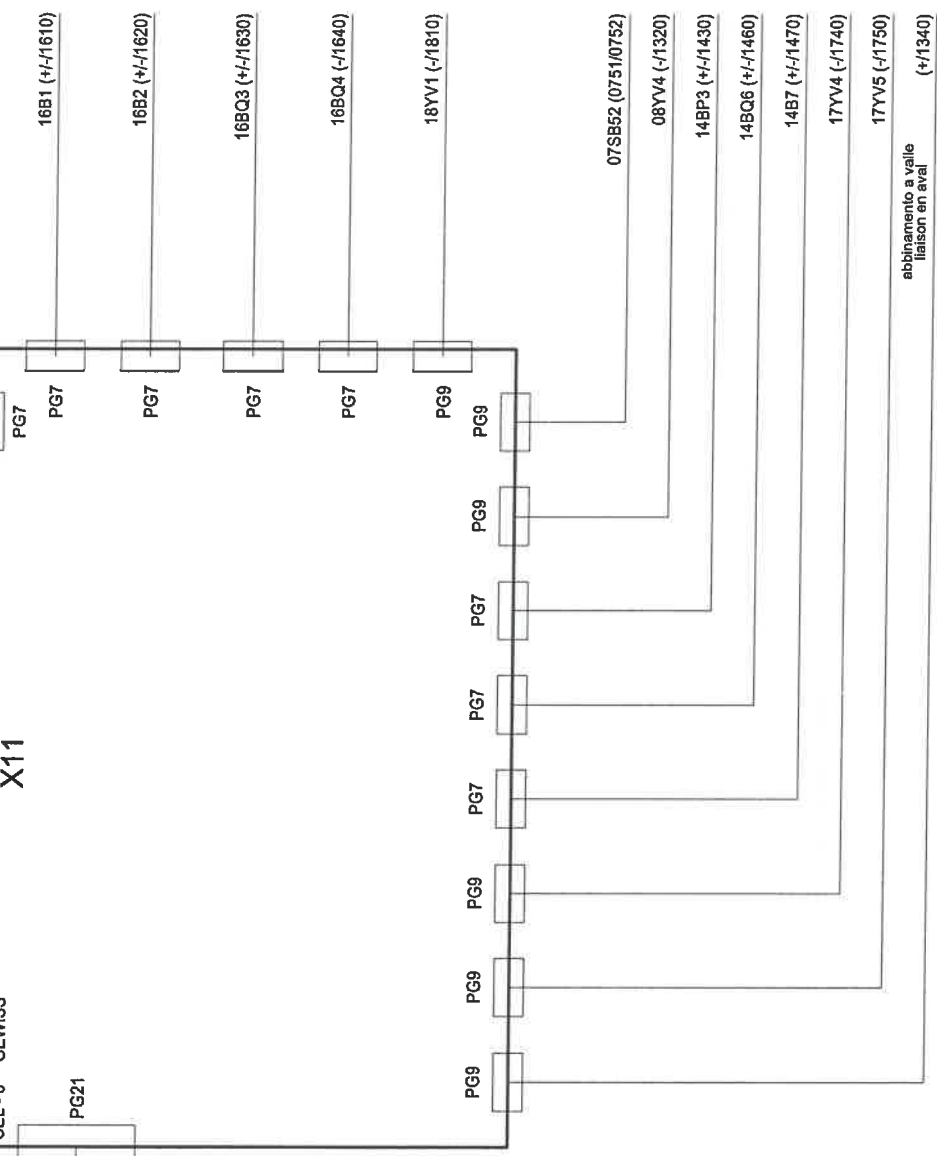
cassetta zona uscita
coffret zone de sortie

