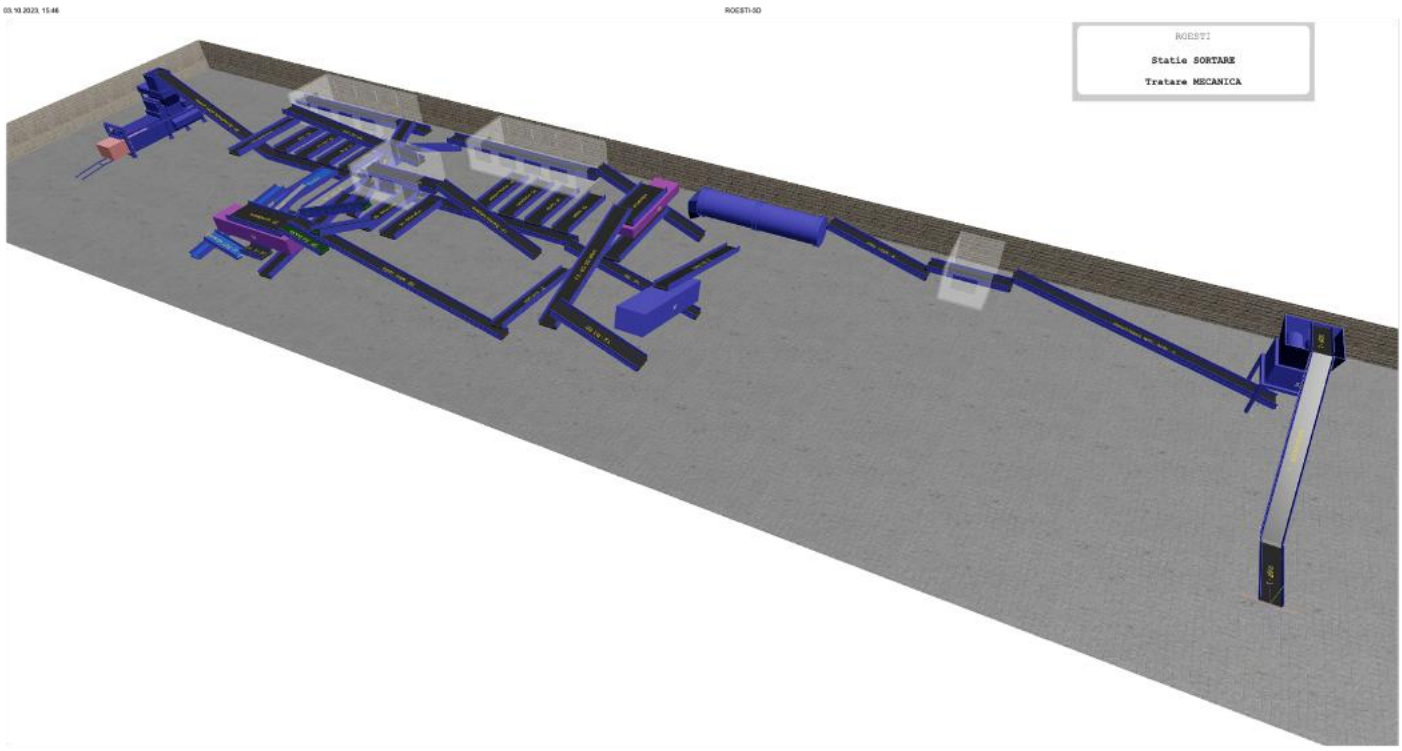
# MANUAL ELECTRICITATE ȘI AUTOMATIZĂRI

# STAȚIE DE SORTARE

# ROEȘTI, JUDEȚUL VÂLCEA

1. Vedere de ansamblu a Stației de Sortare:




*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*

## 2. Tablourile electrice de comandă

Panourile electrice de automatizare sunt dotate pe partea frontala cu semnalizare stare prezenta tensiune de la rețea, cu un selector stare AUTOMAT-O-MANUAL, butoane de comandă START-STOP, semnalizări stare funcționare motoare.

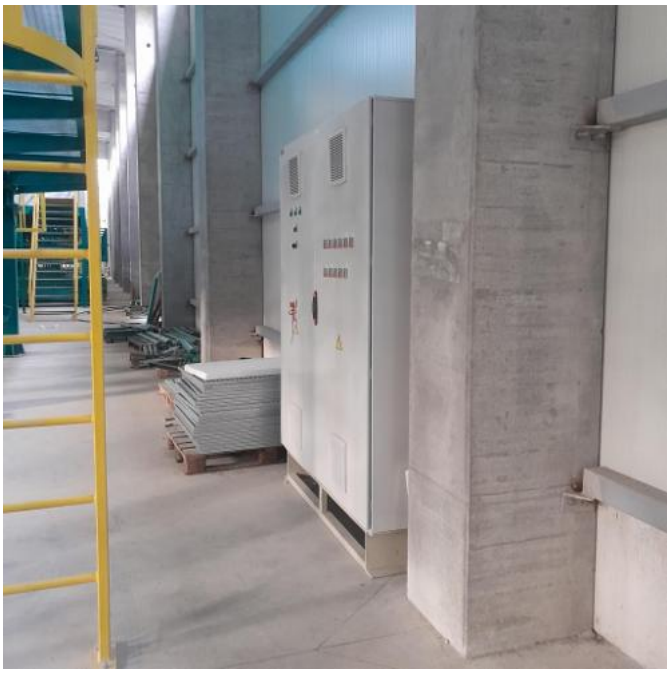
În regim MANUAL, semnalizări cu lampă roșie stare avarie pe fiecare echipament, butoane START-STOP comandă pornit-oprit a echipamentelor în cazul situației de service. În acest sens, operatorul va avea în timp real informațiile necesare și va fi avertizat prin semnale acustice și luminoase în caz de apariție a oricărui defect.

Pentru funcționarea stației de sortare, aceasta a fost prevazută cu:

- Instalație de forță 0,4 kW.
- Instalație de automatizare măsura și control.

Tablouri individuale echipamente cf lista





*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*









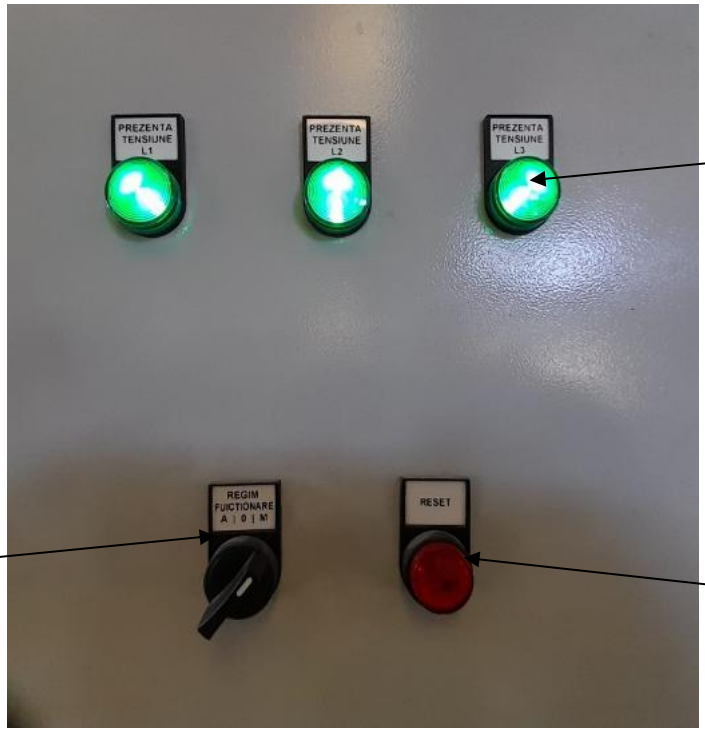
*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*





*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*

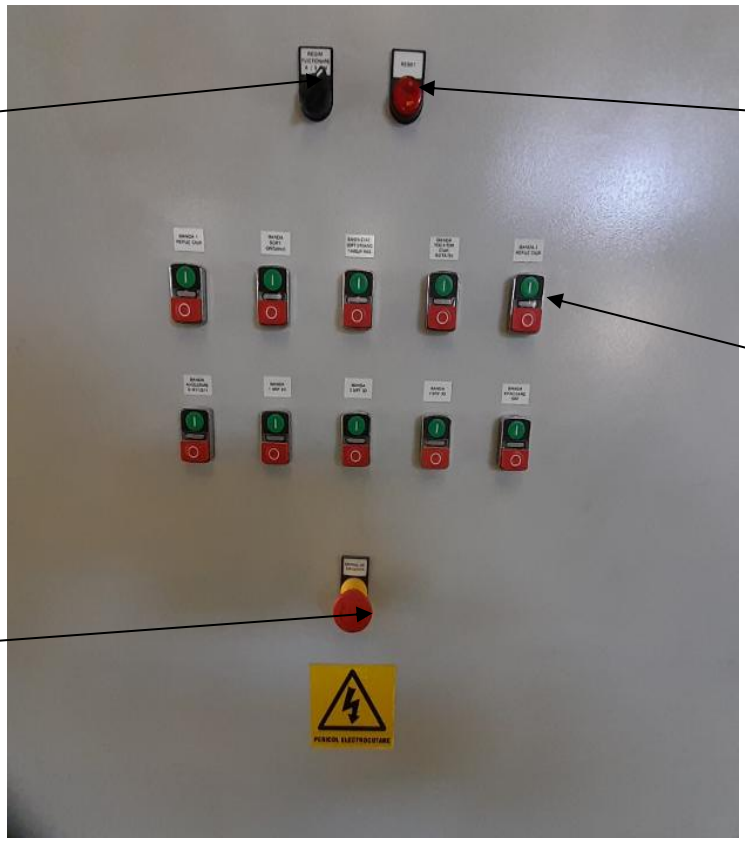
Panou frontal




Semnalizare prezenta tensiune

Selector functionare Automat | Oprire | Manual

Buton reset safety relay



Selector functionare Automat | O | Manual

Buton reset safety relay

Butoane Start/Funcționare motoare/Stop

Buton OPRIRE DE URGENȚĂ

*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*

Datele energetice sunt următoarele:

Putere electrica instalata Pi = 410,14 kw

Puterea maxim consumată în regim normal de funcționare: $P_C$ = 328,12 Kw

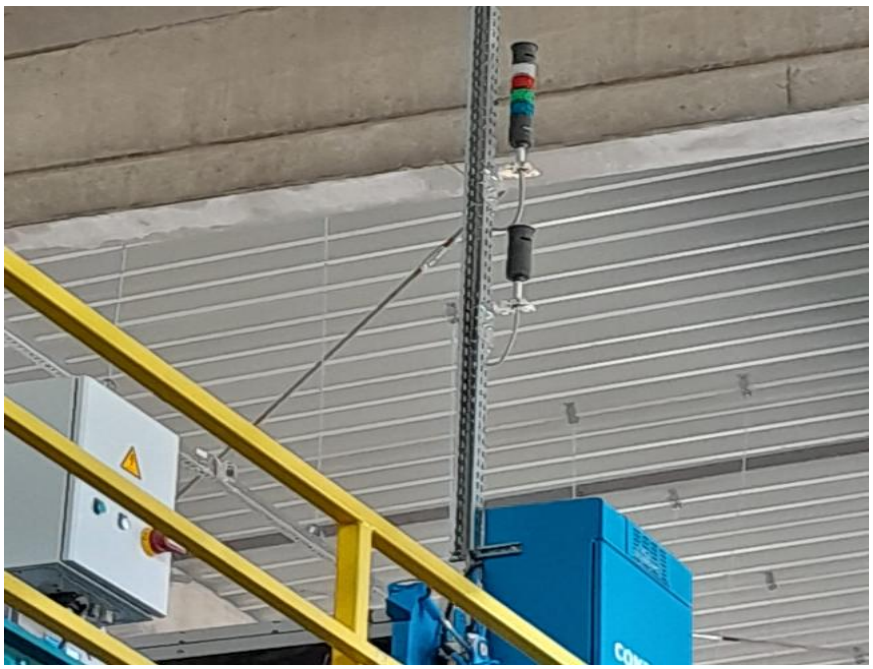
Tabloul, echipat cu circuite de forță și de comandă, conține aparatul electric de comutație, protecție, comandă, semnalizare pentru funcționarea consumatorilor în condiții de siguranță.

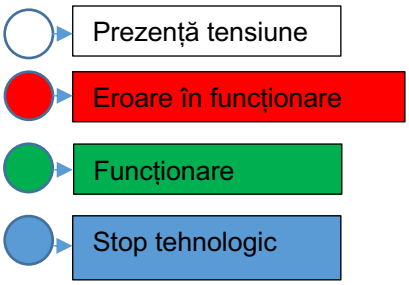
Toate circuitele de forța pentru motoare sunt prevăzute cu protecție la curent de scurtcircuit și cu protecție la curent de suprasarcină, realizate cu întreruptoare automate pentru protecția motoarelor.

Circuitul de safety este compus din butoanele de urgență amplasate pe linie, șufa de urgență din cabina de sortare, toate conectate la un releu model XPSAC5121-Emergency stop.

Acționarea motoarelor de la benzile transportoare se face cu ajutorul convertizoarelor de frecvență, ceea ce conferă posibilitate de a reduce curentul la pornire, și de a modifica viteza benzilor conform necesităților din site.

Semnificație culori turn

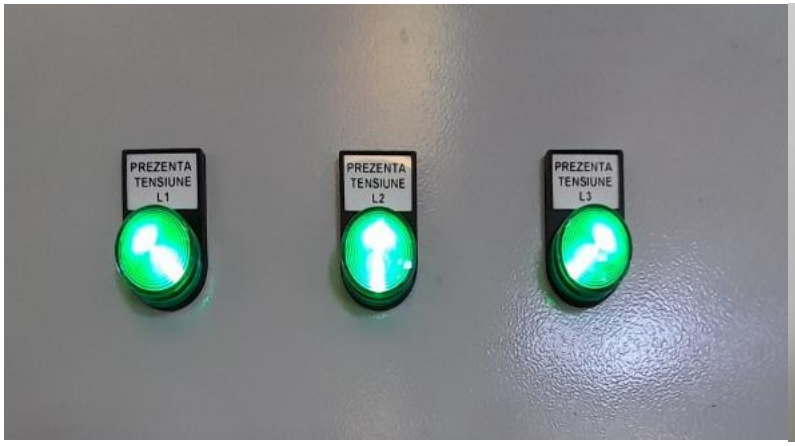







*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*

## 3. Tabloul electric de comanda-operare







Pentru operarea liniei se verifică vizual dacă semnalizările de prezenta tensiune sunt aprinse, dacă nu, se comută întrerupătorul principal în poziția ON.

Toți consumatorii actionați prin intermediul convertizoarelor și contactoarelor sunt prevăzuți pe fața tabloului electric cu:

- Semnalizare de funcționare
- Semnalizare de oprire prin protecție
- Comandă manuală PORNIT – OPRIT

Comenzile pe automat se vor face prin intermediul automatului programabil și bineînțeles cu acționarea selectorului S1 destinat alegerii regimului de lucru: A-0-M.






*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*



Stop tehnologic:

-Albastru lumina

-Înlocuire container

Poz 0-Activare stop tehnologic

-După înlocuire container se pune selectorul pe poziția Poz 1.;

-Se repornește linia din camera de comandă SCADA.

*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*

## 4. DATE TEHNICE ECHIPAMENTE

| Lista Tablouri Electrice SS | | |
|---|---|---|
| Nr. Crt. | Nume | Pi(KW) |
| 1 | Tablou electric 1 | 29,085 |
| 2 | Tablou electric 2 | 70,5 |
| 3 | Tablou electric 3 | 90,44 |
| 4 | Tablou electric 4 | 28,2 |
| 5 | Tablou electric 5 | 18,25 |
| 6 | Tablou electric 6 | 73 |
| 7 | Tablou electric PRESA | 45 |
| 8 | Tablou electric separator balistic | 11 |
| 9 | Tablou electric separator optic 2000 | 4,2 |
| 10 | Tablou electric separator optic 2000 | 3,5 |
| 11 | Tablou electric compresor AERZEN | 37 |
| | Putere instalata | 410,144 |

| | | TE_1 | TE_2 | TE_3 | TE_4 | TE_5 | TE_6 | Total (m) |
|---|---|---|---|---|---|---|---|---|
| Materiale | | | | | | | | |
| H07RN_F | 4G1,5 | 16 | 0 | 0 | 0 | 20 | 1054 | 1090 |
| 2YSL(ST)CYK_J | 4G2,5 | 64 | 230 | 256 | 0 | 0 | 0 | 550 |
| 2YSL(ST)CYK_J | 4G6 | 16 | | 0 | 0 | 0 | 0 | 16 |
| 2YSL(ST)CYK_J | 4G4 | 0 | 60 | 0 | 0 | 0 | 561 | 621 |
| H07RN_F | 4G16 | 0 | 0 | 160 | 0 | 0 | 0 | 160 |
| H07RN_F | 4G4 | 0 | 35 | 50 | 30 | 20 | 0 | 135 |
| H07RN_F | 4G6 | 0 | 39 | 0 | 0 | 0 | 0 | 39 |
| H07RN_F | 4G2,5 | 0 | 60 | 1020 | 77 | 56 | 0 | 1213 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pat cablu 200*60 | | 12 | 8 | 15 | 0 | 0 | 66 | 101 |
| Pat cablu 50*60 | | 6 | 39 | 120 | 0 | 36 | 30 | 231 |
| Pat cablu 100*60 | | 0 | 54 | 120 | 36 | 0 | 0 | 210 |
| Consola 120 | | 0 | 60 | 120 | 25 | 25 | 20 | 250 |
| Pat cablu 300*100 | | 0 | 0 | 24 | 0 | 0 | 0 | 24 |
| Consola 300 | | 0 | 0 | 16 | 0 | 0 | 0 | 16 |
| Consola 210 | | 0 | 0 | 0 | 0 | 0 | 45 | 45 |

| Tablou electric 1 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nr. Crt. | Nume | Pi(KW) | Motor: (Pn;Un;In;Cosfi) | Mod de comanda | Typ CV | Motor | Cablu | Cablu | Lungime cablu(m) | Lungime cablu(m) | Lungime cablu(m) |
| 1 | B-01 Banda orizontala canal alimentare_M5 | 5,5 | Pn=5,5 KW; Un=400 V; In=10,6 A; Cosfi= | C.F. | FC 280 | M5 | 2YSL(ST)CYK-J | 4G2,5 | 16 | 0 | 0 |
| | M5-VENTILARE FORTATA | 0,085 | Pn=85 W; Un= 346-525 V; In= 0,35 A ;1490 rpm | Direct | | | H07RN_F | 4G1,5 | 0 | 16 | 0 |
| 57 | Desfăcător de saci_M1motor ax1_fix | 22 | Pn=22 KW; Un=400 V; In=43 A; Cosfi= | C.F. | FC 280 | M1 | 2YSL(ST)CYK-J | 4G6 | 0 | 0 | 16 |
| | Desfăcător de saci M2 motor AX_01 | 1,5 | Pn=1,5 KW; Un=400 V; In=3,61 A; Cosfi= | C.F. | FC 280 | M2 | 2YSL(ST)CYK-J | 4G2,5 | 16 | 0 | 0 |
| | Desfăcător de saci M3 motor AX_02 | 1,5 | Pn=1,5 KW; Un=400 V; In=3,61 A; Cosfi= | C.F. | FC 280 | M3 | 2YSL(ST)CYK-J | 4G2,5 | 16 | 0 | 0 |
| | Desfăcător de saci_M4_pompa hidraulica | 1,5 | Pn=1,5 KW; Un=400 V; In=3,61 A; Cosfi= | Direct | | M4 | H07RN7-F | 4G2,5 | 16 | 0 | 0 |
| | TOTAL KW | 29,085 | | | | | | | 64 | 16 | 16 |

| Materiale | | | | |
|---|---|---|---|---|
| H07RN_F | 4G1,5 | | 16 | |
| 2YSL(ST)CYK_J | 4G2,5 | 64 | | |
| 2YSL(ST)CYK_J | 4G6 | | | 16 |
| | | | | |
| | | | | |
| Pat cablu 200*60 | | | | 12 |
| Pat cablu 50*60 | | | | 6 |

*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*

Tehnimarket

TEHNIMARKET CERT ANRE Nr. 0029933

## Tablou electric 2

| Nr. Crt. | Nume | Pi(KW) | Motor: (Pn;Un;In;Cosfi) | Mod de comanda | Typ CV | Motor | Cablu | Cablu | Lungime cablu( | Lungime cablu( | Lungime cablu( | Lungime cablu( | Lungime cablu( |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | B-02 Banda inclinata alimentare cabină presortare | 5,5 | Pn=5,5 KW; Un=400 V; In=10,6 A; Cosfi | C.F. | FC 302 | M1 | 2YSL(ST)CYK-J | 4G2,5 | 28 | 0 | 0 | 0 | 0 |
| 3 | B-03 Banda orizontala presortare (Cab_presortare) | 3 | Pn=3 KW; Un=400 V; In=6,6 A; Cosfi= | C.F. | FC 280 | M2 | 2YSL(ST)CYK-J | 4G2,5 | 23 | 0 | 0 | 0 | 0 |
| 4 | B-04 Banda inclinata alimentare ciur | 4 | Pn=4 KW; Un=400 V; In=7,85 A; Cosfi= | C.F. | FC 280 | M3 | 2YSL(ST)CYK-J | 4G2,5 | 11 | 0 | 0 | 0 | 0 |
| 6 | B-06 Banda inclinata alimentare balistic | 4 | Pn=4 KW; Un=400 V; In=7,85 A; Cosfi= | C.F. | FC 280 | M4 | 2YSL(ST)CYK-J | 4G2,5 | 28 | 0 | 0 | 0 | 0 |
| 7 | B-07 Bandă refuz ciur | 4 | Pn=4 KW; Un=400 V; In=7,85 A; Cosfi= | C.F. | FC 280 | M5 | 2YSL(ST)CYK-J | 4G2,5 | 28 | 0 | 0 | 0 | 0 |
| 8 | B-08 Banda sortare 1 (C3) | 4 | Pn=4 KW; Un=400 V; In=7,85 A; Cosfi= | C.F. | FC 280 | M6 | 2YSL(ST)CYK-J | 4G2,5 | 44 | 0 | 0 | 0 | 0 |
| 12 | B-12 Banda 1 2D | 3 | Pn=3 KW; Un=400 V; In=6,6 A; Cosfi= | C.F. | FC 280 | M7 | 2YSL(ST)CYK-J | 4G2,5 | 37 | 0 | 0 | 0 | 0 |
| 13 | B-13 Banda2 2D alim. | 4 | Pn=4 KW; Un=400 V; In=7,85 A; Cosfi= | C.F. | FC 280 | M8 | 2YSL(ST)CYK-J | 4G2,5 | 31 | 0 | 0 | 0 | 0 |
| 14 | B-14 Banda accelerare S_2000 | 4 | Pn=4 KW; Un=400 V; In=7,85 A; Cosfi= | Direct | - | M9 | H07RN-F | 4G2,5 | 0 | 0 | 0 | 0 | 30 |
| 15 | B-15 Banda rest | 3 | Pn=3 KW; Un=400 V; In=6,6 A; Cosfi= | Direct | - | M10 | H07RN-F | 4G2,5 | 0 | 0 | 0 | 0 | 30 |
| 51 | Ciur rotativ 3 fracții | 15 | Pn=2*7,5 KW; Un=400 V; In=10,6 A; Cosfi= | C.F. | FC 280 | M11/M12 | 2YSL(ST)CYK-J | 4G4 | 0 | 60 | 0 | 0 | 0 |
| 46 | Cabina presortare | 5 | | Direct | - | - | H07RN-F | 4G4 | 0 | 0 | 35 | 0 | 0 |
| 48 | Cabina sortare C2 (8 posturi) | 12 | | Direct | - | | H07RN-F | 4G6 | 0 | 0 | 0 | 38 | 0 |
| | TOTAL KW | 70,5 | | | | | | | 230 | 60 | 35 | 38 | 60 |

| MATERIALE | Cablu | L(m) | L(m) | L(m) | L(m) | L(m) |
|---|---|---|---|---|---|---|
| 2YSL(ST)CYK-J | 4G2,5 | 230 | | | | |
| 2YSL(ST)CYK-J | 4G4 | | 60 | | | |
| H07RN-F | 4G4 | | | 35 | | |
| H07RN-F | 4G6 | | | | 39 | |
| H07RN-F | 4G2,5 | | | | | 60 |
| | | | | | | |
| Pat cablu 200*60 | | 8 | | | | |
| Pat cablu 100*60 | | 54 | | | | |
| Pat cablu 60*50 | | 39 | | | | |
| Consola 120 | | 60 | | | | |

## Tablou Electric 3

| Nr. Crt. | Nume | Pi(KW) | Motor: (Pn;Un;In;Cosfi) | Mod de comanda | Typ CV | Motor | Cablu | Cablu | Lungime cablu(m) | Lungime cablu(m) | Lungime cablu(m) | Lungime cablu(m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | Separator aeraulic_SUPPLY FAN 1 | 0,37 | Pn=0,37 KW; Un=400 V; In= 0.9 A; Cosfi= | Direct | | M21.1 | H07RN_F | 4G2,5 | 50 | 0 | 0 | 0 |
| | Separator aeraulic_SUPPLY FAN 2 | 0,37 | Pn=0,37 KW; Un=400 V; In= 0.9 A; Cosfi= | Direct | | M23.2 | H07RN_F | 4G2,5 | 50 | 0 | 0 | 0 |
| | Separator aeraulic_Condenser rotary motor | 2,2 | Pn=2,2 KW; Un=400 V; In= 4,7 A; Cosfi= | Direct | | M27.3 | H07RN_F | 4G2,5 | 50 | 0 | 0 | 0 |
| | Separator aeraulic_Compresor limpeieza filtro | 5,5 | Pn=5,5 KW; Un=400 V; In= 11 A; Cosfi= | Direct | | M36.1 | H07RN_F | 4G4 | 0 | 50 | 0 | 0 |
| | Separator aeraulic_Condenser rotary motor | 11 | Pn=11 KW; Un=400 V; In= 20 A; Cosfi= | SoftStarter | | M35.1 | H07RN_F | 4G16 | 0 | 0 | 50 | 0 |
| 16 | B-16 Banda 3D | 3 | Pn=3 KW; Un=400 V; In= 6,6 A; Cosfi= | C.F. | FC 302 | M1 | 2YSL(ST)CYK-J | 4G2,5 | 0 | 0 | 0 | 30 |
| 17 | B-17 Banda fracție ușoară | 3 | Pn=3 KW; Un=400 V; In= 6,6 A; Cosfi= | C.F. | FC 280 | M2 | 2YSL(ST)CYK-J | 4G2,5 | 0 | 0 | 0 | 40 |
| 18 | B-18 Banda 2 sortare (C1) | 3 | Pn=3 KW; Un=400 V; In= 6,6 A; Cosfi= | C.F. | FC 280 | M3 | 2YSL(ST)CYK-J | 4G2,5 | 0 | 0 | 0 | 48 |
| 19 | B-19 Banda inclinata alim. (C2) | 3 | Pn=3 KW; Un=400 V; In= 6,6 A; Cosfi= | C.F. | FC 280 | M4 | 2YSL(ST)CYK-J | 4G2,5 | 0 | 0 | 0 | 60 |
| 20 | B-20 Banda 3 sortare (C2) | 4 | Pn=4 KW; Un=400 V; In= 7,85 A; Cosfi= | C.F. | FC 280 | M5 | 2YSL(ST)CYK-J | 4G2,5 | 0 | 0 | 0 | 78 |
| 21 | B-21 Banda sort greu | 3 | Pn=3 KW; Un=400 V; In= 6,6 A; Cosfi= | Direct | | M6 | H07RN_F | 4G2,5 | 40 | 0 | 0 | 0 |
| 22 | B-22 Banda incl. alim sep. optic | 4 | Pn=4 KW; Un=400 V; In= 7,85 A; Cosfi= | C.F. | FC 280 | M7 | 2YSL(ST)CYK-J | 4G2,5 | 60 | 0 | 0 | 0 |
| 23 | B-23 Banda accelerare S_2000 | 4 | Pn=4 KW; Un=400 V; In= 7,85 A; Cosfi= | Direct | | M8 | H07RN_F | 4G2,5 | 70 | 0 | 0 | 0 |
| 24 | B-24 Banda PET alb | 3 | Pn=3 KW; Un=400 V; In= 6,6 A; Cosfi= | Direct | | M9 | H07RN_F | 4G2,5 | 70 | 0 | 0 | 0 |
| 25 | B-25 Banda1 PET albastru | 2,2 | Pn=2,2 KW; Un=400 V; In= 5,1 A; Cosfi= | Direct | | M10 | H07RN_F | 4G2,5 | 70 | 0 | 0 | 0 |
| 26 | B-26 Banda 2 PET albastru | 3 | Pn=3 KW; Un=400 V; In= 6,6 A; Cosfi= | Direct | | M11 | H07RN_F | 4G2,5 | 80 | 0 | 0 | 0 |
| 27 | B-27 Banda 1 bucla | 2,2 | Pn=2,2 KW; Un=400 V; In= 5,1 A; Cosfi= | Direct | | M12 | H07RN_F | 4G2,5 | 80 | 0 | 0 | 0 |
| 28 | B-28 Banda 2 bucla | 3 | Pn=3 KW; Un=400 V; In= 6,6 A; Cosfi= | Direct | | M13 | H07RN_F | 4G2,5 | 80 | 0 | 0 | 0 |
| 29 | B-29 Banda 3 bucla | 2,2 | Pn=2,2 KW; Un=400 V; In= 5,1 A; Cosfi= | Direct | | M14 | H07RN_F | 4G2,5 | 80 | 0 | 0 | 0 |
| 30 | B-30 Banda 4 bucla | 2,2 | Pn=2,2 KW; Un=400 V; In= 5,1 A; Cosfi= | Direct | | M15 | H07RN_F | 4G2,5 | 80 | 0 | 0 | 0 |
| 31 | B-31 Banda 1 rest 3D | 2,2 | Pn=2,2 KW; Un=400 V; In= 5,1 A; Cosfi= | Direct | | M16 | H07RN_F | 4G2,5 | 80 | 0 | 0 | 0 |
| 32 | B-32 Banda 2 rest 3D | 3 | Pn=3 KW; Un=400 V; In= 6,6 A; Cosfi= | Direct | | M17 | H07RN_F | 4G2,5 | 80 | 0 | 0 | 0 |
| | Cabina sortare C3_8 POSTURI | 12 | Pn=12 KW ;Un=400 V | Direct | | | H07RN_F | 4G16 | 0 | 0 | 70 | 0 |
| | Cabina sortare C1_4 POSTURI | 9 | Pn=9 KW ;Un=400 V | Direct | | | H07RN_F | 4G16 | 0 | 0 | 40 | 0 |
| | TOTAL KW | 90,44 | | | | | | | 1020 | 50 | 160 | 256 |

| Materiale estimate | Cablu | L(m) | L(m) | L(m) | L(m) |
|---|---|---|---|---|---|
| H07RN_F | 4G2,5 | 1020 | | | |
| H07RN_F | 4G4 | | 50 | | |
| H07RN_F | 4G16 | | | 160 | |
| 2YSL(ST)CYK-J | 4G2,5 | | | | 256 |
| | | | | | |
| | | | | | |
| Pat cablu 300*10 | | 24 | | | |
| Pat cablu 200*60 | | 15 | | | |
| Pat cablu 100*60 | | 120 | | | |
| Pat cablu 60*50 | | 120 | | | |
| Consola 120 | | 120 | | | |
| Consola 300 | | 16 | | | |

*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*

Tehnimarket

TEHNIMARKET CERT ANRE Nr. 0029933

## Tablou Electric 4

| Nr. Crt. | Nume | Pi(KW) | Motor: (Pn;Un;In;Cosfi) | Mod de comanda | Typ CV | Motor | Cablu | Cablu | Lungime cablu(m) | Lungime cablu(m) |
|---|---|---|---|---|---|---|---|---|---|---|
| 62 | TE_Separator EDY | 8,5 | | | | | H07RN_F | 4G4 | 15 | 0 |
| 9 | B-09 Banda 1 rest | 3 | Pn=3 KW; Un=400 V; In= 6,6 A; Cosfi= | Direct | | M1 | H07RN_F | 4G2,5 | 0 | 32 |
| 10 | B-10 Banda 2 rest | 4 | Pn=4 KW; Un=400 V; In= 7,85 A; Cosfi= | Direct | | M2 | H07RN_F | 4G2,5 | 0 | 15 |
| 11 | B-11 Banda evacuare rest | 3 | Pn=3 KW; Un=400 V; In= 6,6 A; Cosfi= | Direct | | M3 | H07RN_F | 4G2,5 | 0 | 15 |
| 61 | Separator magnetic sort mediu | 2,2 | Pn=2,2 KW; Un=400 V; In= 4,27 A; Cosfi= | Direct | | M4 | H07RN_F | 4G2,5 | 0 | 15 |
| 52 | Cap presare_M_pompa hidraulica | 7,5 | Pn=7,5 KW; Un=400 V; In=14,6 A; Cosfi= | SoftStart | ATS01N222QN | M5 | H07RN_F | 4G4 | 15 | 0 |
| | TOTAL KW | 28,2 | | | | | | | 30 | 77 |

| Materiale | Cablu | L (m) | L (m) |
|---|---|---|---|
| H07RN_F | 4G4 | 30 | |
| H07RN_F | 4G2,5 | | 77 |
| | | | |
| Pat cablu 100*60 | 36 | | |
| Console 120 | 25 | | |

## Tablou Electric 5

| Nr. Crt. | Nume | Pi(KW) | Motor: (Pn;Un;In;Cosfi) | Mod de comanda | Typ CV | Motor | Cablu | Cablu | Lungime cablu(m) | Lungime cablu(m) | Lungime cablu(m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 48,1 | Perforator PET_Motor mutare carucior | 0,75 | Pn=3 KW; Un=400 V; In= 6,6 A; Cosfi= | Direct | | M1 | H07RN_F | 4S1,5 | 0 | 0 | 20 |
| | Perforator PET_Motor_1 Perforator | 3 | Pn=3 KW; Un=400 V; In= 6,6 A; Cosfi= | Soft Starter | DS7-342SX012N0-N | M2 | H07RN_F | 4G2,5 | 0 | 20 | 0 |
| | Perforator PET_Motor_2 Perforator | 3 | Pn=3 KW; Un=400 V; In= 6,6 A; Cosfi= | Soft Starter | DS7-342SX012N0-N | M3 | H07RN_F | 4G2,5 | 0 | 20 | 0 |
| 46 | B-46 Banda Canal Alimentare Presa | 7,5 | Pn=7,5 KW; Un=400 V; In=15,9 A; Cosfi= | C.F. | FC 280 | M4 | 2YSL(ST)CYK-J | 4G4 | 20 | 0 | 0 |
| 47 | B-47 Banda Inclinata Alimentare Presa | 4 | Pn=4 KW; Un=400 V; In= 7,85 A; Cosfi= | C.F. | FC 280 | M5 | 2YSL(ST)CYK-J | 4G2,5 | 0 | 16 | 0 |
| | TOTAL KW | 18,25 | | | | | | | 20 | 56 | 20 |

| Materiale | Cablu | L (m) | L (m) | L (m) |
|---|---|---|---|---|
| H07RN_F | 4G1,5 | | | 20 |
| H07RN_F | 4G2,5 | | 56 | |
| H07RN_F | 4G4 | 20 | | |
| | | | | |
| Pat cablu 60*50 | | 36 | | |
| Comsola 100 | | 25 | | |

## Tablou Electric 6 (Benzi Buncar)

| Nr. Crt. | Nume | Pi(KW) | Motor: (Pn;Un;In;Cosfi) | Mod de comanda | Typ CV | Motor | Cablu | Cablu | Lungime cablu(m) | Lungime cablu(m) | Lungime cablu(m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | B-33 Banda buncăr carton - Alveola | 5,5 | Pn=5,5 KW; Un=400 V; In= 11 A; Cosfi= | C.F. | FC 302 | M1 | 2YSL(ST)CYK-J | 4G4 | 54 | 54 | 47 |
| 34 | B-34 Banda buncăr hârtie - Alveola | 5,5 | Pn=5,5 KW; Un=400 V; In= 11 A; Cosfi= | C.F. | FC 280 | M2 | 2YSL(ST)CYK-J | 4G4 | 51 | 51 | 44 |
| 35 | B-35 Banda buncăr compozite- Alveola | 5,5 | Pn=5,5 KW; Un=400 V; In= 11 A; Cosfi= | C.F. | FC 280 | M3 | 2YSL(ST)CYK-J | 4G4 | 48 | 48 | 41 |
| 36 | B-36 Banda buncăr carton ondulat- Alveola | 5,5 | Pn=5,5 KW; Un=400 V; In= 11 A; Cosfi= | C.F. | FC 280 | M4 | 2YSL(ST)CYK-J | 4G4 | 45 | 48 | 38 |
| 37 | B-37 Banda buncăr folie alba - Alveola | 5,5 | Pn=5,5 KW; Un=400 V; In= 11 A; Cosfi= | C.F. | FC 280 | M5 | 2YSL(ST)CYK-J | 4G4 | 50 | 50 | 48 |
| 38 | B-38 Banda buncăr folie color - Alveola | 5,5 | Pn=5,5 KW; Un=400 V; In= 11 A; Cosfi= | C.F. | FC 280 | M6 | 2YSL(ST)CYK-J | 4G4 | 53 | 53 | 51 |
| 39 | B-39 Banda buncăr PET alb - Alveola | 5,5 | Pn=5,5 KW; Un=400 V; In= 11 A; Cosfi= | C.F. | FC 280 | M7 | 2YSL(ST)CYK-J | 4G4 | 56 | 56 | 54 |
| 40 | B-40 Banda buncăr PET albastru - Alveola | 5,5 | Pn=5,5 KW; Un=400 V; In= 11 A; Cosfi= | C.F. | FC 280 | M8 | 2YSL(ST)CYK-J | 4G4 | 59 | 59 | 57 |
| 41 | B-41 Banda buncăr PET color - Alveola | 5,5 | Pn=5,5 KW; Un=400 V; In= 11 A; Cosfi= | C.F. | FC 280 | M9 | 2YSL(ST)CYK-J | 4G4 | 35 | 35 | 28 |
| 42 | B-42 Banda buncăr PEID – Alveola | 5,5 | Pn=5,5 KW; Un=400 V; In= 11 A; Cosfi= | C.F. | FC 280 | M10 | 2YSL(ST)CYK-J | 4G4 | 32 | 32 | 25 |
| 43 | B-45.1 Banda Buncar PVC | 5,5 | Pn=5,5 KW; Un=400 V; In= 11 A; Cosfi= | C.F. | FC 280 | M11 | 2YSL(ST)CYK-J | 4G4 | 29 | 29 | 22 |
| 44 | B-45.2 Banda Buncar PP-PS | 5,5 | Pn=5,5 KW; Un=400 V; In= 11 A; Cosfi= | C.F. | FC 280 | M12 | 2YSL(ST)CYK-J | 4G4 | 26 | 26 | 19 |
| 45 | B-45.3 Banda Buncar SRF | 5,5 | Pn=5,5 KW; Un=400 V; In= 11 A; Cosfi= | C.F. | FC 280 | M13 | 2YSL(ST)CYK-J | 4G4 | 23 | 23 | 16 |
| | Motoare liniare actionare porti Pn=28 W* 13 buc | 0,364 | Pn= 28 W; Un=230 V; In= 0,2 A; Cosfi= | Directa | | | H07RN_F | 4*1,5 | 0 | 0 | 490 |
| | Motoare ventilare fortata Pn= 85 W*13 buc | 1,105 | Pn= 85 W; Un=400 V; In= 0,35 A; Cosfi= | Directa | | | H07RN_F | 4*1,5 | 0 | 564 | 0 |
| | TOTAL KW | 72,969 | | | | | | | 561 | 564 | 490 |

| Materiale | Cablu | L (m) | L (m) |
|---|---|---|---|
| 2YSL(ST)CYK-J | 4G4 | 561 | |
| H07RN_F | 4G1,5 | | 1054 |
| | | | |
| Pat cablu 200*60 | | 66 | |
| Pat cablu 50*60 | | 30 | |
| Consola 210 | | 45 | |
| Consola 120 | | 20 | |

*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*

Tehnimarket

TEHNIMARKET CERT IND ANRE Nr. 0029933

1. Logigrama

**ALIMENTARE ELECTRICA TABLOURI SELECTOR PE AUTOMAT**

PORNIRE LINIE DIN SCADA

Semnalizare optica verde (Led continous light)
Semnalizare acustica (Pulsedtone)



Releu urgenta

B20 — 3 s — B19 — 3 s — B32, B24, B26, B18 — 3 s — B27, B31, B25, B30, B29, B28, B17, B11 — 3 s — B22, B21, B10 — 3 s — B9 — 3 s — B8

3 s

B7, B16 — 3 s — B15 — 3 s — B13 — 3 s — B12 — 3 s — B6 — 3 s — B4 — 3 s — B3 — 3 s — B2 — 3 s — B1

$I_{ab} > I_n$

Da

Avarie echipamente
**Semnalizare optica rosie**
(Led multistrobe light)
**Semnalizare acustica**
(Descending tone)

Rezolvare defectiune



Nu



Stop semnalizare Acustica (Pulsetone)

Continua semnalizare optica verde (Led Continous light)

*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*



**Cabina Presortare**

Apasare buton oprire cu revenire

Oprire B1/B2/B3/B4

Oprire Desfacator Saci

Rezolvare problema

Eliberare Buton oprire

Pornire echipamente oprite

**Cabina C1/C2/C3**

Apasare buton oprire cu revenire

Oprire Echipamente

Rezolvare problema

Eliberare Buton oprire

Pornire echipamente oprite

**Apasare buton urgenta**

Oprire Instalatie

Inspectie vizuala Rezolvare problema

Reluare secventa pornire instalatie

**Container Refuz Ciur plin**

Operatorul apasa butonul oprire

Echipamentele mai functioneaza 5 min dupa care se opresc

Inlocuire container

Operatorul apasa butonul pornire.

Reset semnalizare albastra

**Container 24mc plin**

Operatorul apasa butonul oprire

Echipamentele se opresc

Inlocuire container

Operatorul apasa butonul pornire.

Reset semnalizare albastra

**Alveola depozitare plina**

De la pupitrul de comanda, operatorul porneste

Presa de balotat, B44, B43.

Deschide poarta Alveolei si banda transportoare aferenta

Alveola depozitare goala

De la pupitrul de comanda, operatorul inchide poarta Alveolei si opreste banda transportoare aferenta.

Opreste B43, B44, Presa de Balotat in momentul golirii materialului de pe ele.

## Oprire Instalatie

Oprire linie din SCADA

Oprire alimentare panouri electrice

*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*

# Descriere mod pornire

## I. Pornire instalație

*Monitorizarea funcționării de sortare se face prin softul SCADA care se referă la un centru de comandă care monitorizează și controlează întregul spațiu de producție.

- permite monitorizarea de la distanță a funcționării instalației;

- urmărește avariile și evenimentele petrecute;

- stabilește parametrii de lucru pentru a produce productivitatea dorită;

- punere sub tensiune tablourile de comandă;




- se fac reglaje la aceste parametrii;

- se pune sub tensiune tabloul de comandă de benzi transportoare;
- la pornirea automată, turnul se semnalizează cu semnale acustice și luminoase;



- semnalizarea acustică va fi activă pe tot parcursul deschiderii;
- semnalul luminos va fi în permanență funcțional și va lumina culoarea verde cât timp funcționează instalația;
- pornirea întregii instalații se face conform schemei
- după pornirea tuturor, se poate face pornirea liniei care duce la presa de balotat;
- deșeurile urmează traseul stabilit prin fluxul tehnologic.

*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*



*Avaria

- - semnalizare optică roșie în hală;
- - semnalizare avarie în SCADA.
- - poate fi avarie la un anumit echipament, blocaj, sau un operator poate sesiza un pericol și poate apăsa butonul de urgență;

- - stația se oprește automat, se intervine pentru eliminarea avariei/ pericolului, se resetează și se repornește instalația în același mod descris mai sus.

*Înlocuirea containerelor pline



- -sunt semnalizate cu lumina albastră;
- -pe stâlpii unde sunt montate containerele sunt amplasate selectoare cu Poz 0 și Poz 1.;
- - în acest caz se opresc grupele de utilaje care sunt implicate în flux;
- -după ce se înlocuiește containerul plin cu unul gol,selectorul se comută în Poz 1 și se repornește instalația. *Oprirea instalației se face în sens invers pornirii, respectând același interval de timp.