CEL - 6 GEWISS

X11

18 x 1mm² 4m

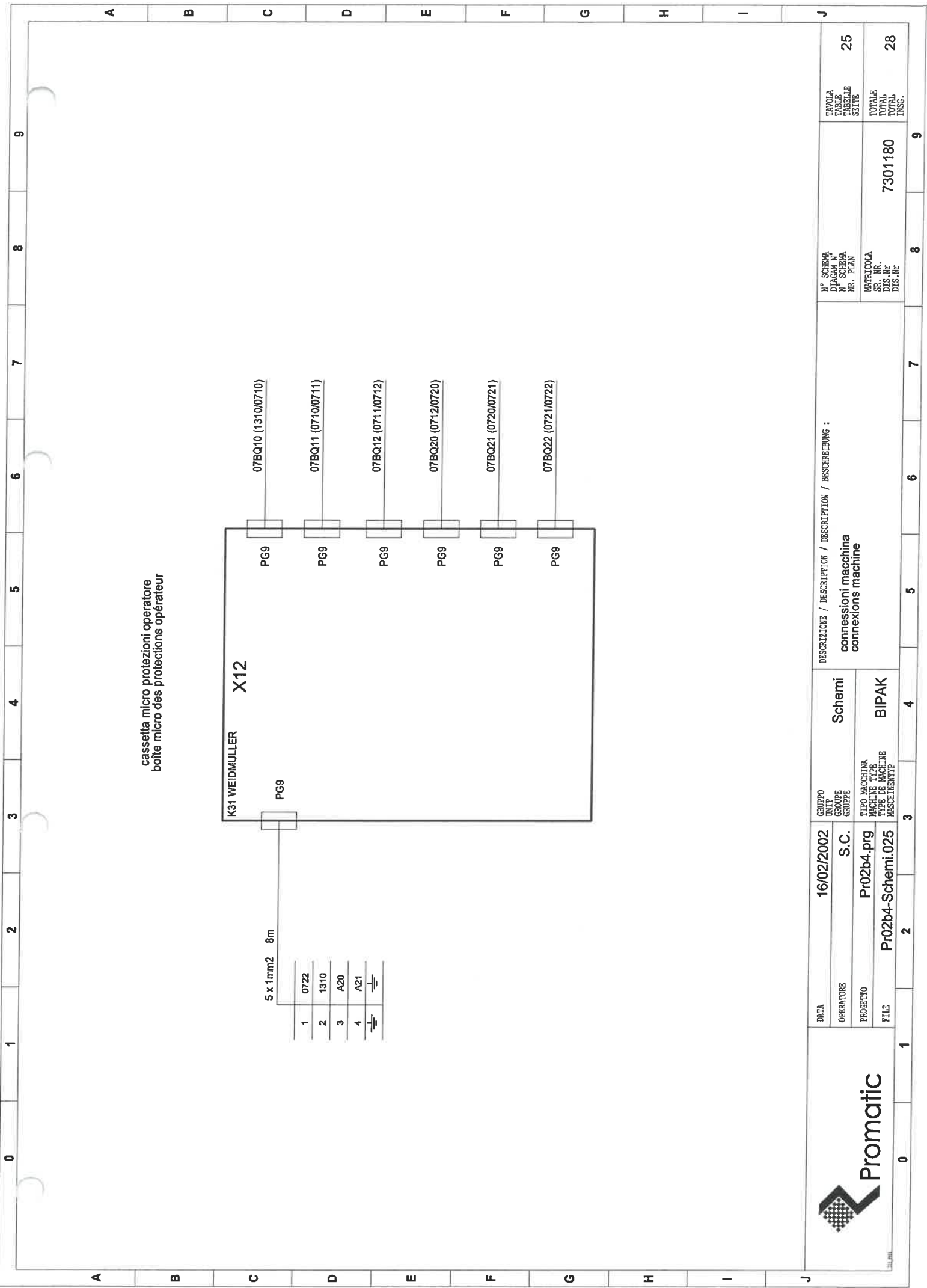
PG21



abbinamento a valle
liaison en aval (+/-1340)



| | | | | | |
|---------------------------|-------------------|--------------------------------------------|--|--------------------------------------|---------|
| GRUPPO UNIT GROUPE GROUPE | 16/02/2002 | DESCRIZIONE / DESCRIPTION / BESCHREIBUNG : | | TAVOLA TABLE TABELLE SEITE | 24 |
| OPERATORE | S.C. | connessioni macchina connexions machine | | N° SCHEMA DIAGRAM N° SCHEMA MR. PLAN | 7301180 |
| PROGETTO | Pr02b4.prg | Schemi | | MATRICOLO SR. NR. | 28 |
| FILE | Pr02b4-Schemi.024 | BIPAK | | TOTALE TOTAL TOTAL INSS. | 9 |
| | | | | | 8 |
| | | | | | 7 |
| | | | | | 6 |
| | | | | | 5 |
| | | | | | 4 |
| | | | | | 3 |
| | | | | | 2 |
| | | | | | 1 |
| | | | | | 0 |



cassetta micro protezioni operatore
boîte micro des protections opérateur


K31 WEIDMULLER X12

| | | |
|--------------------------------------------------|-------------------------------------|---------|
| N° SCHEMA DIAGRAM N° N° SCHEMA NR. PLAN | TAVOLA TABLE TABLELLE SITE | 25 |
| MATRICOOLA SS. NR. DIS. NF. DIS. NF. | TOTALE TOTAL TOTAL INSG. | 7301180 |

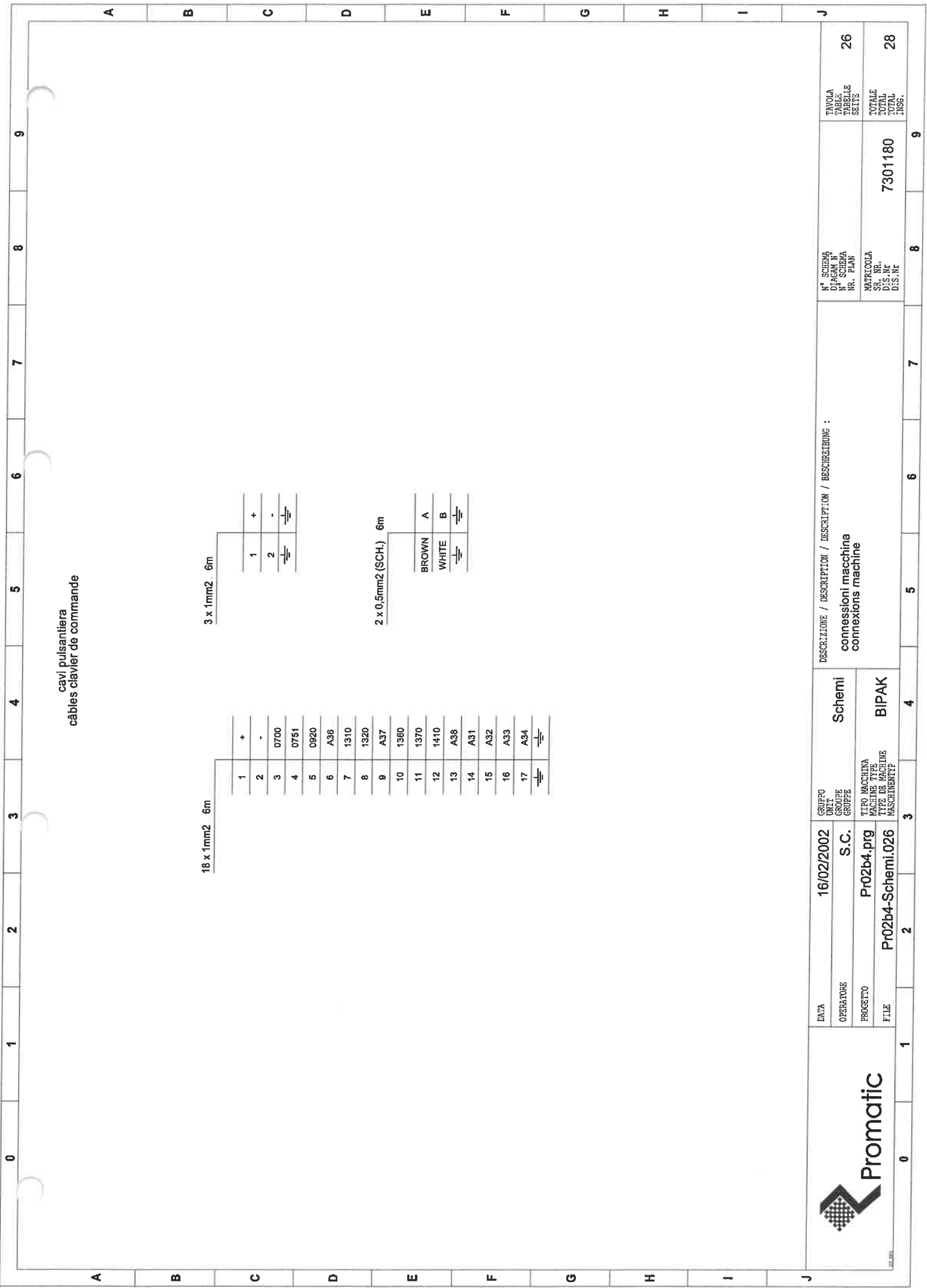
DESCRIZIONE / DESCRIPTION / DESCRIPTION / BESCHREIBUNG :
connessioni macchina
connexions machine

| | | |
|-----------------------------------------------------------------|--------|---|
| GRUPPO UNIT GROUPE GRUPPE | Schemi | 4 |
| TIPO MACCHINA MACHINE TYPE TYPE DE MACHINE MACHINE-TYP | BIPAK | 4 |

| | | |
|-----------|-------------------|---|
| DATA | 16/02/2002 | 3 |
| OPERATORE | S.C. | 3 |
| PROGETTO | Pr02b4-prg | 2 |
| FILE | Pr02b4-Schemi.025 | 2 |