Cabinele de Sortare

- In fiecare cabina avem cate **2 butoane de urgenta**, avand functia de oprire linie generala, in caz de urgenta
- Butoane de **STOP & GO** pentru intarziere banda sortare – ofera posibilitatea de oprire si, imediat dupa un interval de timp prestabilit in SCADA, repornire, fara o alta interventie

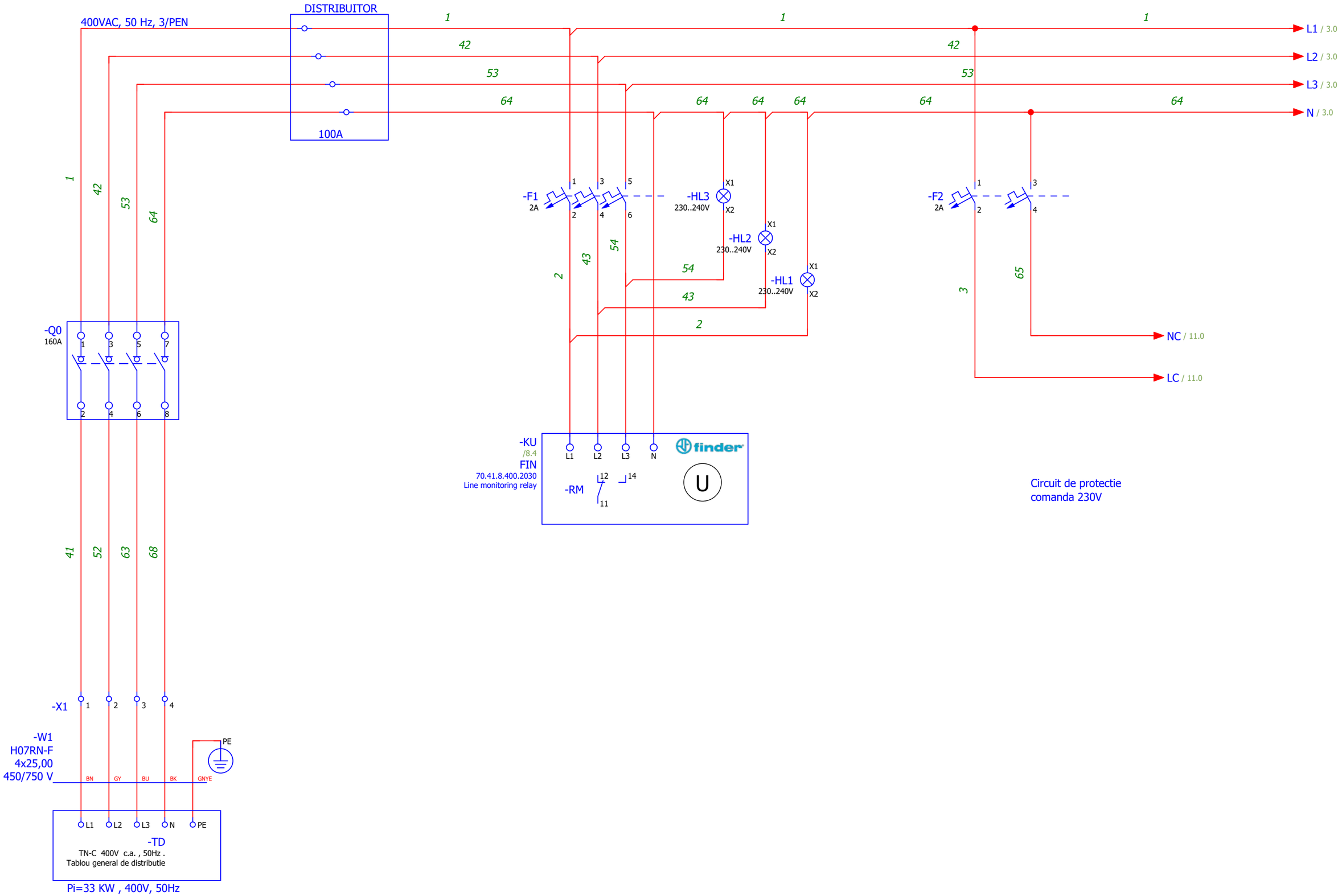
*Prezentul document este CONFIDENȚIAL, proprietate a firmei TEHNIMARKET și se adresează exclusiv destinatarului. Înstrainarea, copierea sau folosirea neautorizată a informațiilor din document fără consimțământul proprietarului atrage răspunderea plății daunelor interese.*

SC TEHNIMARKET SRL

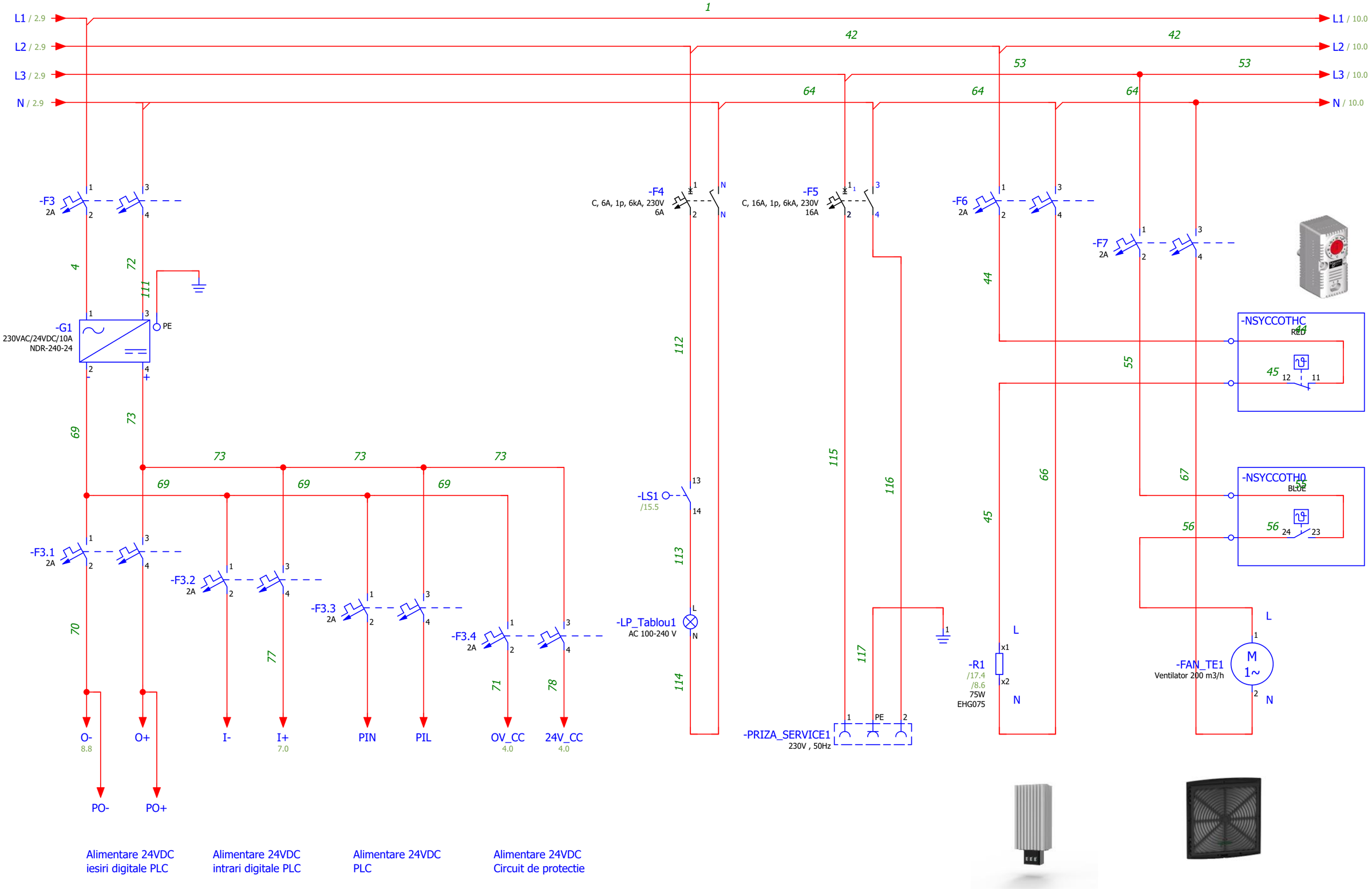
Str. Arcadie Septilici Nr. 1C
60234 BACAU
Phone +49 (0)2173 - 39 64 - 0

| | |
|---|---|
| Company / customer | Statie Sortare _ROIESTI |
| Project description | TE_1_Desfacator de saci |
| Job number | Nr. 304 / 02.03.2023 |
| Commission | EPLAN |
| Manufacturer (company) | SC TEHNIMARKET SRL |
| Path | EPLAN sample project |
| Project name | Desfacator de saci |
| Make | |
| Type | |
| Place of installation | |
| Responsible for project | Murgulet Ioan |
| Part feature | |

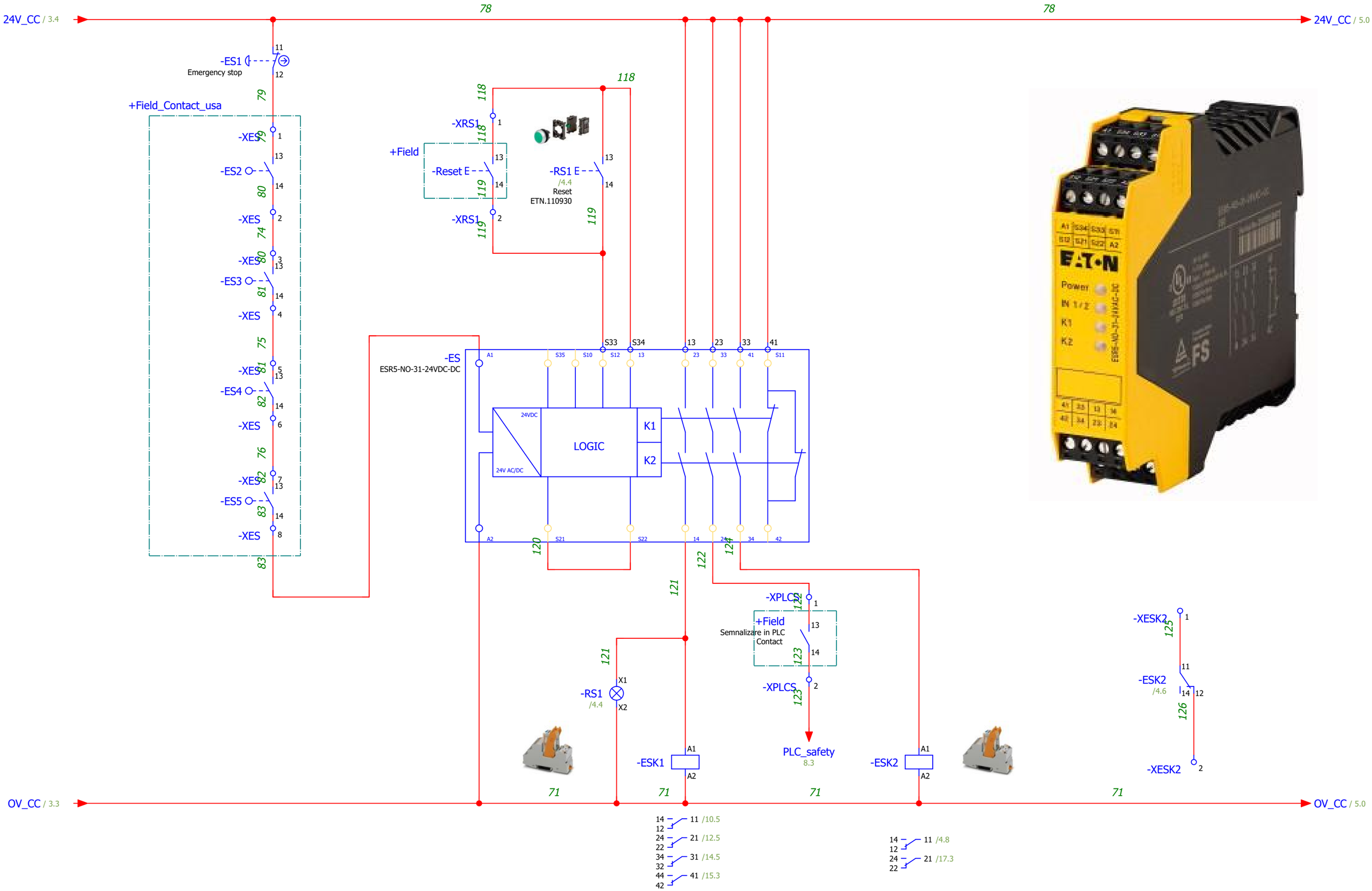
Created on 27/02/2023
Edit date 15/03/2023 by (short name) Nelu
Number of pages 23




| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 15/03/2023 | EPLAN | SC TEHNIMARKET SRL | Alim | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 2 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 2 / 23 |




| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 15/03/2023 | EPLAN | SC TEHNIMARKET SRL | Aux | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 3 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 3 / 23 |

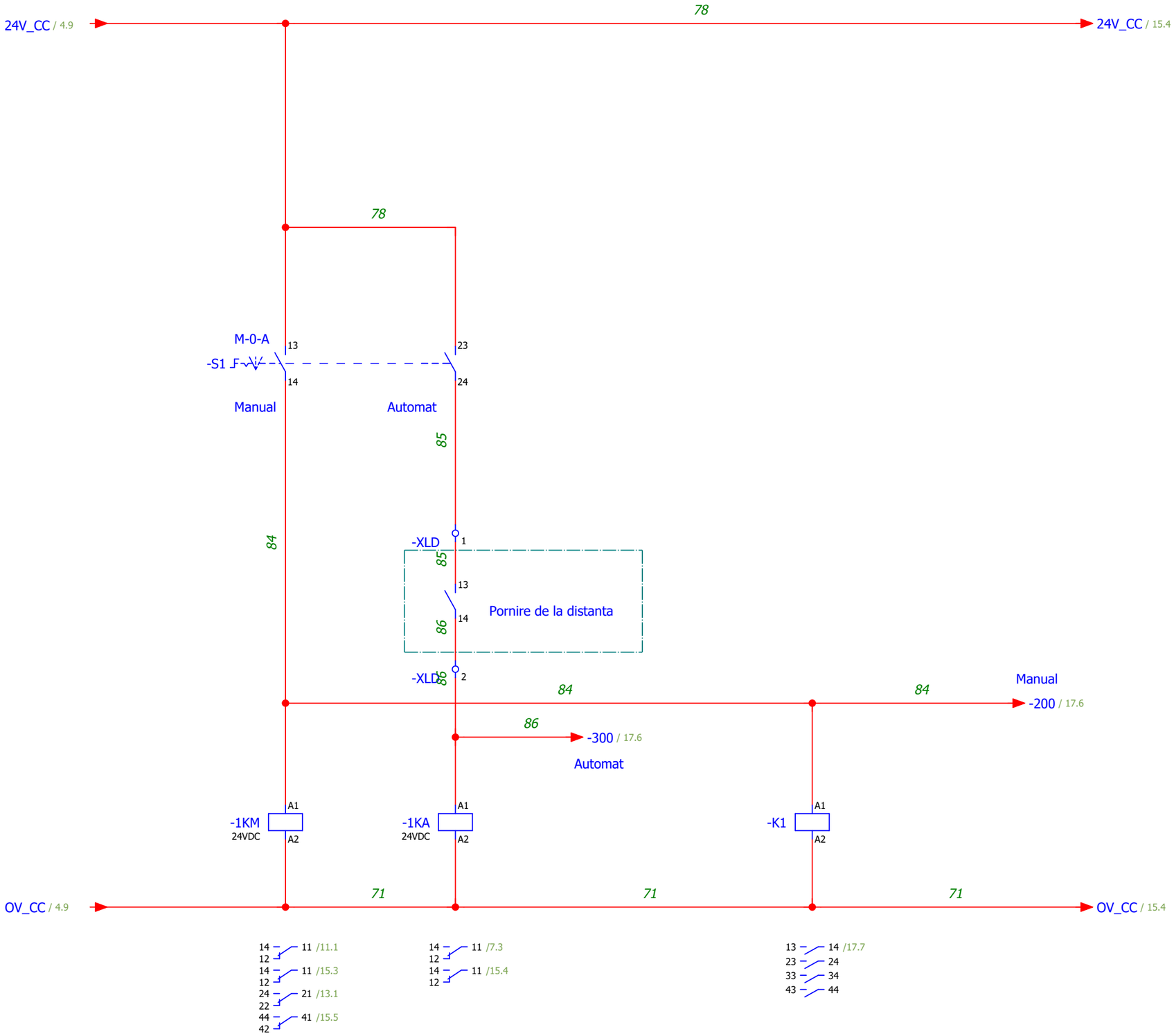






3 5

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 05/03/2023 | EPLAN | SC TEHNIMARKET SRL | Safety Relay | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 4 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 4 / 23 |

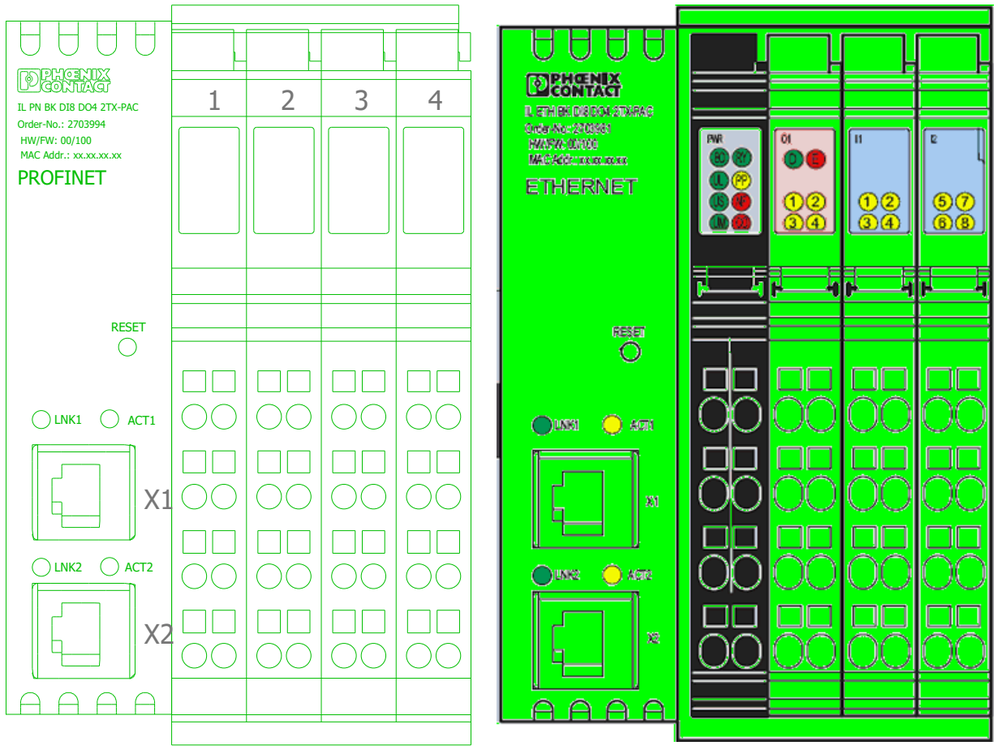




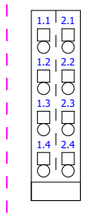

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 15/03/2023 | EPLAN | SC TEHNIMARKET SRL | CDA_MAN_AUT | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 5 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 5 / 23 |

PHOENIX CONTACT

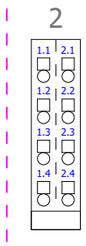
# -A0



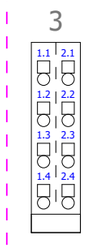

## IL PN BK DI8 DO4 2TX-PAC



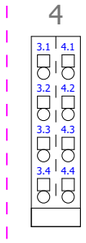

| Address: | Function text: | Symbolic Address: | Crossreference: |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |




| | | | |
|---|---|---|---|
| Q1.4 | | | |
| | | | |
| | | | |
| Q1.5 | | | |
| Q1.6 | | | |
| | | | |
| | | | |
| Q1.7 | C_da_M5 | RQ1 | /8.8 |
| | | | |
| | | | |
| | | | |
| | | | |




| | | | |
|---|---|---|---|
| I2.0 | | | |
| | | | |
| | | | |
| I2.1 | | | |
| I2.2 | | | |
| | | | |
| | | | |
| I2.3 | | | |
| | | | |
| | | | |
| | | | |
| | | | |




| | | | |
|---|---|---|---|
| I2.4 | | | |
| | | | |
| | | | |
| I2.5 | | | |
| I2.6 | Fault | Fault | /8.5 |
| | | | |
| | | | |
| I2.7 | AUT | Regim AUT | /7.3 |
| | | | |
| | | | |
| | | | |
| | | | |



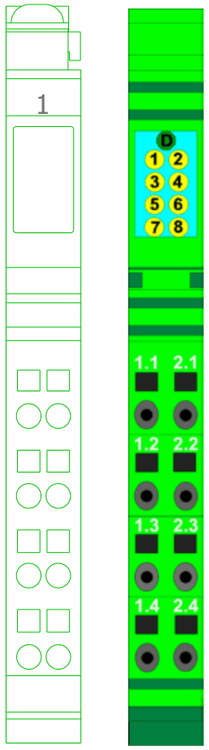

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

5 6.a

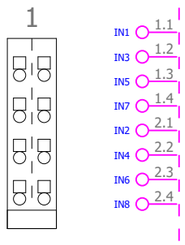
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 02/03/2023 | EPLAN | SC TEHNIMARKET SRL | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 6 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 6 / 23 |

PHOENIX CONTACT

# -A1




## IB IL 24 DI8/HD-PAC



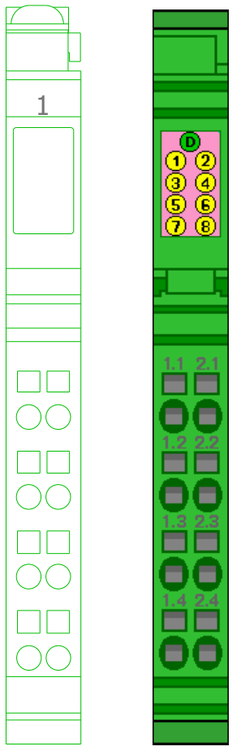

| | | | |
|---|---|---|---|
| I1.0 | Ready | MCB Ready | /7.4 |
| I1.1 | | START/STOP | /7.5 |
| I1.2 | | No Fault | /7.6 |
| I1.3 | Motor2+3 | MCB Ready | /7.7 |
| I1.4 | Motor 2+3 | START/STOP | /8.1 |
| I1.5 | Motor 2+3 | No Fault | /8.2 |
| I1.6 | | Emergency Stop | /8.3 |
| I1.7 | | Prezenta tensiune | /8.4 |



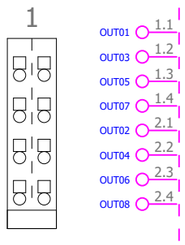
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/02/2023 | EPLAN | SC TEHNIMARKET SRL | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | | |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Nr. 304 / 02.03.2023 | Page 6.a |
| | | | | | | | | | Page 7 / 23 |

PHOENIX CONTACT

# -A2




## IB IL 24 DO 8/HD-ECO




| | | | |
|---|---|---|---|
| Q0.4 | | | /9.1 |
| Q0.5 | | | /9.2 |
| Q0.6 | | | /9.3 |
| Q0.7 | | | /9.4 |
| Q1.0 | | | /9.5 |
| Q1.1 | | | /9.6 |
| Q1.2 | | | /9.7 |
| Q1.3 | | | /9.9 |