0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J



cavi pulsantiera
câbles clavier de commande

18 x 1mm2 6m

| | |
|----|------|
| 1 | + |
| 2 | - |
| 3 | 0700 |
| 4 | 0751 |
| 5 | 0920 |
| 6 | A36 |
| 7 | 1310 |
| 8 | 1320 |
| 9 | A37 |
| 10 | 1360 |
| 11 | 1370 |
| 12 | 1410 |
| 13 | A38 |
| 14 | A31 |
| 15 | A32 |
| 16 | A33 |
| 17 | A34 |
| | ⏏ |

3 x 1mm2 6m

| | |
|---|---|
| 1 | + |
| 2 | - |
| | ⏏ |

2 x 0.5mm2 (SCH.) 6m

| | | |
|--|-------|---|
| | BROWN | A |
| | WHITE | B |
| | | ⏏ |



DATA
OPERATORE
PROGETTO
FILE

GRUPPO UNIT
GROUPE GROUPE
TITO MACCHINA
MACHINE TYPE
TYPE DE MACHINE
MASCHINENTYP

DESCRIZIONE / DESCRIPTION / DESCRIPTION / BESCHREIBUNG :
connessioni macchina
connections machine

N° SCHEMA
DIAGRAM N°
N° SCHEMA
NR. PLAN

MATRICOLA
SS. NR.
D.S. NR.
D.S. NR.

TAVOLA
TABLE
TABLELLE
ZELLE

TOTALE
TOTAL
TOTAL
INSG.