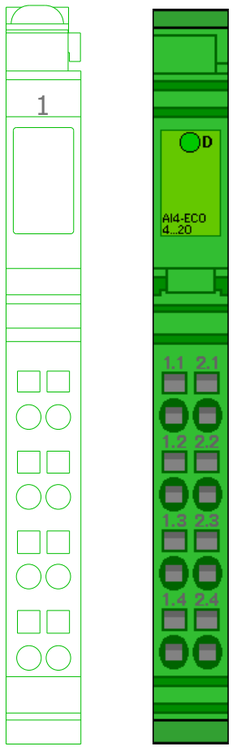
6.a

6.c

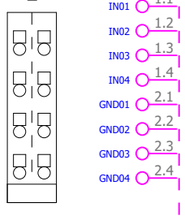
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 02/03/2023 | EPLAN | SC TEHNIMARKET SRL | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 6.b |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 8 / 23 |

PHOENIX CONTACT

# -A3




## IB IL AI 4/I/4-20-ECO




| | | | |
|---|---|---|---|
| ID0 | | | |
| ID4 | U2_AQ+ | Curent M2 | /7.0 |
| ID8 | U3_AQ+ | Curent M3 | /7.2 |
| ID12 | | | |

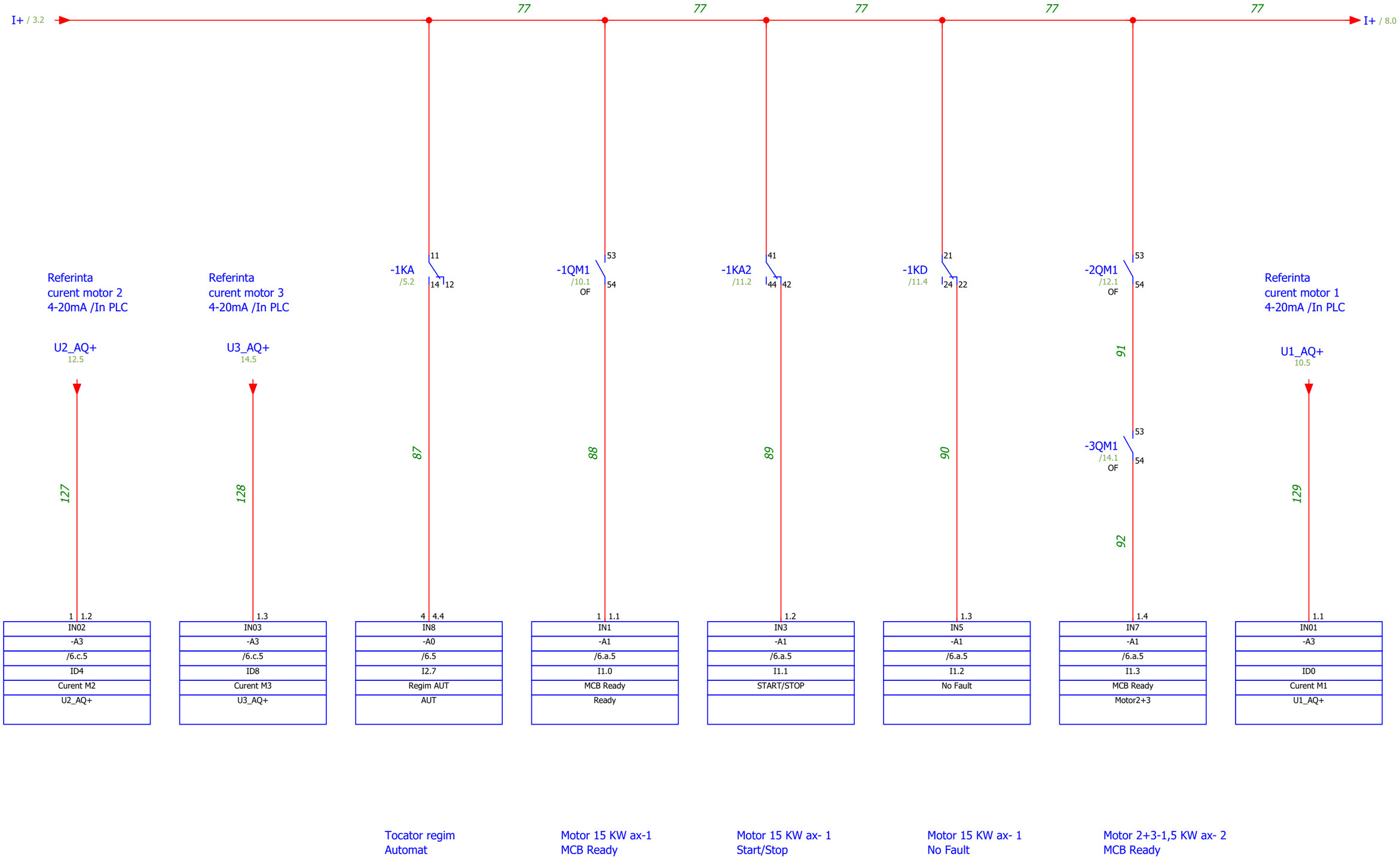
| | | | |
|---|---|---|---|

| | | | |
|---|---|---|---|

| | | | |
|---|---|---|---|

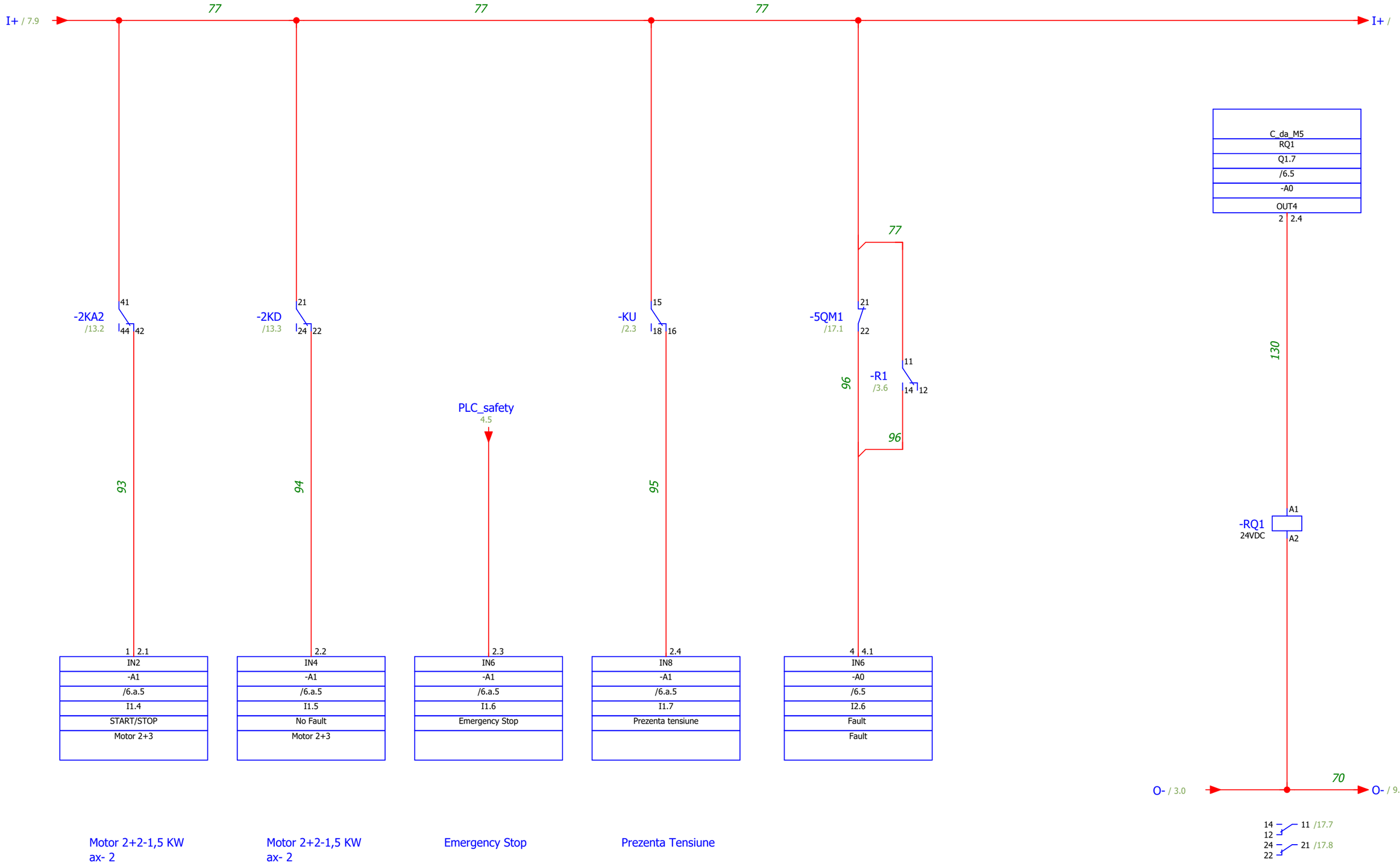


| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 02/03/2023 | EPLAN | SC TEHNIMARKET SRL | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 6.c |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 9 / 23 |



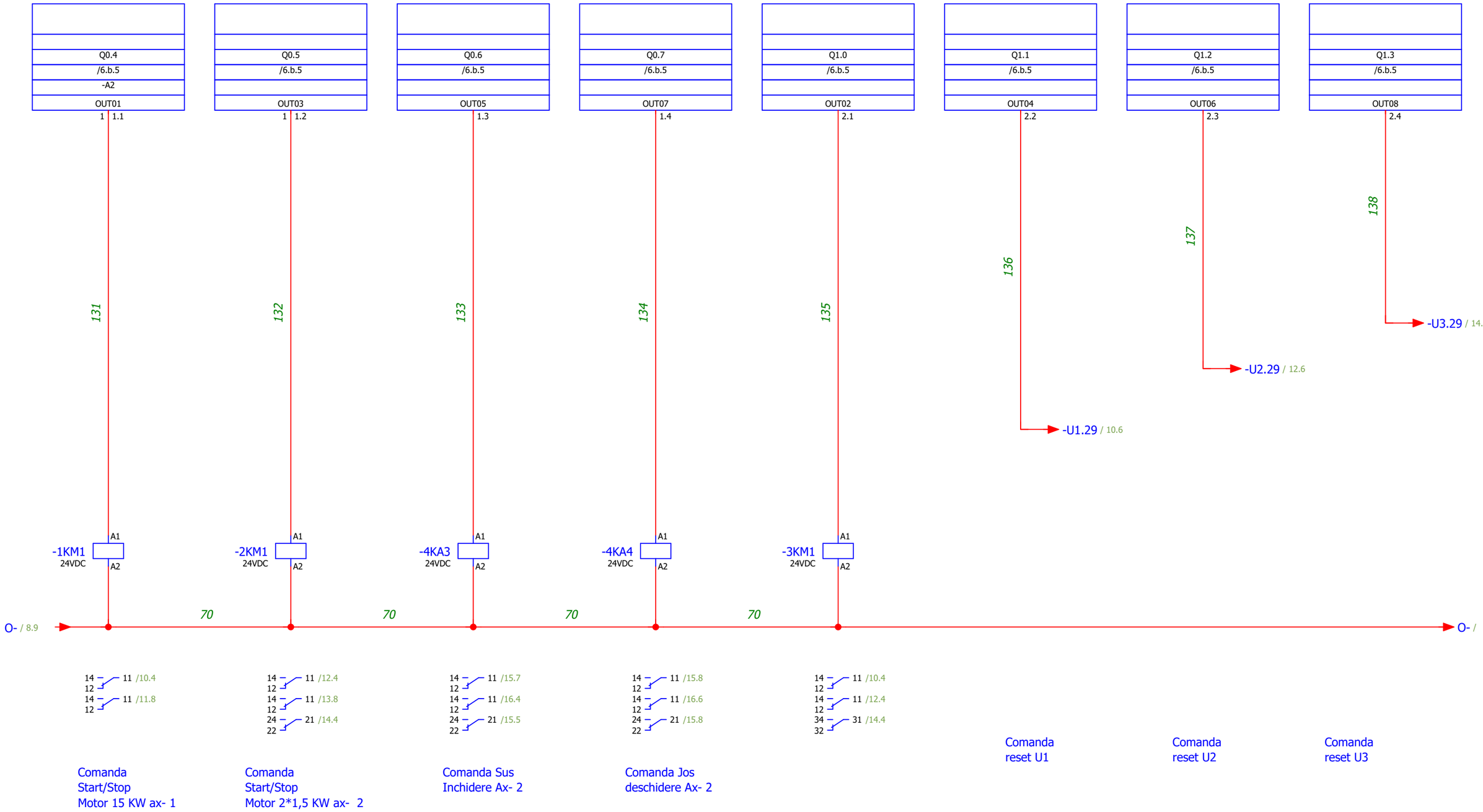



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 05/03/2023 | EPLAN | SC TEHNIMARKET SRL | Intrari semnale DI | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 7 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 10 / 23 |



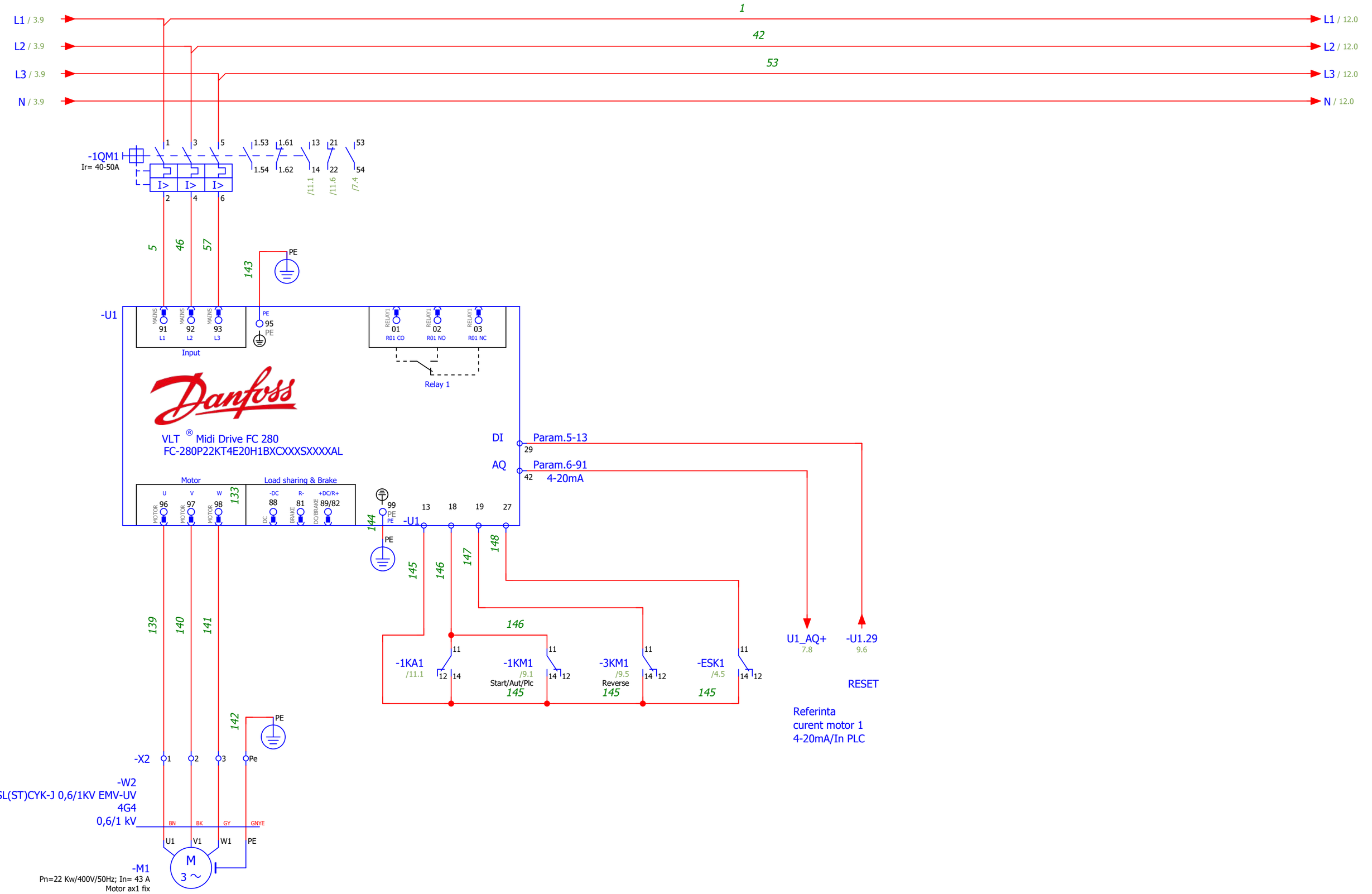



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 15/03/2023 | EPLAN | SC TEHNIMARKET SRL | Intrari semnale DI | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 8 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 11 / 23 |



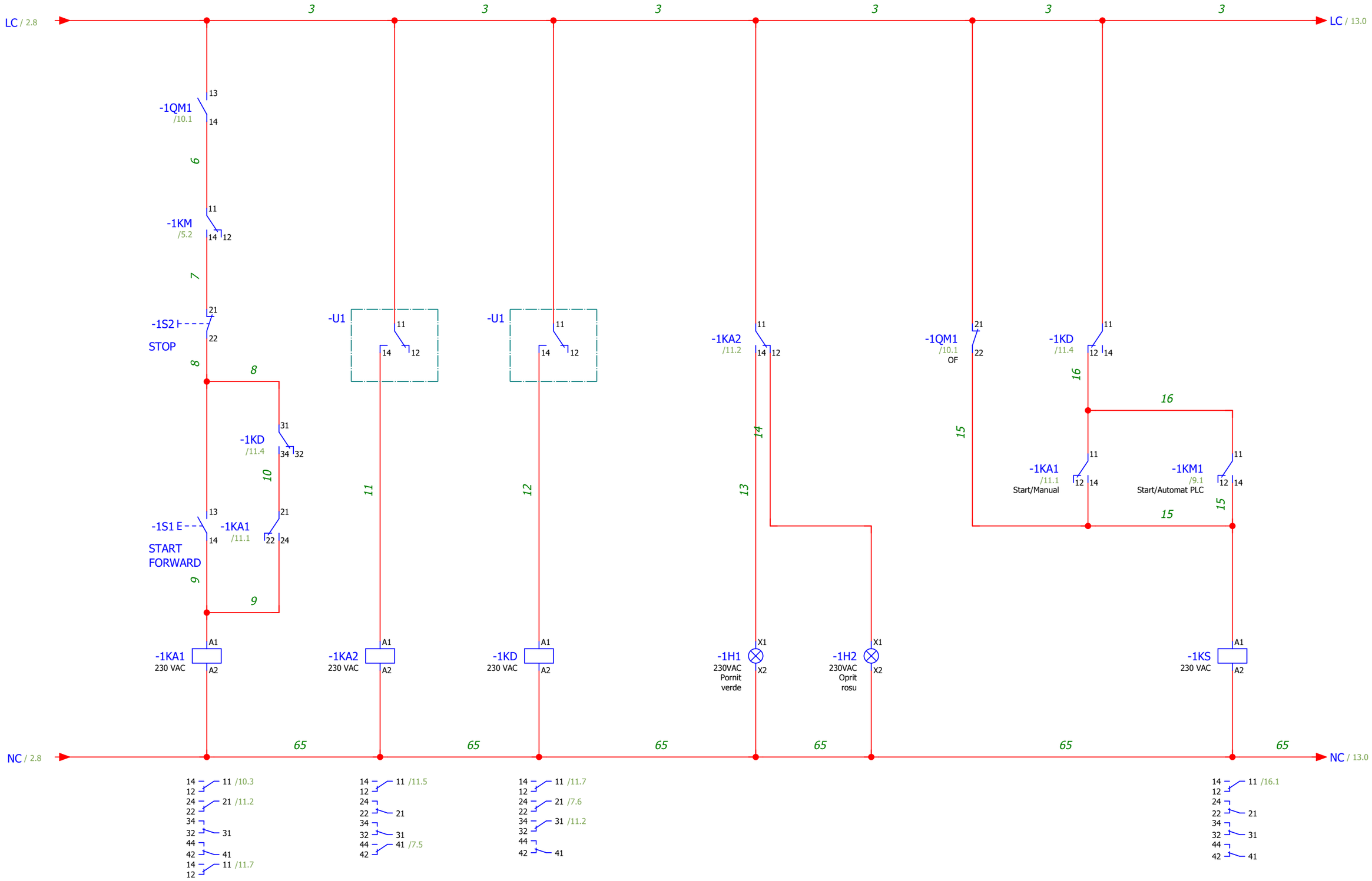



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 05/03/2023 | EPLAN | SC TEHNIMARKET SRL | Iesiri digitale DQ | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 9 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 12 / 23 |



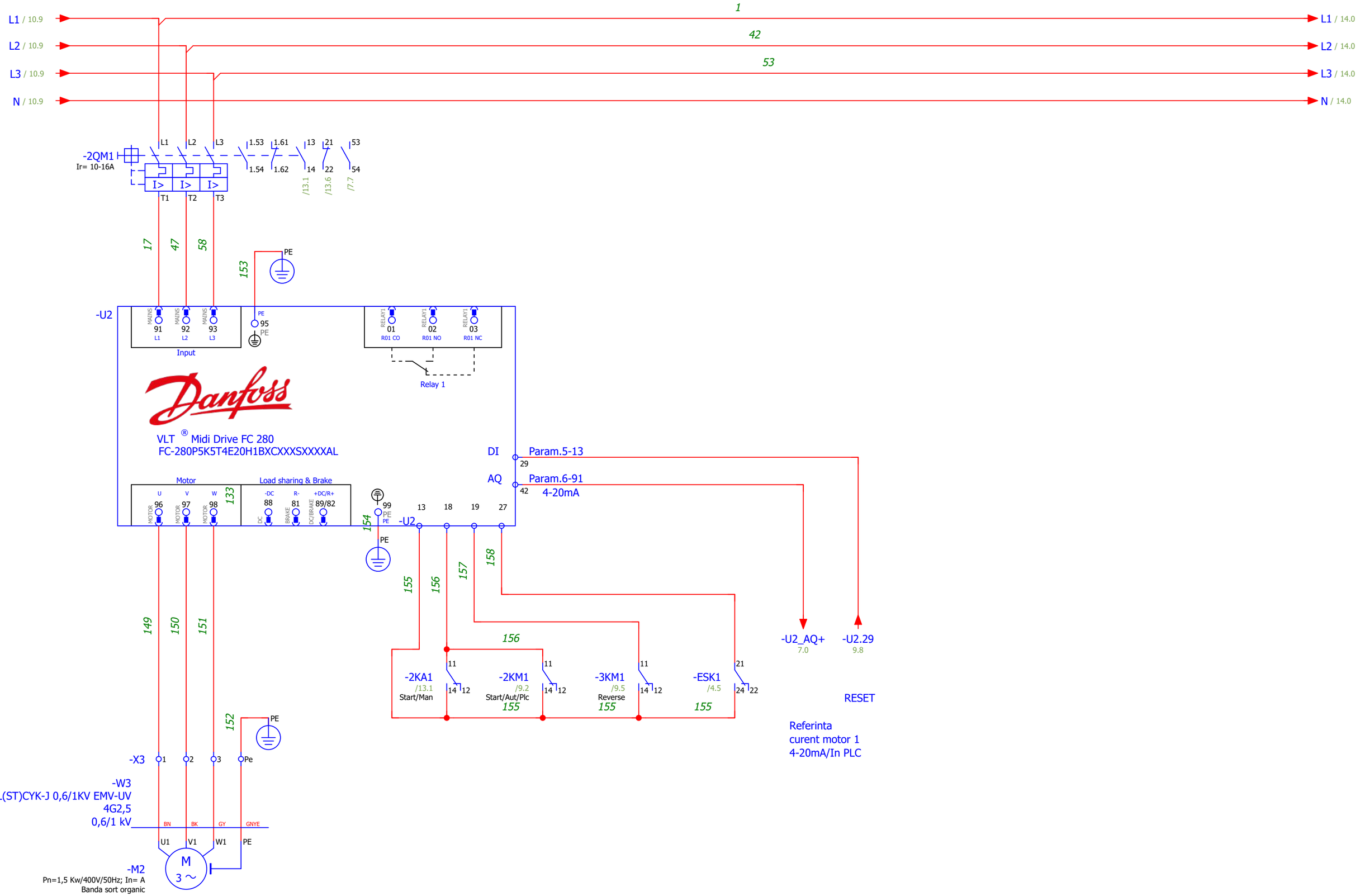



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 05/03/2023 | EPLAN | SC TEHNIMARKET SRL | Circ_Forta_M_30 KW ax tocator 1 fix | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_1_Desfacator de saci | | | | | |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Nr. 304 / 02.03.2023 | Page | 10 |
| | | | | | | | | | Page | 13 / 23 |