16/02/2002
S.C.
Pr02b4.prg
Pr02b4-Schemi.026

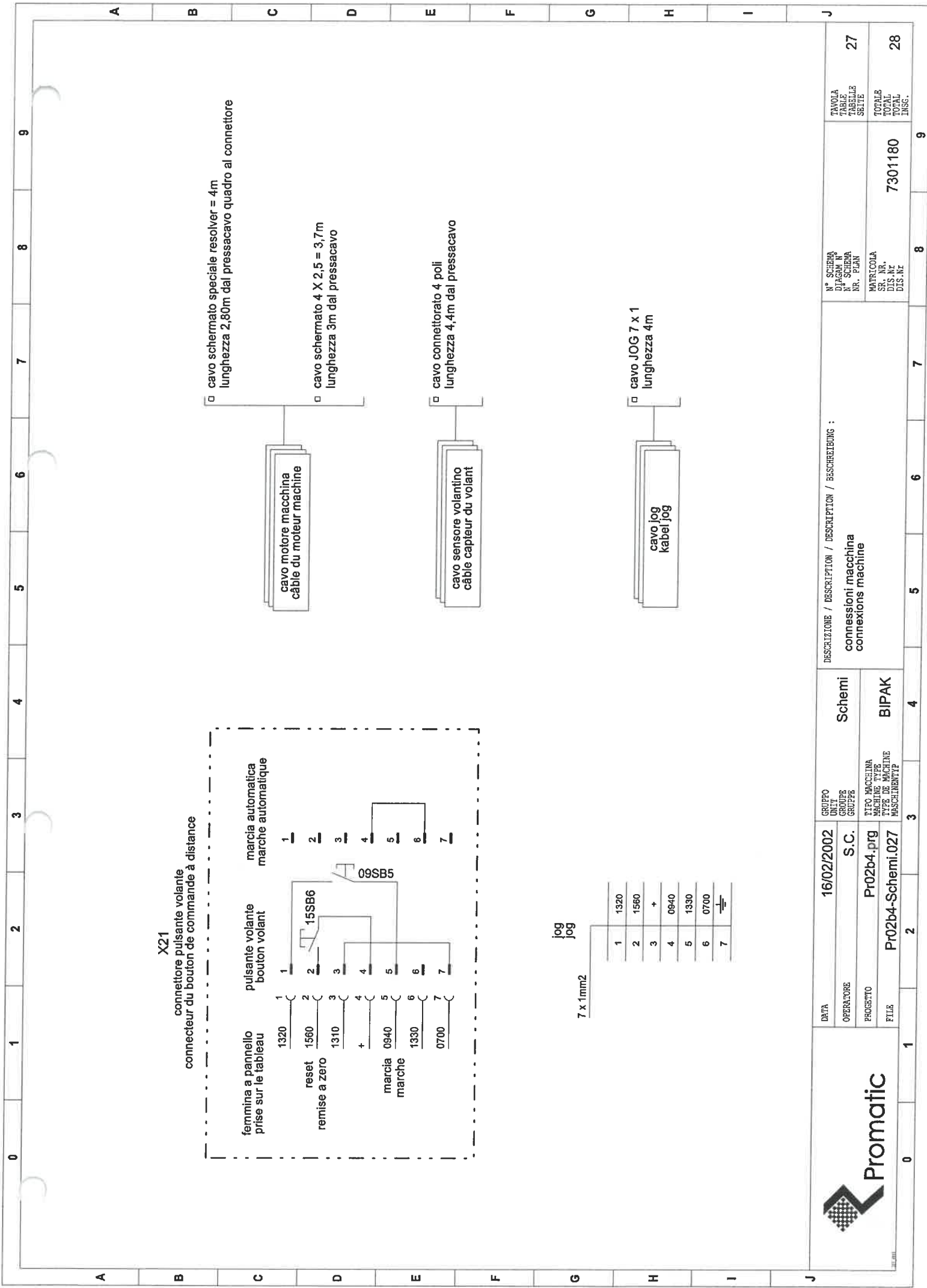
Schemi
BIPAK

26
28

7301180

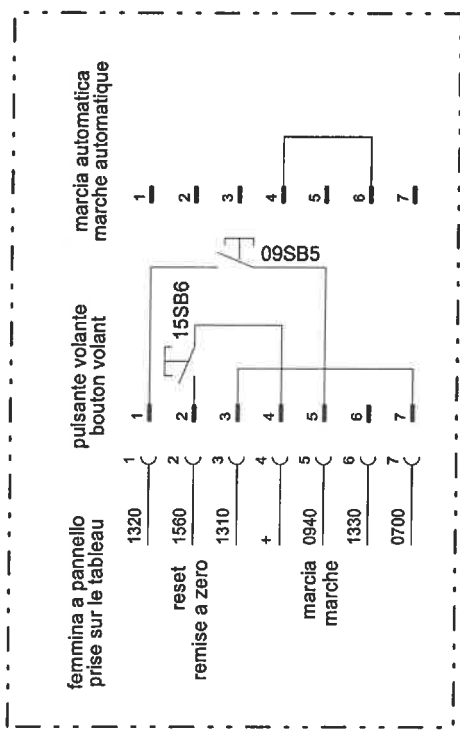
0 1 2 3 4 5 6 7 8 9

A B C D E F G H I J



X21

connettore pulsante volante
connecteur du bouton de commande à distance



□ cavo schermato speciale resolver = 4m
lunghezza 2,80m dal pressacavo quadro al connettore

cavo motore macchina
câble du moteur machine

□ cavo schermato 4 X 2,5 = 3,7m
lunghezza 3m dal pressacavo

cavo sensore volante
câble capteur du volant

□ cavo connesso 4 poli
lunghezza 4,4m dal pressacavo

jog
jog

7 x 1mm2

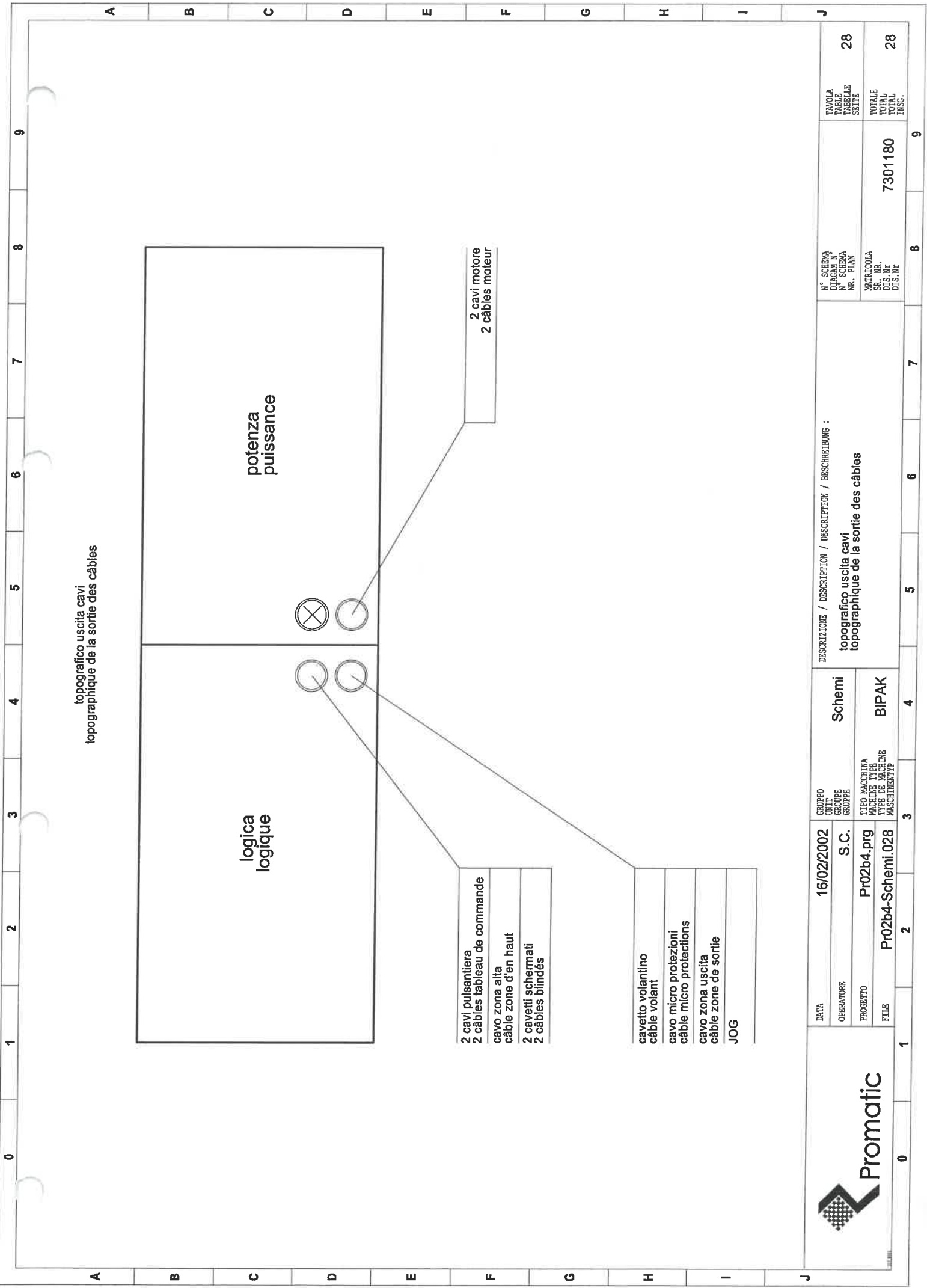
| | |
|---|------|
| 1 | 1320 |
| 2 | 1560 |
| 3 | + |
| 4 | 0940 |
| 5 | 1330 |
| 6 | 0700 |
| 7 | |

cavo jog
kabel jog

□ cavo JOG 7 x 1
lunghezza 4m



| | | | | | |
|-----------|------------------------------|--------------------------------------------|----------------------|--------------|---------|
| DATA | GRUPPO UNIT | DESCRIZIONE / DESCRIPTION / BESCHREIBUNG : | N° SCHEMA DIAGRAM N° | TAVOLA TABLE | 27 |
| OPERATORE | GRUPPE | connessioni macchina | N° SCHEMA NR. PLAN | | |
| PROGETTO | TIPO MACCHINA MACHINE TYPE | connexions machine | MATRICOOLA SS. NR. | TOTALE TOTAL | 28 |
| FILE | TYPE DE MACHINE MASCHINENTYP | | DIS. NR. | TOTAL INSG. | 7301180 |
| | | | | | 9 |
| | | | | | 8 |
| | | | | | 7 |
| | | | | | 6 |
| | | | | | 5 |
| | | | | | 4 |
| | | | | | 3 |
| | | | | | 2 |
| | | | | | 1 |
| | | | | | 0 |