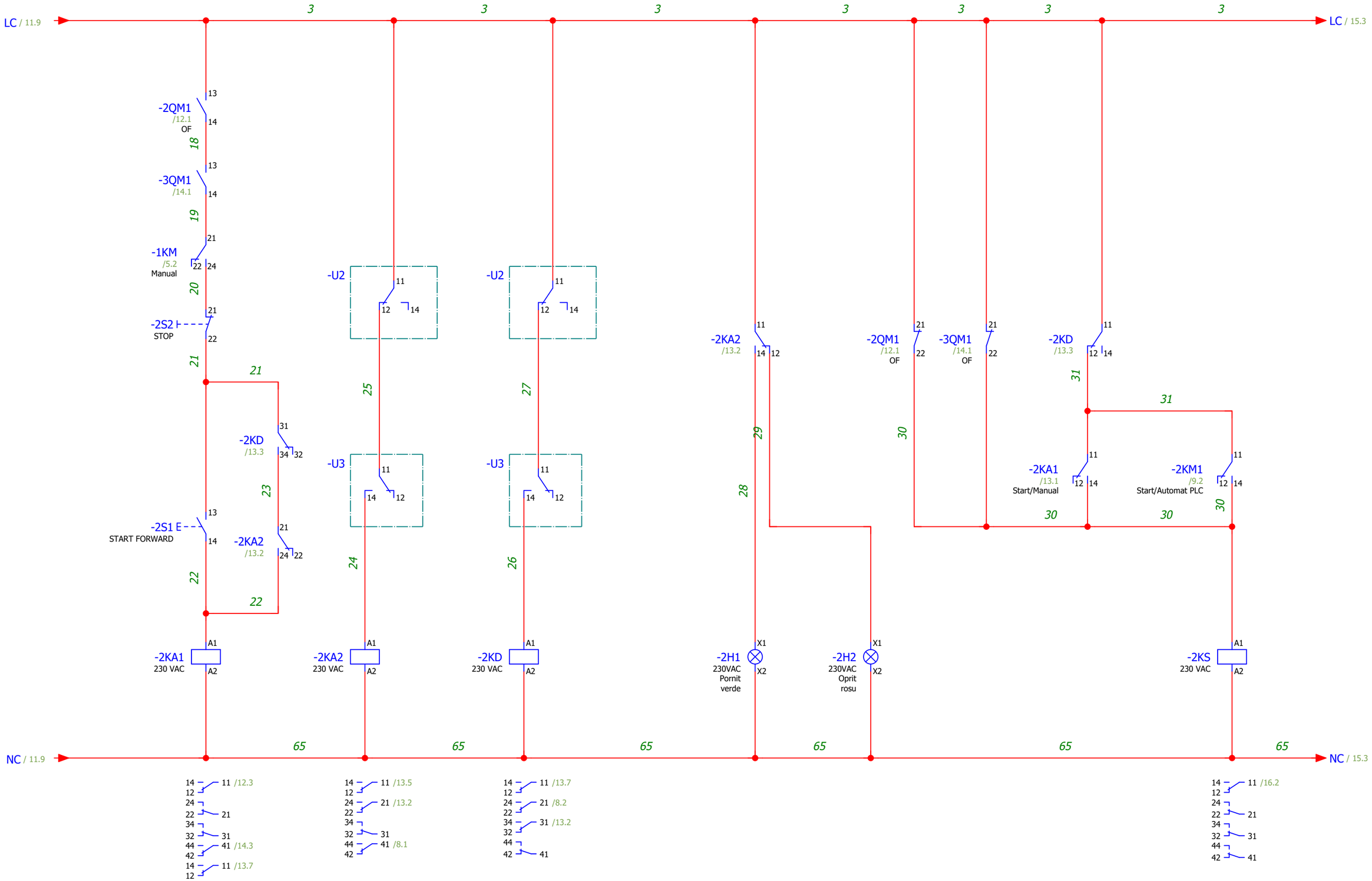



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 15/03/2023 | EPLAN | SC TEHNIMARKET SRL | Circ_Comanda_M_22KW | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 11 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 14 / 23 |



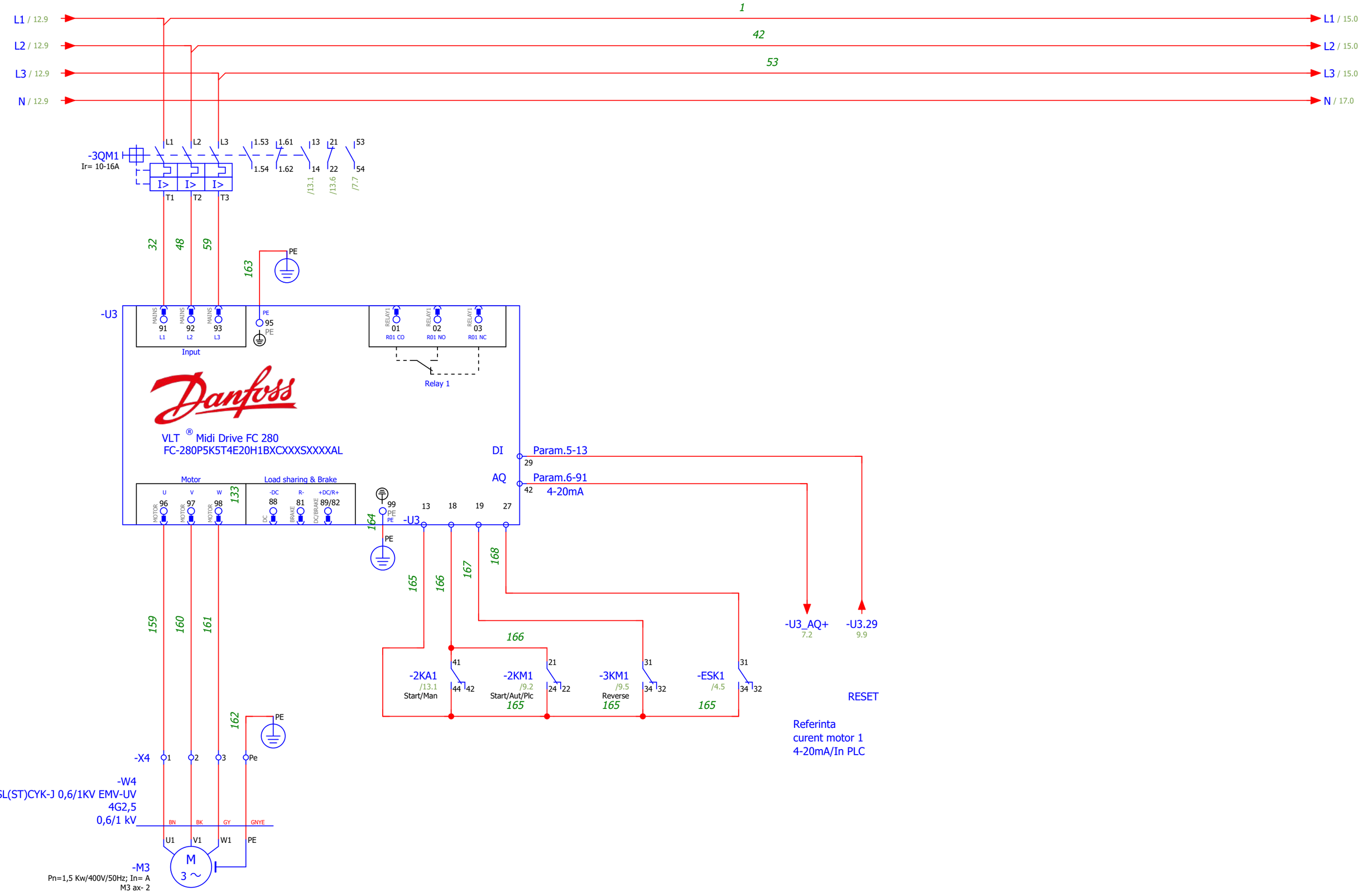

11 13

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 05/03/2023 | EPLAN | SC TEHNIMARKET SRL | Circ_Forta_M_2-1,5 KW ax 2 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 12 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 15 / 23 |



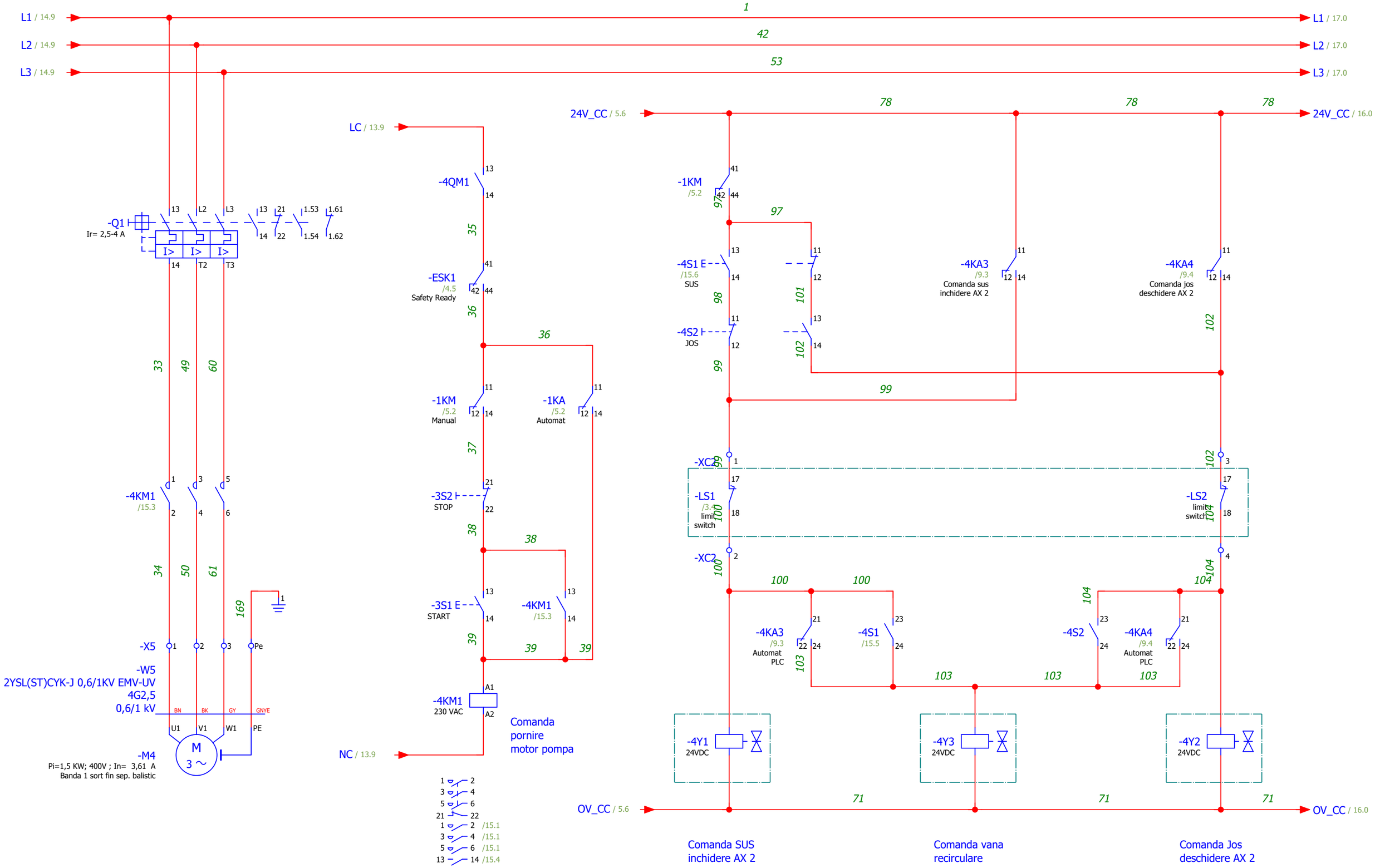

12 14

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 05/03/2023 | EPLAN | SC TEHNIMARKET SRL | Circ_Comanda_M_2-1,5 KW ax 2 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 13 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 16 / 23 |




13 15

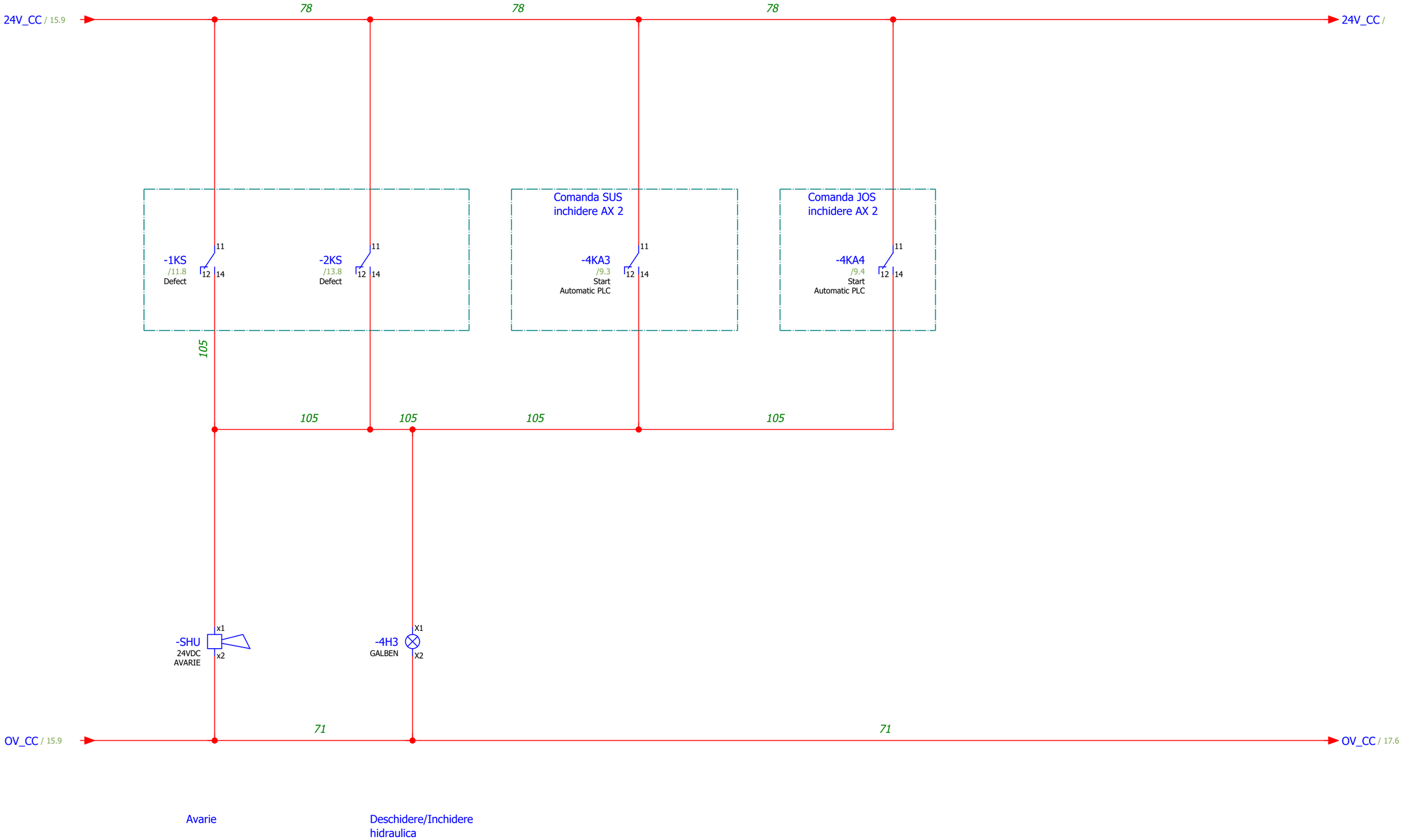
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 05/03/2023 | EPLAN | SC TEHNIMARKET SRL | Circ_forta_M_3-1,5 KW ax 2 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 14 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 17 / 23 |




14

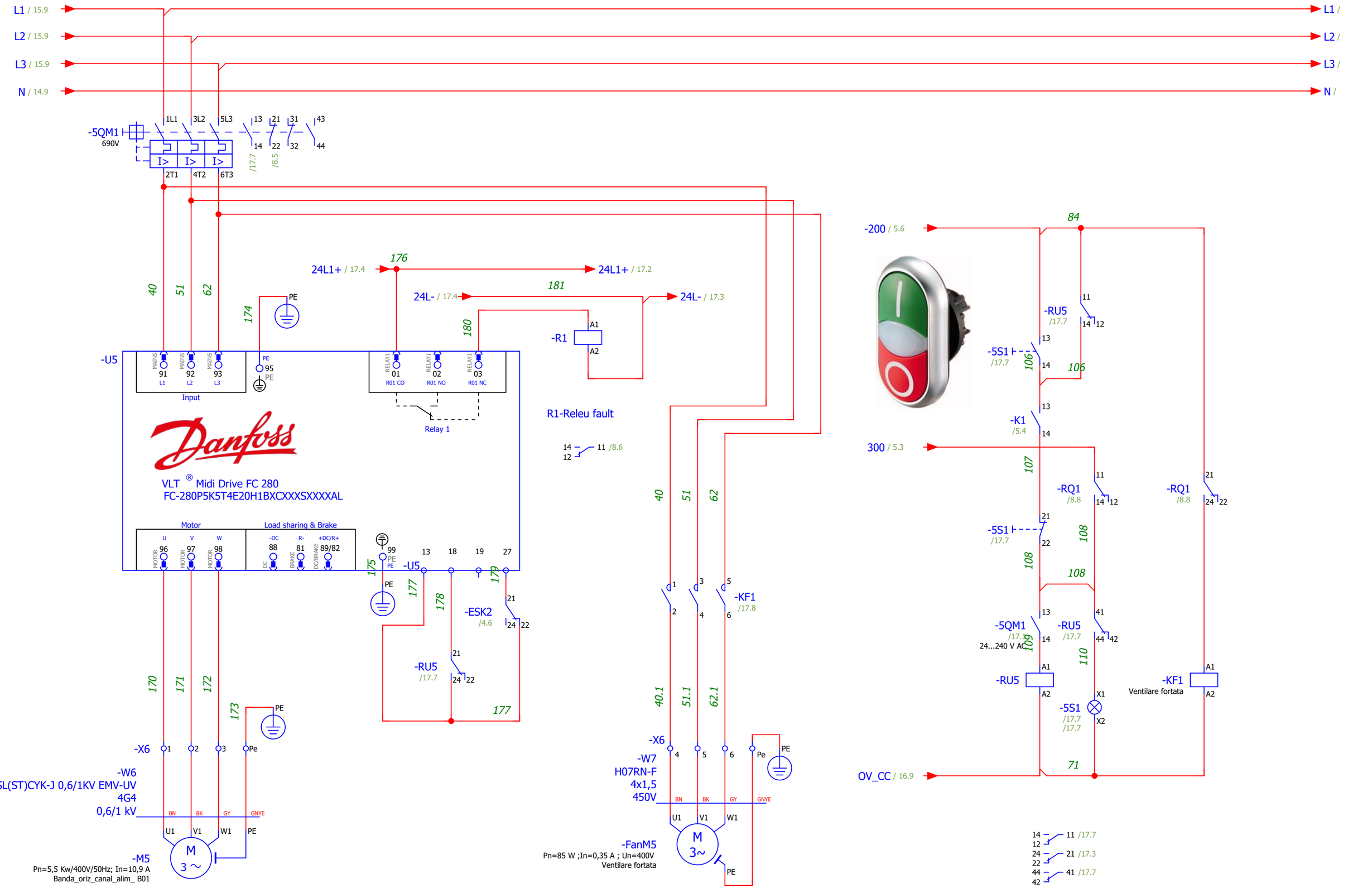
16

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 15/03/2023 | EPLAN | SC TEHNIMARKET SRL | Circ_Comanda_Pompa_Hidraulica | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page | 15 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page | 18 / 23 |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 05/03/2023 | EPLAN | SC TEHNIMARKET SRL | Comanda_semn_acustica | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 16 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 19 / 23 |