DATA 16/02/2002
 OPERATORE S.C.
 PROGETTO Pr02b4-prg
 FILE Pr02b4-Schemi.028

GRUPPO UNIT GROUPE GROUPE
 Schemi
 TIPO MACCHINA MACHIN TYPE MASCHINENTYP
 BIPAK

DESCRIZIONE / DESCRIPTION / BESCHREIBUNG :
 topografico uscita cavi
 topographique de la sortie des câbles

| | |
|--------------------------------------------------|---------|
| N° SCHEMA DIAGRAM N° N° SCHEMA NR. PLAN | 28 |
| MATRICOLO SP. NR. DIS. NF. DIS. NF. | 7301180 |
| TAVOLA TABLE TABLEAU SEITE | 28 |
| TOTALE TOTAL TOTAL INSE. | 28 |

| Sigle | Description | Type | Quantité | Code |
|---------------------------------|--------------------------------------------|--------------------------------|----------|------------|
| 04QS0 | INTERR.GENERAL TRIP. DISPOSITIF DE BLOCAGE | P1-25N/SVB (KLOCKNER) | 1 | 6220315001 |
| 04FU3 | TABLEAU DES FUSIBLES 10x38 32A 3 PLACES | GK1-DF (TELEMECANIQUE) | 1 | 6180101003 |
| 04FU3 | FUSIBLE SANS PERCUSSION 10.3x38 10A | CH10-GL-10A (ITALWEBER) | 3 | 6180102004 |
| 04QF5 | Interupteur | L7-4/2/D (F&G) | 1 | 6220302011 |
| 04QF6 | Interupteur | L7-4/1/C (F&G) | 1 | 6220301002 |
| 04TC5 | Transformateur | V2=0-19V 200VA CON SCHERMO | 1 | 6490103005 |
| 04C6 | Condensateur | 63V 4700 MICRO F. (ELNA) | 1 | 6100201001 |
| 04VC6 | PONT A DIODES 25A - 400V | KBPC2504 (RADIO-RICAMBI) | 1 | 6370201001 |
| 08KM1 | Telerupteur | DIL 00AM-G (MOELLER) | 1 | 6460204002 |
| 08KM1 | Interupteur | FD B DIL (MOELLER) | 1 | 6460204007 |
| 08KM1 | BLOCAGE CONTACTS 2NO+2NF POUR | 22DIL M (MOELLER) | 1 | 6460204008 |
| 07EV80 | Ventilateur | SP802525M (INNOVATIVE) | 1 | 6500101005 |
| 07EV80 | GRILLE PROTEGE-DOIGTS | 072009003 (MECOS) | 1 | 6500111001 |
| 07EV80 | FILTRE POUR VENTILATEUR 80 X 80 | 029F80/TR (MECOS) | 2 | 6500110001 |
| 08KA1 | DISPOSITIF ARRET D'URGENCE 24VCA/CC | PNOZ-X2-2S (PILZ) | 1 | 6080201006 |
| 09KA2 | Telerupteur | DIL EM-10-G (MOELLER) | 1 | 6460204001 |
| 09KA4-17KA1-17KA3-18KA4 | SOCLE POUR RELAIS 2 CONTACTS EN ECHANGE | P2RF-08-E (OMRON) | 4 | 6530202006 |
| 09KA4-17KA1-17KA3-18KA4 | Relé | G2R-2-SN (OMRON) | 4 | 6380102004 |
| 05RP4 | POTENTIOMETRE MULTITOUR 5Kohm | 7286/35905 (BECKMANN) | 1 | 6340402001 |
| 05RP4 | BOUTON POUR POTENTIOMETRE MULTITOUR | 2606 (BECKMANN) | 1 | 6340402002 |
| 05R5 | Résistance | 390 OHM 1/4W | 1 | 6390302017 |
| 13SB6 | Bouton | RD10 (KLOCKNER-MOELLER) | 1 | 6360530001 |
| 07SB60-07SB61 | BOUTON D'URGENCE POU-S-TIRER | RPV (KLOCKNER-MOELLER) | 2 | 6360530003 |
| 13SB7 | Bouton | RD11 (KLOCKNER-MOLLER) | 1 | 6360530002 |
| 14SA1 | Selcteur | RS-KMS1-A1 (KLOCKNER--MOELLER) | 1 | 6360530006 |
| 14SA1-07SB60-07SB61-13SB6-13SB7 | ADAPTATEUR DE FIXATION | BE3 (KLOCKNER-MOELLER) | 5 | 6360530010 |
| 14SA1-13SB6 | CONTACT | EK10 (KLOCKNER-MOELLER) | 2 | 6360530011 |
| 14SA1-07SB60-07SB61-13SB7 | CONTACT | EK01 (KLOCKNER-MOELLER) | 4 | 6360530012 |
| | Presse-cable | GW52008 (GEWISS) | 3 | 6570701009 |
| | Bouchon | 514/36 (KLEINHUIS) | 1 | |
| | bague | 86568 (RTGAMMA) | 1 | |