16 18

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 15/03/2023 | EPLAN | SC TEHNIMARKET SRL | Circ_forta_banda_B01 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 17 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 20 / 23 |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| | 0 | | | | |
| | 1 | Bus coupler | IL PN BK DI8 DO4 2TX-PAC | PXC | PXC.2703994 |
| | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| | 1 | Inline terminal | IB IL 24 DO 8/HD-ECO | | PXC.2702793 |
| | 1 | Inline terminal | IB IL AI 4/I/4-20-ECO | | PXC.2702495 |
| -A0 | 1 | Bus coupler | IL PN BK DI8 DO4 2TX-PAC | PXC | PXC.2703994 |
| -A0 | 0 | | | | |
| -A1 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A2 | 1 | Inline terminal | IB IL 24 DO 8/HD-ECO | | PXC.2702793 |
| -A3 | 1 | Inline terminal | IB IL AI 4/I/4-20-ECO | | PXC.2702495 |
| -A5 | 1 | Bus coupler | IL PN BK DI8 DO4 2TX-PAC | PXC | PXC.2703994 |
| -A? | 0 | | | | |
| -ES | 1 | Safety relay emergency stop/protective door, 24VDC/AC, 3 enabling paths | ESR5-NO-31-24VAC-DC | ETN | ETN.ESR5-NO-31-24VAC-DC |
| -ES1 | 1 | Emergency-stop pushbutton, non-illuminated, turn-release | M22-PVT | ETN | ETN.M22-PVT |
| -ES1 | 1 | Contact element, 1N/O, front mount, 6. contact, screw connection | M22-K10 | ETN | ETN.M22-K10 |
| -ES2 | 0 | | | | |
| -ES3 | 0 | | | | |
| -ES4 | 0 | | | | |
| -ES5 | 0 | | | | |
| -ESK1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -ESK2 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -F1 | 1 | Over current switch, 2A, 3p, C-Char, AC | PXL-C2/3 | ETN | ETN.PXL-C2/3 |
| -F2 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F3 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F3.1 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F3.2 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F3.3 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F3.4 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F4 | 1 | Over current switch, 6A, 1Np, C-Char, AC | FAZ-PN-C6/1N | ETN | ETN.FAZ-PN-C6/1N |
| -F5 | 1 | Over current switch, 16A, 1Np, C-Char, AC | FAZ-PN-C16/1N | ETN | ETN.FAZ-PN-C16/1N |
| -F6 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F7 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -FAN_TE1 | 0 | | | | |
| -G1 | 0 | | | | |
| -1H1 | 1 | Indicator light, 230V AC/DC, green | C22-L-G-230 | ETN | ETN.C22-L-G-230 |
| -1H2 | 1 | Indicator light, 230V AC/DC, red | C22-L-R-230 | ETN | ETN.C22-L-R-230 |
| -2H1 | 1 | Indicator light, 230V AC/DC, green | C22-L-G-230 | ETN | ETN.C22-L-G-230 |
| -2H2 | 1 | Indicator light, 230V AC/DC, red | C22-L-R-230 | ETN | ETN.C22-L-R-230 |
| -4H3 | 1 | Indicator light, 230V AC/DC, yellow | C22-L-Y-230 | ETN | ETN.C22-L-Y-230 |
| -HL1 | 1 | LED element, white, front mount, 85-264VAC | M22-LED230-W | ETN | ETN.M22-LED230-W |
| -HL1 | 1 | | | | ETN.M22-L-W |
| -HL2 | 1 | LED element, white, front mount, 85-264VAC | M22-LED230-W | ETN | ETN.M22-LED230-W |
| -HL2 | 1 | | | | ETN.M22-L-W |
| -HL3 | 1 | LED element, white, front mount, 85-264VAC | M22-LED230-W | ETN | ETN.M22-LED230-W |
| -HL3 | 1 | | | | ETN.M22-L-W |
| -K1 | 1 | Contactor relay, 4N/O, AC | DILER-40(24V50HZ) | ETN | ETN.DILER-40(24V50HZ) |
| -1KA | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -1KA1 | 1 | Miniature general purpose relay, 4 pole, 7 A - AC (50/60 Hz) - 230 V - AgNi - Lockable test button + mechanical indicator | 55.34.8.230.0040 | ETN | FIN.55.34.8.230.0040 |
| -1KA1 | 1 | Push-in terminal socket panel, for 55.32/55.34 | 94.P4 | | FIN.94.P4 |
| -1KA2 | 1 | Miniature general purpose relay, 4 pole, 7 A - AC (50/60 Hz) - 230 V - AgNi - Lockable test button + mechanical indicator | 55.34.8.230.0040 | | FIN.55.34.8.230.0040 |
| -1KA2 | 1 | Push-in terminal socket panel, for 55.32/55.34 | 94.P4 | | FIN.94.P4 |
| -2KA1 | 1 | Miniature general purpose relay, 4 pole, 7 A - AC (50/60 Hz) - 230 V - AgNi - Lockable test button + mechanical indicator | 55.34.8.230.0040 | | FIN.55.34.8.230.0040 |
| -2KA1 | 1 | Push-in terminal socket panel, for 55.32/55.34 | 94.P4 | | FIN.94.P4 |
| -2KA2 | 1 | Miniature general purpose relay, 4 pole, 7 A - AC (50/60 Hz) - 230 V - AgNi - Lockable test button + mechanical indicator | 55.34.8.230.0040 | | FIN.55.34.8.230.0040 |
| -2KA2 | 1 | Push-in terminal socket panel, for 55.32/55.34 | 94.P4 | | FIN.94.P4 |
| -4KA3 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -4KA4 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -1KD | 1 | Miniature general purpose relay, 4 pole, 7 A - AC (50/60 Hz) - 230 V - AgNi - Lockable test button + mechanical indicator | 55.34.8.230.0040 | | FIN.55.34.8.230.0040 |
| -1KD | 1 | Push-in terminal socket panel, for 55.32/55.34 | 94.P4 | | FIN.94.P4 |
| -2KD | 1 | Miniature general purpose relay, 4 pole, 7 A - AC (50/60 Hz) - 230 V - AgNi - Lockable test button + mechanical indicator | 55.34.8.230.0040 | | FIN.55.34.8.230.0040 |
| -2KD | 1 | Push-in terminal socket panel, for 55.32/55.34 | 94.P4 | | FIN.94.P4 |
| -1KM | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -1KM1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -2KM1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -3KM1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -4KM1 | 1 | Power contactor, AC switching | DILM9-01-EA(230V50HZ,240V60HZ) | | ETN.190031 |
| -1KS | 1 | Miniature general purpose relay, 4 pole, 7 A - AC (50/60 Hz) - 230 V - AgNi - Lockable test button + mechanical indicator | 55.34.8.230.0040 | | FIN.55.34.8.230.0040 |
| -1KS | 1 | Push-in terminal socket panel, for 55.32/55.34 | 94.P4 | | FIN.94.P4 |
| -2KS | 1 | Miniature general purpose relay, 4 pole, 7 A - AC (50/60 Hz) - 230 V - AgNi - Lockable test button + mechanical indicator | 55.34.8.230.0040 | | FIN.55.34.8.230.0040 |
| -2KS | 1 | Push-in terminal socket panel, for 55.32/55.34 | 94.P4 | | FIN.94.P4 |
| -KU | 1 | Monitoring relay, 3 phase + neutral AC line monitoring - AC (50/60 Hz) - 380...415 V | 70.41.8.400.2030 | FIN | FIN.70.41.8.400.2030 |
| -LP_Tablou1 | 1 | | | | STE.02540.0-03 |
| -LS1 | 1 | | | | ETN.LS-11 |
| -M1 | 0 | | | | |
| -M2 | 0 | | | | |
| -M3 | 0 | | | | |
| -M4 | 0 | | | | |
| -M5 | 0 | | | | |
| -NSYCCOTH0 | 0 | | | | |
| -NSYCCOTHC | 0 | | | | |
| -PRIZA_SERVICE1 | 0 | | | | |
| -Q0 | 1 | Switch-disconnector Compact INS160 - 4 poles - 160 A | 28913 | SE | SE.28913 |
| -Q1 | 1 | Standard auxiliary contact, 1N/O+1N/C, screw connection | NHI11-PKZ0 | ETN | ETN.NHI11-PKZ0 |
| -Q1 | 1 | Standard auxiliary contact, 1N/O+1N/C, flush mounting, screw connection | NHI-E-11-PKZ0 | ETN | ETN.NHI-E-11-PKZ0 |
| -Q1 | 1 | Motor-protective circuit-breaker, 3p, Ir=2.5-4A | PKZM01-4 | ETN | ETN.PKZM01-4 |
| -1QM1 | 1 | Motor-protective circuit-breaker, 3p, Ir= 40 - 50 A, screw connection | PKZM4-50-EA | ETN | ETN.PKZM4-50-EA |
| -1QM1 | 1 | Standard auxiliary contact, 1N/O+1N/C, flush mounting, screw connection | NHI-E-11-PKZ0 | ETN | ETN.NHI-E-11-PKZ0 |
| -2QM1 | 1 | Motor-protective circuit-breaker, 3p, Ir=10-16A, screw connection | PKZM0-16 | ETN | ETN.PKZM0-16 |
| -2QM1 | 1 | Standard auxiliary contact, 1N/O+1N/C, flush mounting, screw connection | NHI-E-11-PKZ0 | ETN | ETN.NHI-E-11-PKZ0 |
| -3QM1 | 1 | Motor-protective circuit-breaker, 3p, Ir=10-16A, screw connection | PKZM0-16 | ETN | ETN.PKZM0-16 |
| -3QM1 | 1 | Standard auxiliary contact, 1N/O+1N/C, flush mounting, screw connection | NHI-E-11-PKZ0 | ETN | ETN.NHI-E-11-PKZ0 |
| -5QM1 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -5QM1 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -5QM1 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -R1 | 1 | | | | EHG060 |
| -R1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RQ1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RS1 | 2 | Push-button actuator, complete unit | M22-DL-G-K10LED-BVP | ETN | ETN.110930 |
| -RU5 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -S1 | 1 | Monolithic selector switch - Ø 22 - black - standard handle - 3 positions - 2 NO | | SE | SE.XB7ND33 |
| -1S1 | 0 | | | | |
| -2S1 | 0 | | | | |
| -3S1 | 0 | | | | |
| -4S1 | 0 | | | | |
| -5S1 | 1 | Double actuator pushbutton, +indicator light, green I/white/red 0 | M22-DDL-GR-X1/X0 | ETN | ETN.M22-DDL-GR-X1/X0 |
| -SHU | 0 | | | | |
| -TD | 0 | | | | |
| -U1 | 0 | | | | |
| -U2 | 0 | | | | |
| -U3 | 0 | | | | |
| -U5 | 0 | | | | |
| -4Y1 | 0 | | | | |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -4Y2 | 0 | | | | |
| -4Y3 | 0 | | | | |
| +Field-Reset | 0 | | | | |

18.a

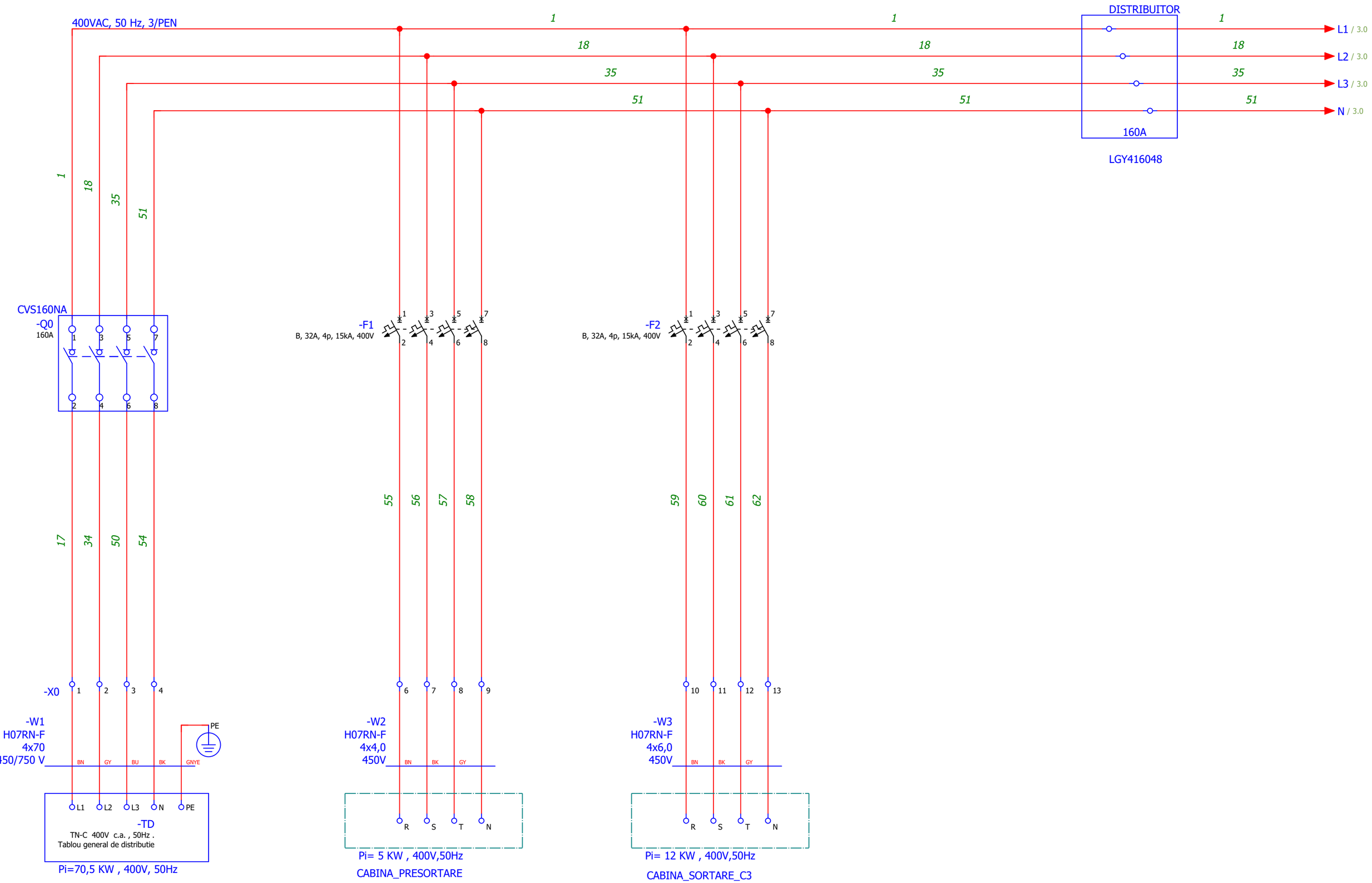
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 05/03/2023 | EPLAN | SC TEHNIMARKET SRL | Parts list : - | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_1_Desfacator de saci | | | Nr. 304 / 02.03.2023 | Page 18.b |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 23 / 23 |

Sc TEHNIMARKET Srl.

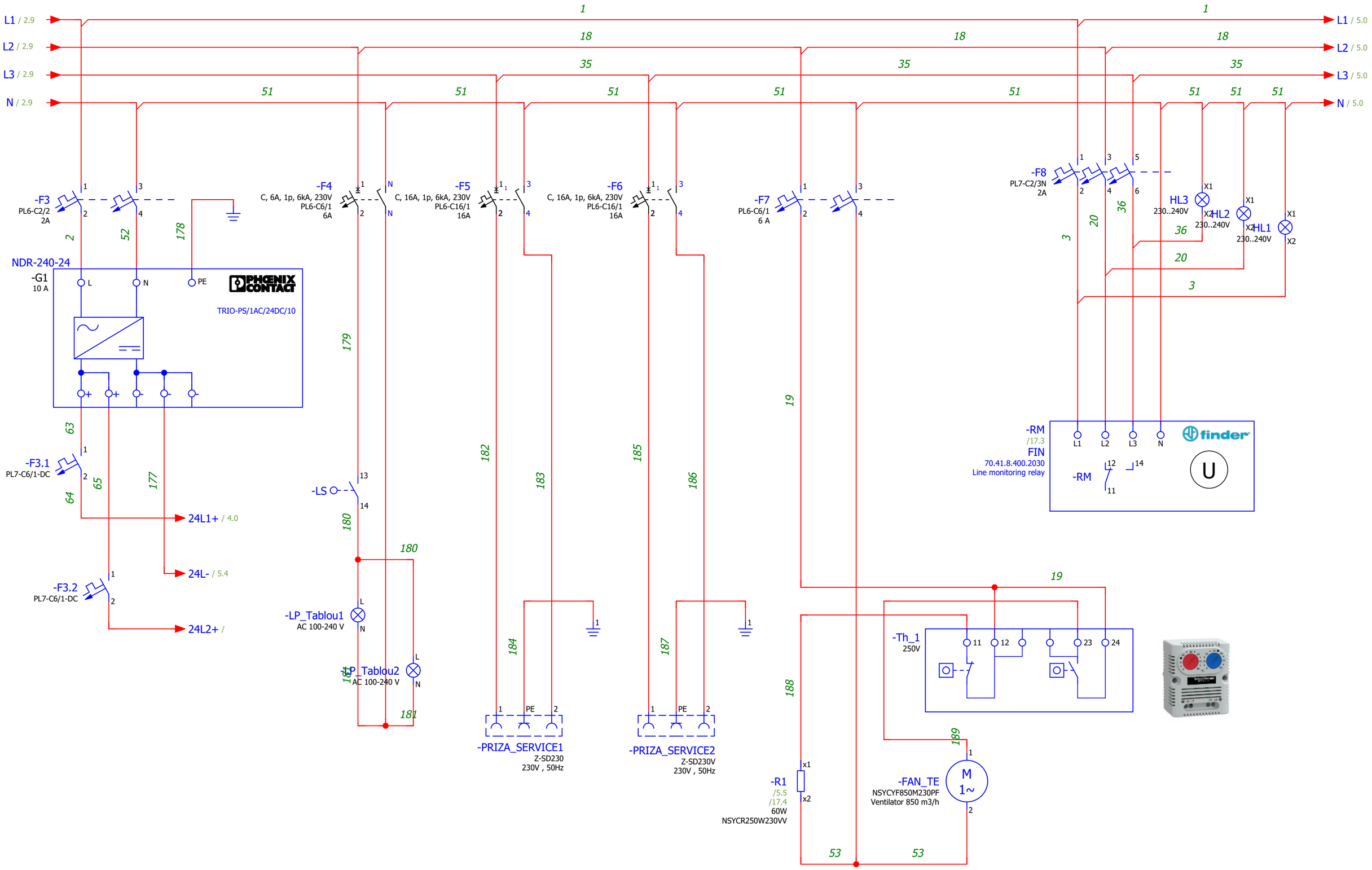
Str. Arcadie Septilici Nr. 1 C
600234 BACAU
Phone +49 (0)2173 - 39 64 - 0

| | |
|---|---|
| Company / customer | Statie sortare ROIESTI |
| Project description | TE_Benzi alim ciur, cab presortare, sep optic |
| Job number | |
| Commission | EPLAN |
| Manufacturer (company) | Sc TEHNIMARKET Srl. |
| Path | EPLAN sample project |
| Project name | TE_2_Benzi_acc_sep |
| Make | |
| Type | |
| Place of installation | |
| Responsible for project | Murgulet Ioan |
| Part feature | |

Created on 25/04/2023
Edit date 03/07/2023 by (short name) Nelu
Number of pages 40




| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | Alim | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | Page | 2 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page | 2 / 40 |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | Echip.aux.tablou | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 3 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 3 / 40 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|

24L1+ / 4.9

64 64 64 64 64 64 64

24L1+ / 4.a.0

-BU0
Red

EMERGENCY STOP PE T.E.
-BU0.22 / 19.0

CAMP -BU1
EMERGENCY STOP 1
-BU1.22 / 19.1

CAMP -BU2
EMERGENCY STOP 2
-BU2.22 / 19.2

CAMP -BU3
EMERGENCY STOP 3
-BU3.22 / 19.3

CAMP -BU4
EMERGENCY STOP 4
-BU4.22 / 19.4

CAMP -BU5
EMERGENCY STOP 5
-BU5.22 / 19.6

-BU_IN_CABINE_SORTARE_1 / 4.c.1

79
-BU_IN_CABINE_SORTARE_2 / 4.c.1

-F9
C 6A

78

-ES1
ESR5-NO-31-24VDC-DC

190 193

A1 S11 S12 S21 S22 13 33 33 41
24VDC
LOGIC
K1
K2
24V AC/DC
A2 S33 S34 14 24 34 42




3 1.1
IN1
-A0
/27.5
I2.0
Safety relay OK
Confirmare

191

-RS1 E
/4.6
Reset
ETN.110930

13
14

192

195

-RS1
-RS1

X1
X2
194

24L1+ / 3.1

64

24L1+ / 4.0

3

4.a

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 03/07/2023 | EPLAN | Sc TEHNIMARKET Srl. | Safety relay | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | Page 4 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 4 / 40 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|

24L1+ / 4.a.9

64 64 64 64 64

24L1+ / 4.b.0

-F10
C 6A
1
2

CAMP
-PRS_1
-X3
1
11
12
2
64
80
64
3
13
14
4
82
82
STOP & GO
-PRS_1 / 20.1

CAMP
-PRS_2
-X3
5
11
12
6
80
64
81
7
13
14
8
83
83
STOP & GO
-PRS_2 / 20.2

84

196 198

-ES2
ESR5-NO-31-24VDC-DC
A1 S11 S12 S21 S22 13 33 33 41
24VDC
24V AC/DC
LOGIC
K1
K2
A2 S33 S34 14 24 34 42




3 1.4
IN3
-A0
/27.5
I2.1
Safety relay Presortare
Initializare temporizare stop banda

81

197 199

24L1+ / 4.9

24L1+ / 4.a.0

4

4.b

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 03/07/2023 | EPLAN | Sc TEHNIMARKET Srl. | Safety relay | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 4.a |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 5 / 40 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|

24L1+ / 4.b.9

64

CAMP -C3_1 -X3 64 9 11 85 12 -X3 10 64 12 13 93 14 -X3 93 13 STOP & GO -BUC3_1 / 21.0

CAMP -C3_2 -X3 85 14 11 86 12 -X3 15 64 16 13 94 14 -X3 94 17 STOP & GO -BUC3_2 / 21.2

CAMP -C3_3 -X3 86 18 11 87 12 -X3 19 64 20 13 95 14 -X3 95 21 STOP & GO -BUC3_3 / 21.3

CAMP -C3_4 -X3 87 22 11 88 12 -X3 23 64 24 13 96 14 -X3 96 25 STOP & GO -BUC3_4 / 21.4

CAMP -C3_5 -X3 88 26 11 89 12 -X3 27 64 28 13 97 14 -X3 97 29 STOP & GO -BUC3_5 / 21.5

CAMP -C3_6 -X3 89 30 11 90 12 -X3 31 64 32 13 98 14 -X3 98 33 STOP & GO -BUC3_6 / 21.6

CAMP -C3_7 -X3 90 34 11 91 12 -X3 35 64 36 13 99 14 -X3 99 37 STOP & GO -BUC3_7 / 21.7

CAMP -C3_8 -X3 91 38 11 92 12 -X3 39 64 40 13 100 14 -X3 100 41 STOP & GO -BUC3_8 / 21.8

64 64 64 64 64 64

24L1+ / 4.b.9

-F11 C 6A 1 2

101

200 202

-ES3 ESR5-NO-31-24VDC-DC

A1 S11 S12 S21 S22 13 33 33 41

24VDC 24V AC/DC LOGIC K1 K2

A2 S33 S34 14 24 34 42

201 203




3 2.1
IN2
-A0
/27.5
I2.2
Safety relay cabina C3
Initializare temporizare stop banda

64

24L1+ / 4.a.9

24L1+ / 4.b.0

4.a 4.c

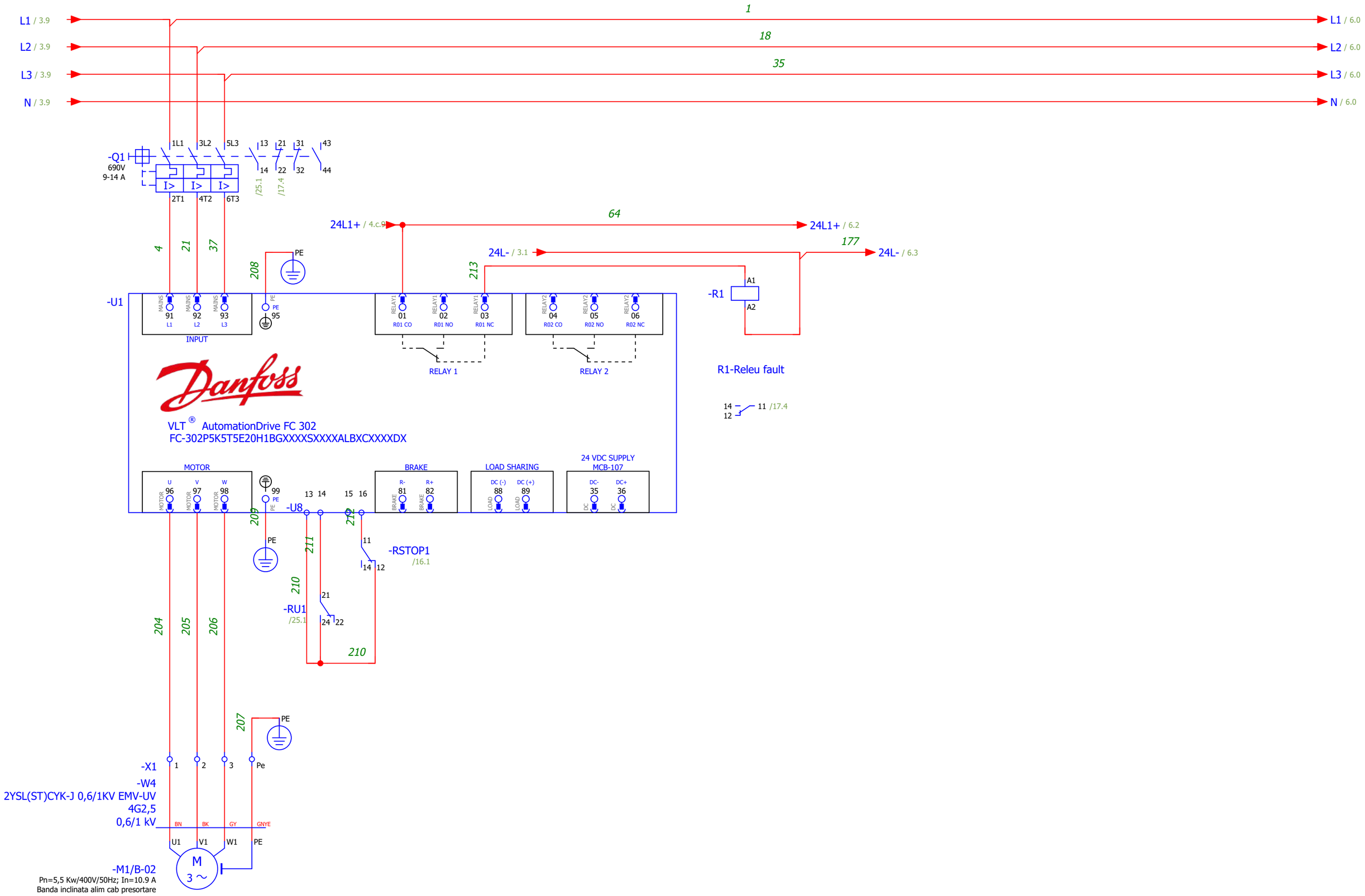
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 03/07/2023 | EPLAN | Sc TEHNIMARKET Srl. | Safety relay | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 4.b |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 6 / 40 |




## BUTOANE DE URGENTA AMPLASATE IN CABINE _ STOP LINIE



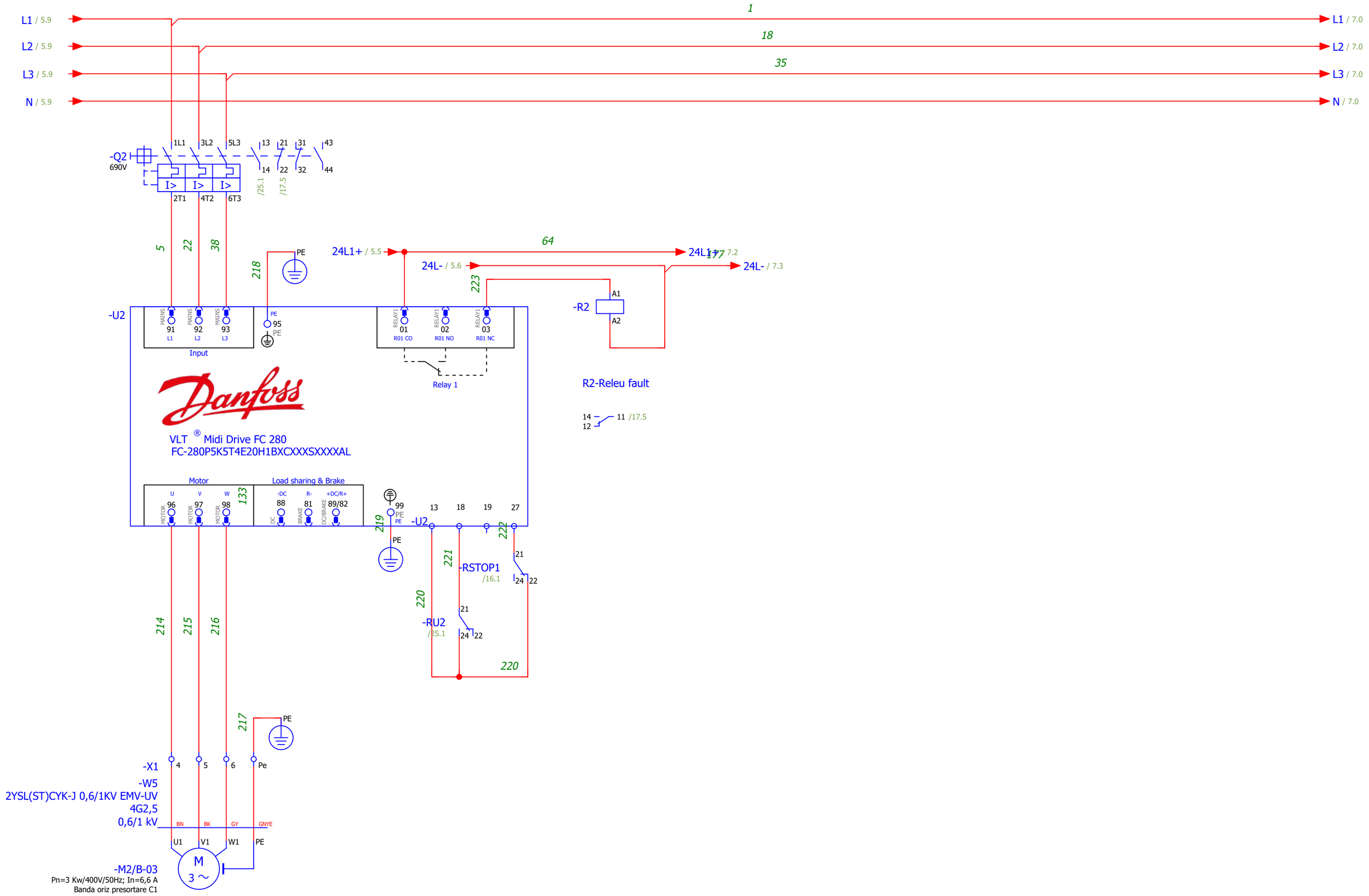
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 03/07/2023 | EPLAN | Sc TEHNIMARKET Srl. | Safety relay | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page | 4.c |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page | 7 / 40 |




4.c

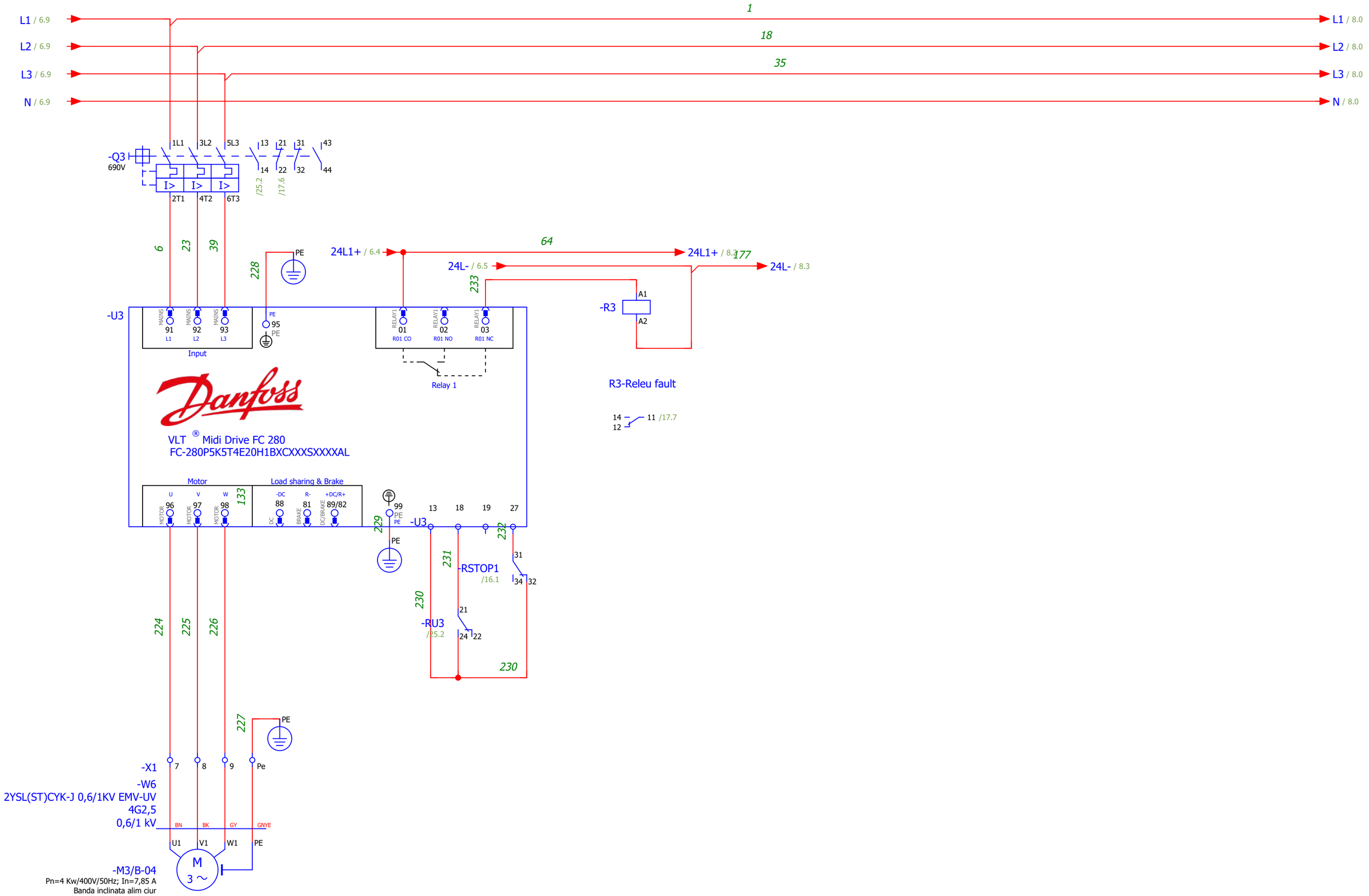
6

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | | Sc TEHNIMARKET Srl. | M1 | | = CA1 |
| | | | Ed | Nelu | | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | | Page 5 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 8 / 40 |



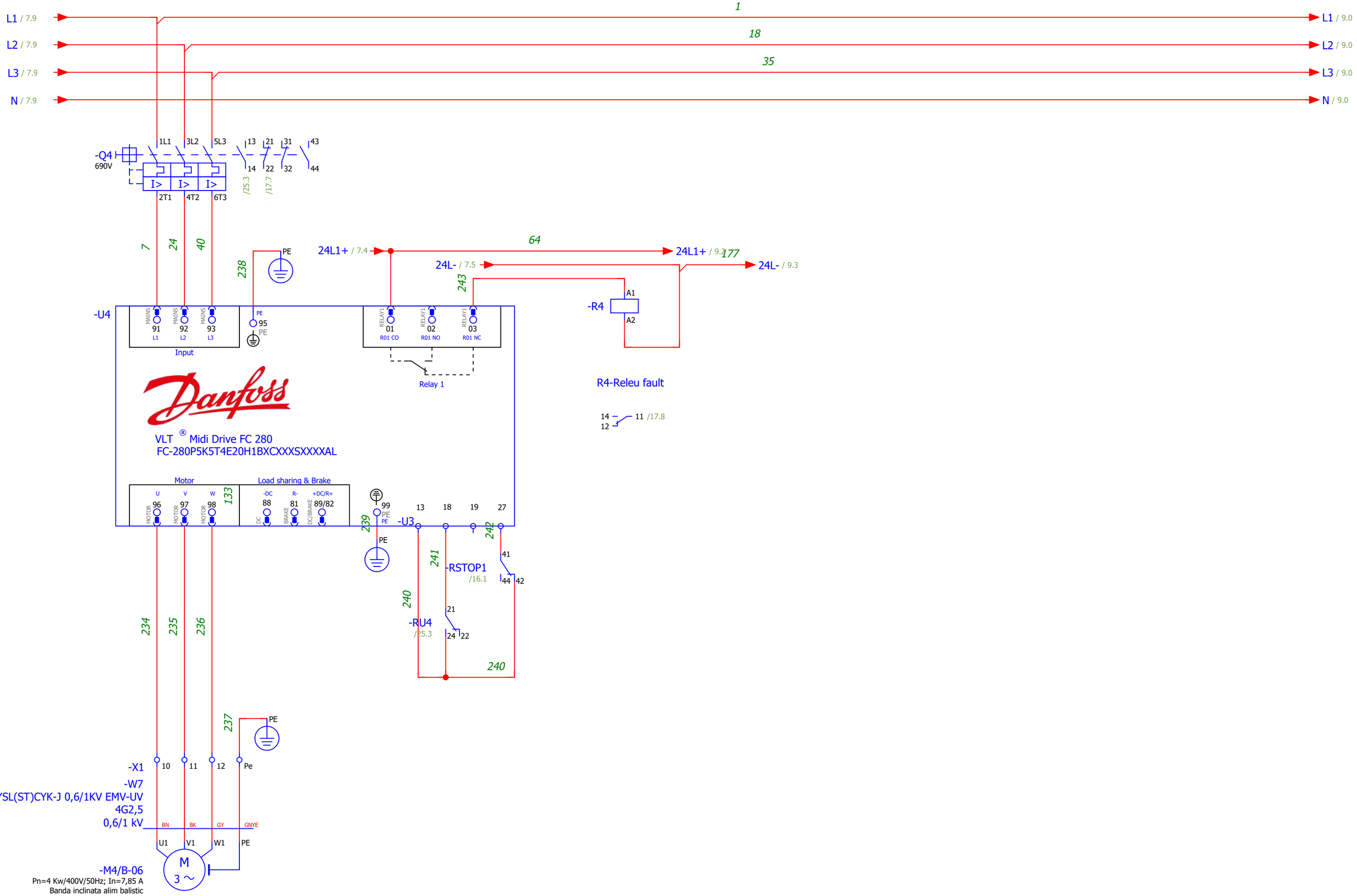



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | M2 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 6 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 9 / 40 |



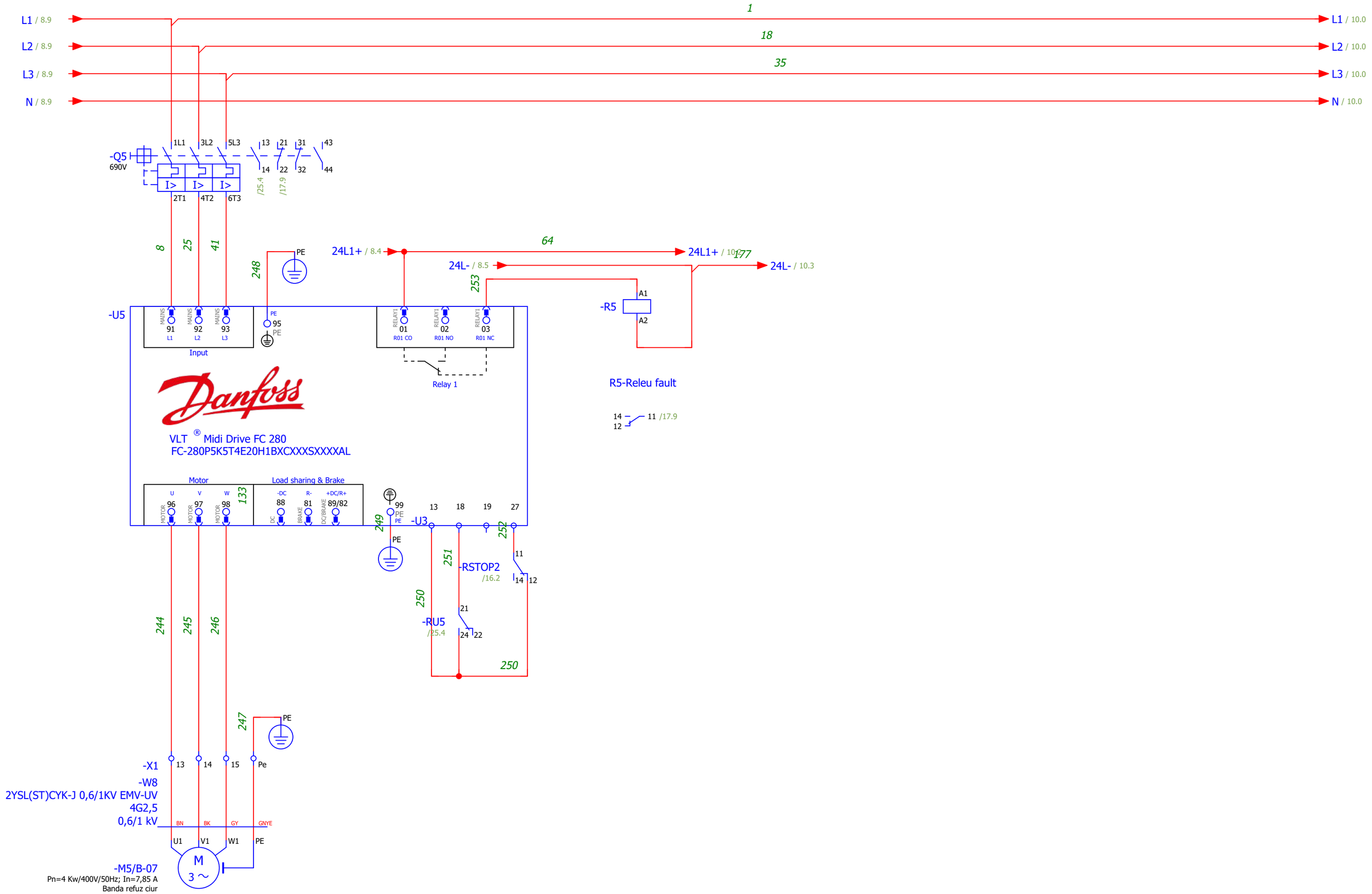

6 8

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | M3 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 7 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 10 / 40 |



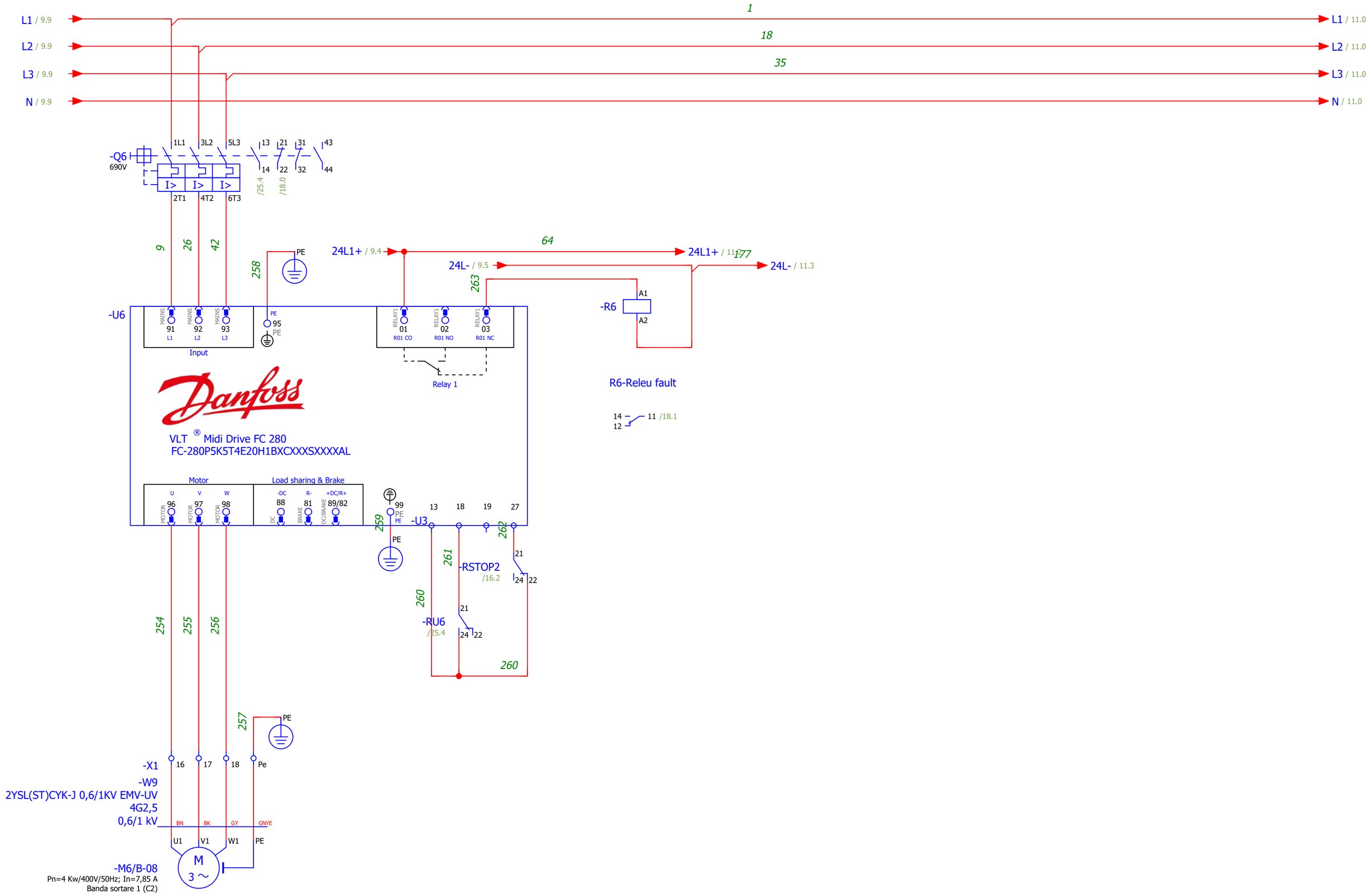

7 9

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | M4 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | Page | 8 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page | 11 / 40 |