| Sigle | Description | Type | Quantité | Code |
|-------------------|---------------------------------------------|----------------------------------|----------|------------|
| X21 | Connecteur | 84021172 (SOURIAU) | 1 | 6120704017 |
| X21 | Connecteur | 84021830 (SOURIAU) | 1 | 6120704015 |
| X21 | Collier de serrage | 84020008 (SOURIAU) | 1 | 6120704016 |
| 14BQ6 | ETUI PLASTIQUE 1 TROU | I 1 M (MOELLER) | 1 | 6410704004 |
| 14BQ4 | Capteur | 3RG4012-3AG01 (SIEMENS) | 1 | 6550603007 |
| 14B5 | Capteur | 3RG4011-3GA00 (SIEMENS) | 1 | 6550602004 |
| 14B5 | photocellule | S18-5-A-32 (DATALOGIC) | 1 | 6560602006 |
| 15B1 (OPTIONAL) | CATADIOPTRE POUR PHOTOCEL. A REFLEX. | R1*1149/146 (DATALOGIC) | 1 | 6560690001 |
| 15B1 (OPTIONAL) | CAPTEUR POUR FIBRE OPTIQUE 24VCC PNP | F71R PN (TAKEX) | 1 | 6560610005 |
| 14BQ4-14BQ6-14B5 | FIBRE OPTIQUE | FR5BC 100mm.(TAKEX) | 1 | 6560690005 |
| X10-X11 | CABLE CONNECT. 4 POLES 90° POUR CAPTEUR D12 | CS-A2-02-G-05 (DATALOGIC) | 3 | 6070710003 |
| 05M1 | BOITE DERIVATION PVC | GW44-207 (GEWISS) | 2 | 6410703003 |
| | MOTEUR BRUSHLESS 7,5Nm 3000tours/min. 400V | SMSN 2 V2 030 00 (SELEMA) | 1 | 6280102016 |
| | câble blindé | 09 CP25 (SELEMA) | 1 | 6070203001 |
| 05U1 | Câble | 09CRSMT3,5 (SELEMA) | 1 | 6070206002 |
| 04L1 | COMMANDE BRUSHLESS WIDE RANGE 400V 7A | F1WR207/14 10Nm(SELEMA) | 1 | 6210505021 |
| CPU | Filtre antiparasite | FIN 1200-010V (FINMOTOR) | 1 | 6210505003 |
| CPU | Automate programmable | 6ES7-314-1AE02-0AB0 (SIEMENS) | 1 | 6420502025 |
| CPU | Memoire flasheprom | 6ES7 951-0KE00-0AA0 (SIEMENS) | 1 | 6420502052 |
| CPU | Batterie | 6ES7-971-1AA00-0AA0 (SIEMENS) | 1 | 6420502027 |
| CPU | Guide | 6ES7-390-1AE80-0AA0 (SIEMENS) | 1 | 6420502028 |
| CPU | Connecteur | 6ES7-972-0BB11-0XA0 | 1 | 6420502041 |
| | Connecteur | 6ES7-972-0BA11-0XA0 | 1 | 6420502024 |
| SLOT 4 | Module programmation cammes | 6ES7 352 1AH01 0AE0 (SIEMENS) | 1 | 6420502054 |
| | Carte électronique | 6ES7-321-1BH02-0AA0 (SIEMENS) | 2 | 6420502037 |
| | Carte électronique | 6ES7-322-1BH01-0AA0 (SIEMENS) | 1 | 6420502038 |
| | Connecteur | 6ES7-392-1AJ00-0AA0 (SIEMENS) | 4 | 6420502039 |
| | Panneau operateur Touch screen 5,7" LCD | GF0-57SQD-000 (MICRO) | 1 | 6520404001 |
| | Carte électronique | COM-MPB2-TP (MICRO INNOVATION) | 1 | 6520404002 |
| | Encoder | AG615WSRS,4096 (STEGMAN) | 1 | 6450603004 |
| | Connecteur | CIZFUR (STEGMAN) | 1 | 6120701004 |