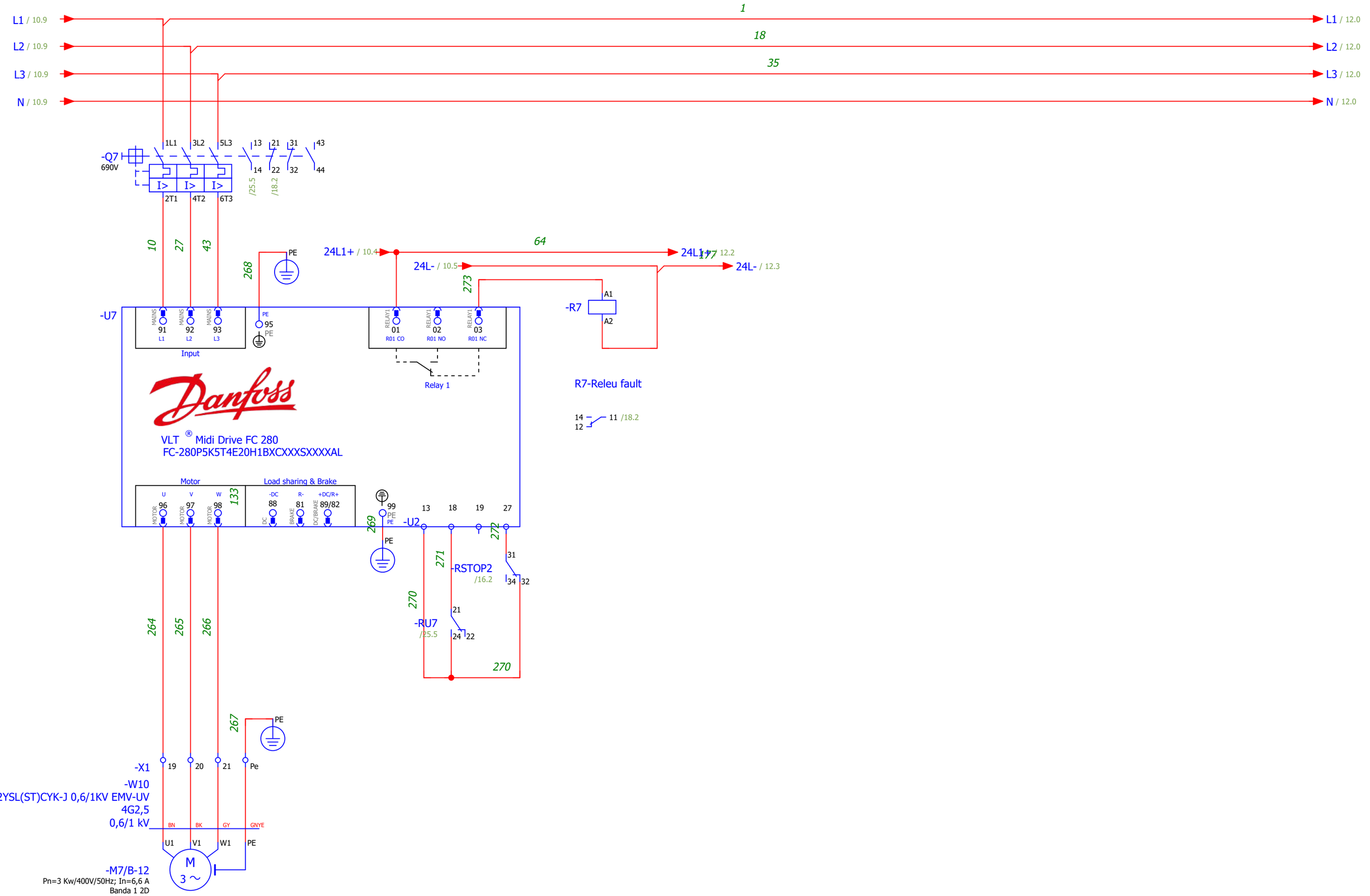



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | M5 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 9 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 12 / 40 |



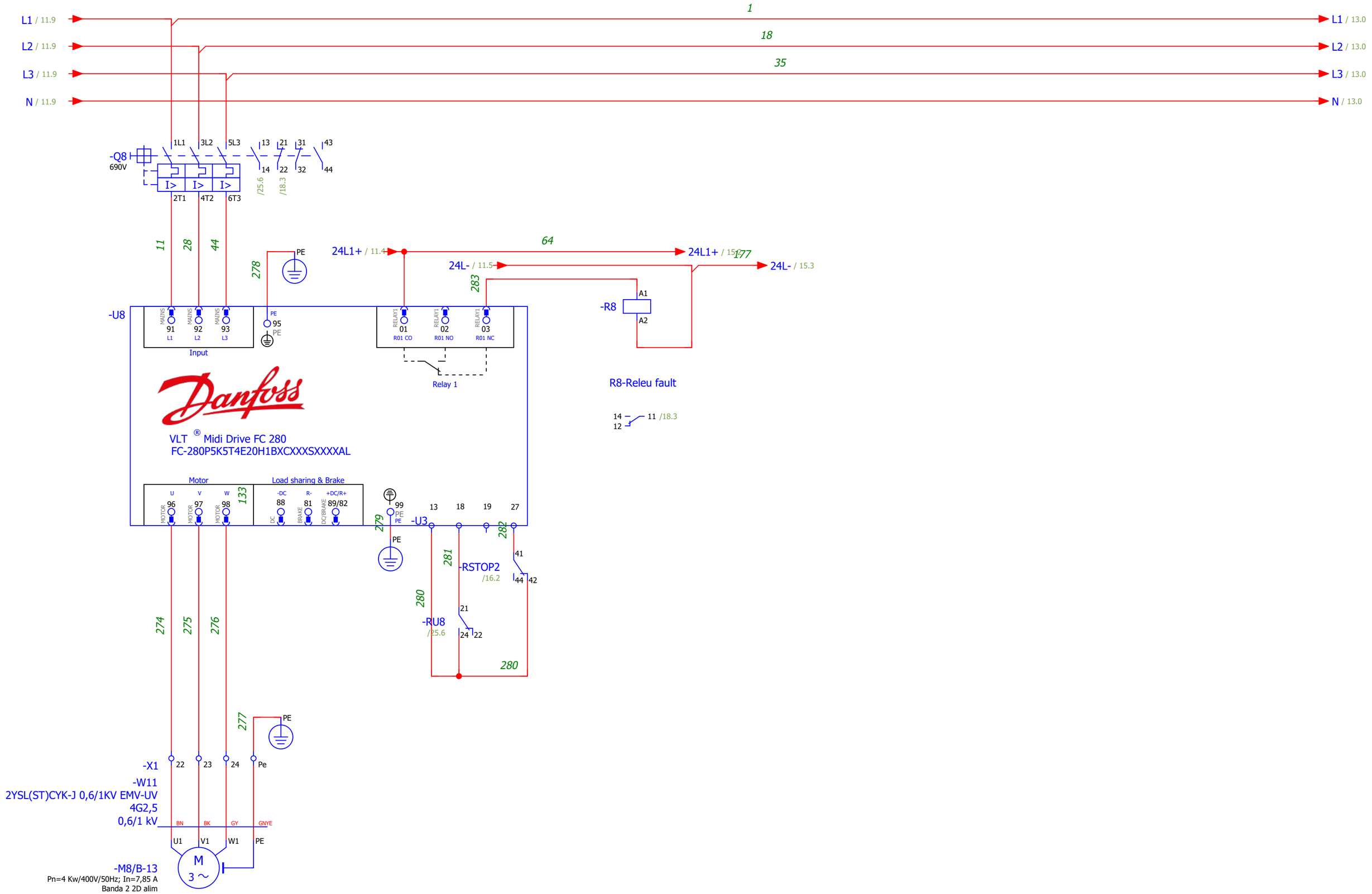



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | M6 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 10 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 13 / 40 |



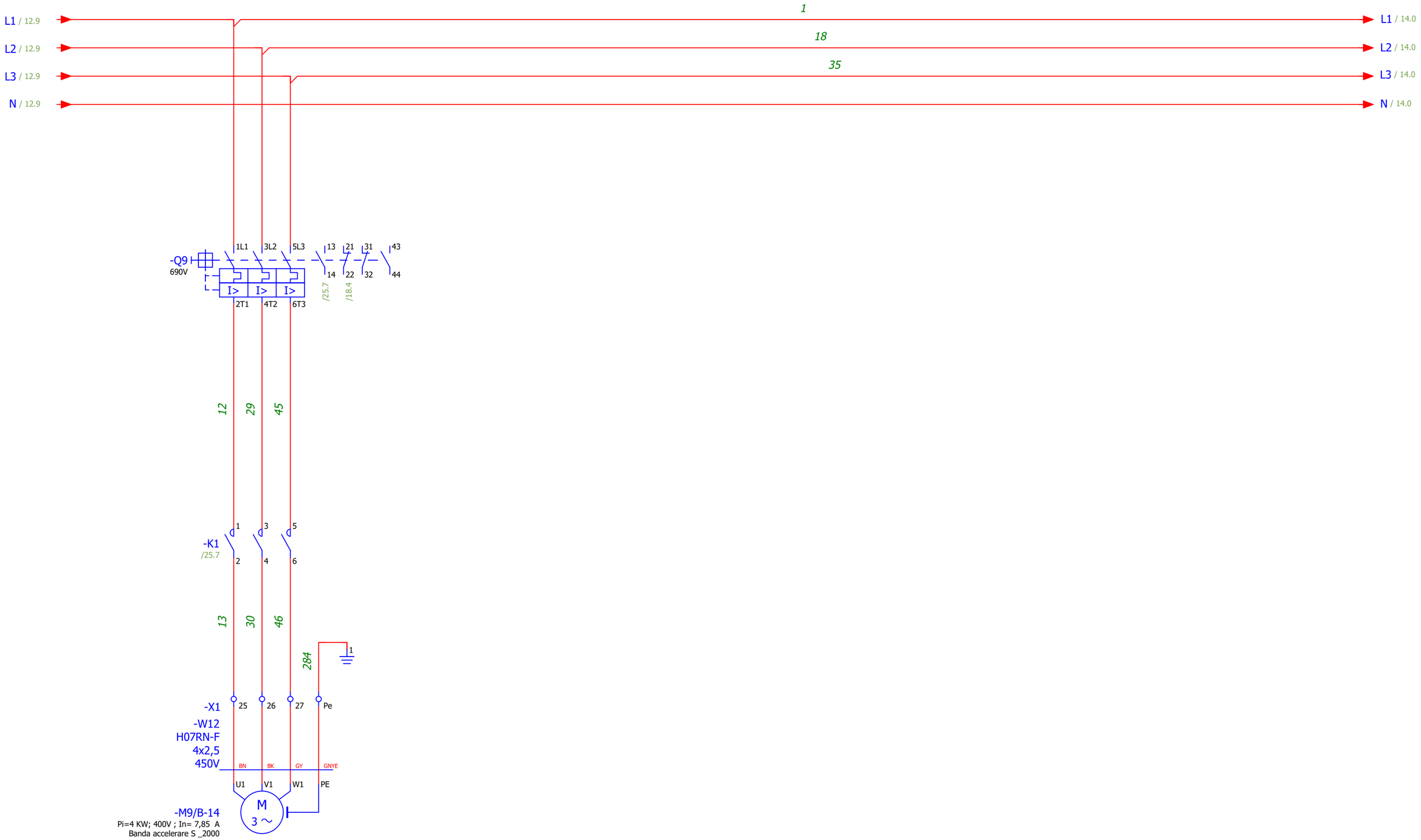



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | M7 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page | 11 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page | 14 / 40 |



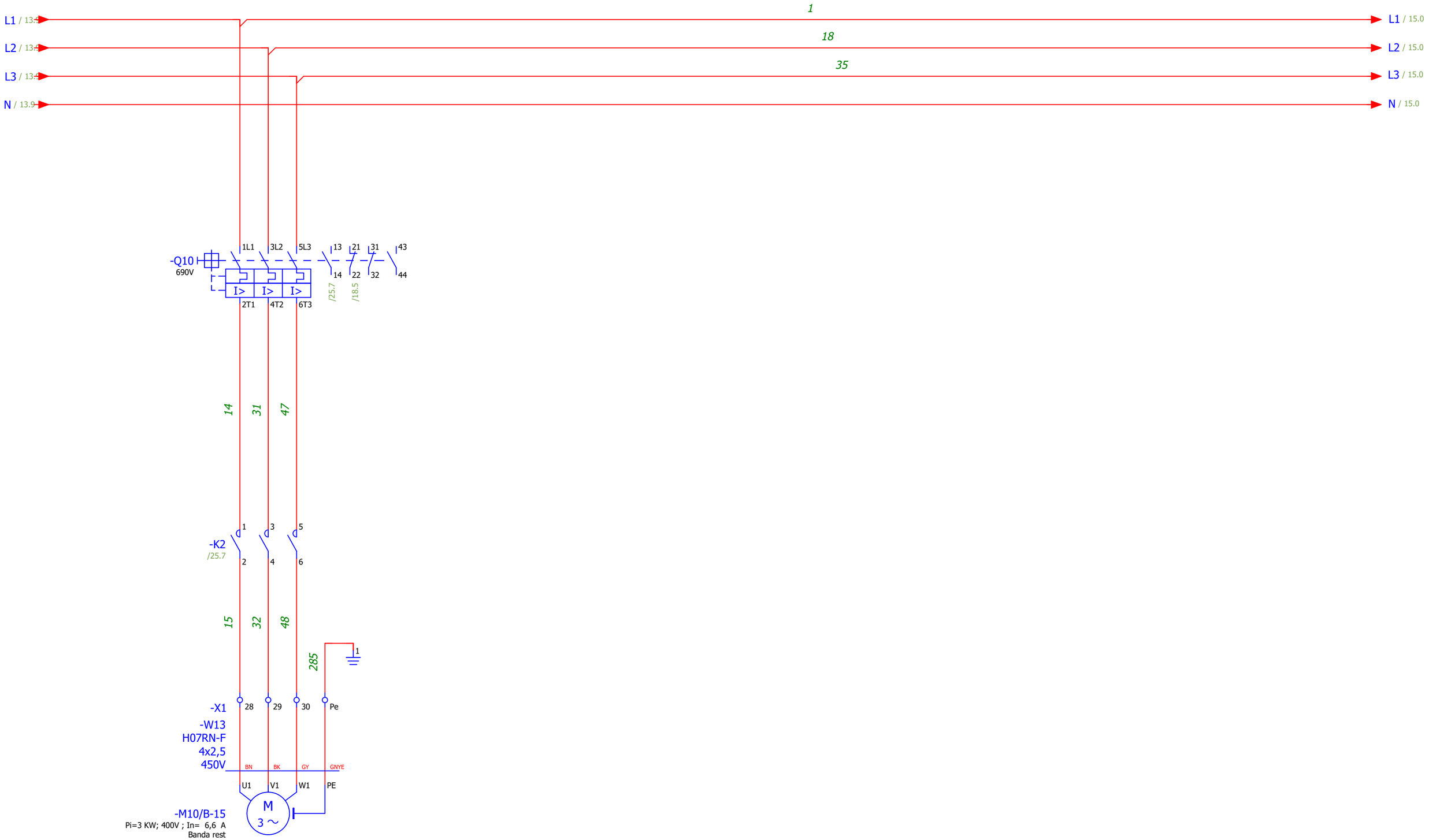

11 13

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | M8 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 12 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 15 / 40 |



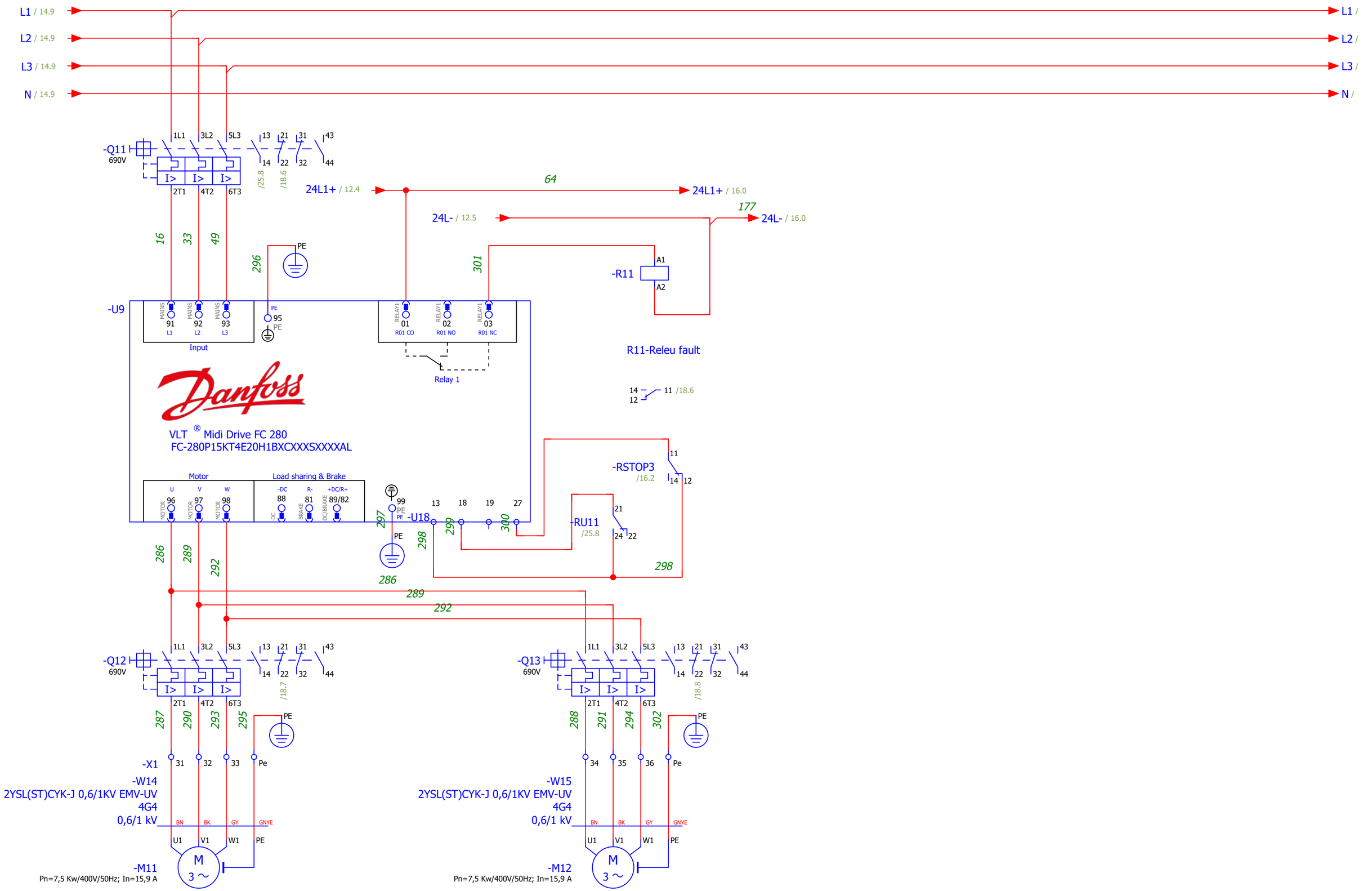



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | M9 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page | 13 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page | 16 / 40 |



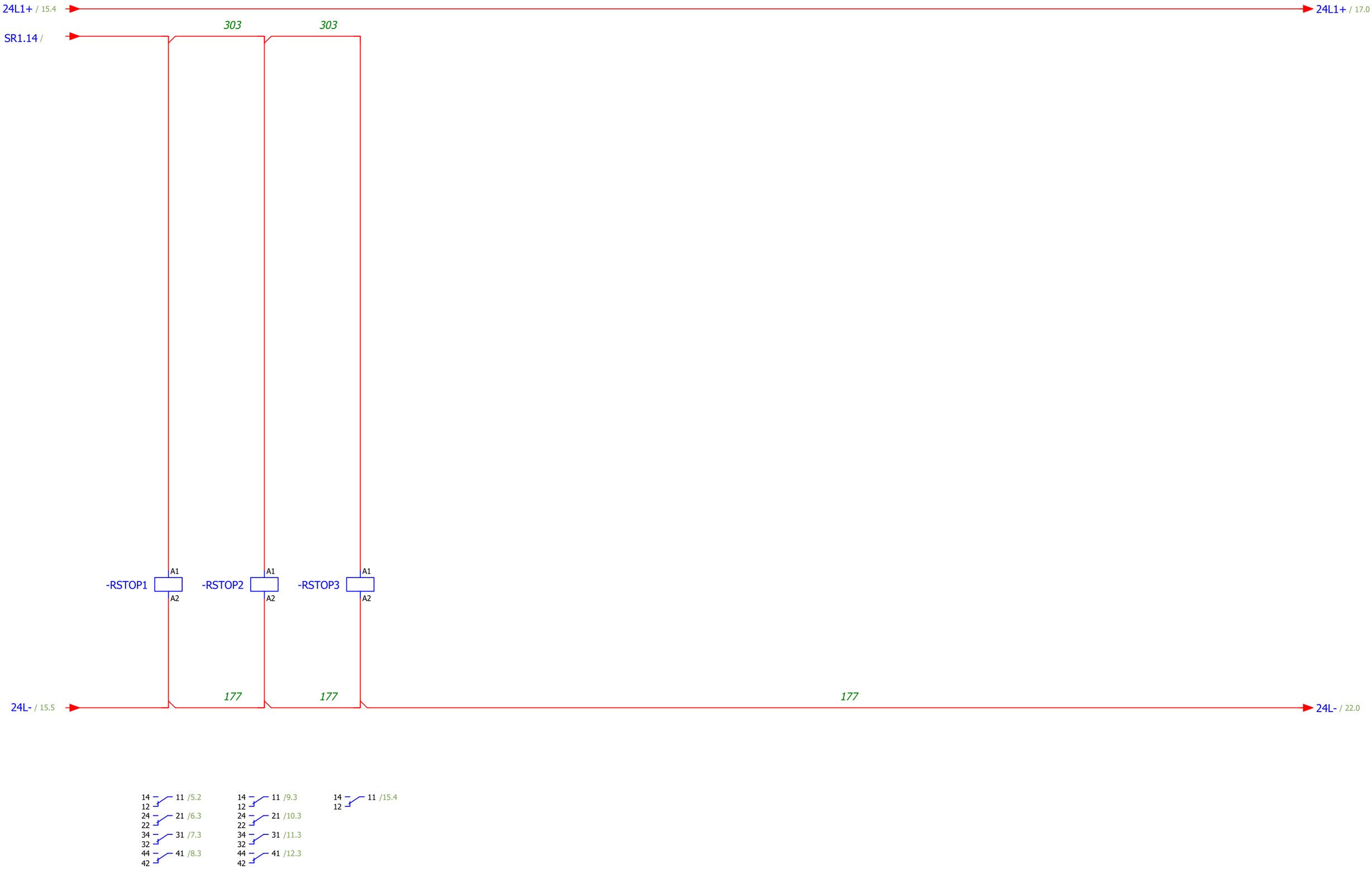



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | M10 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | Page | 14 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page | 17 / 40 |



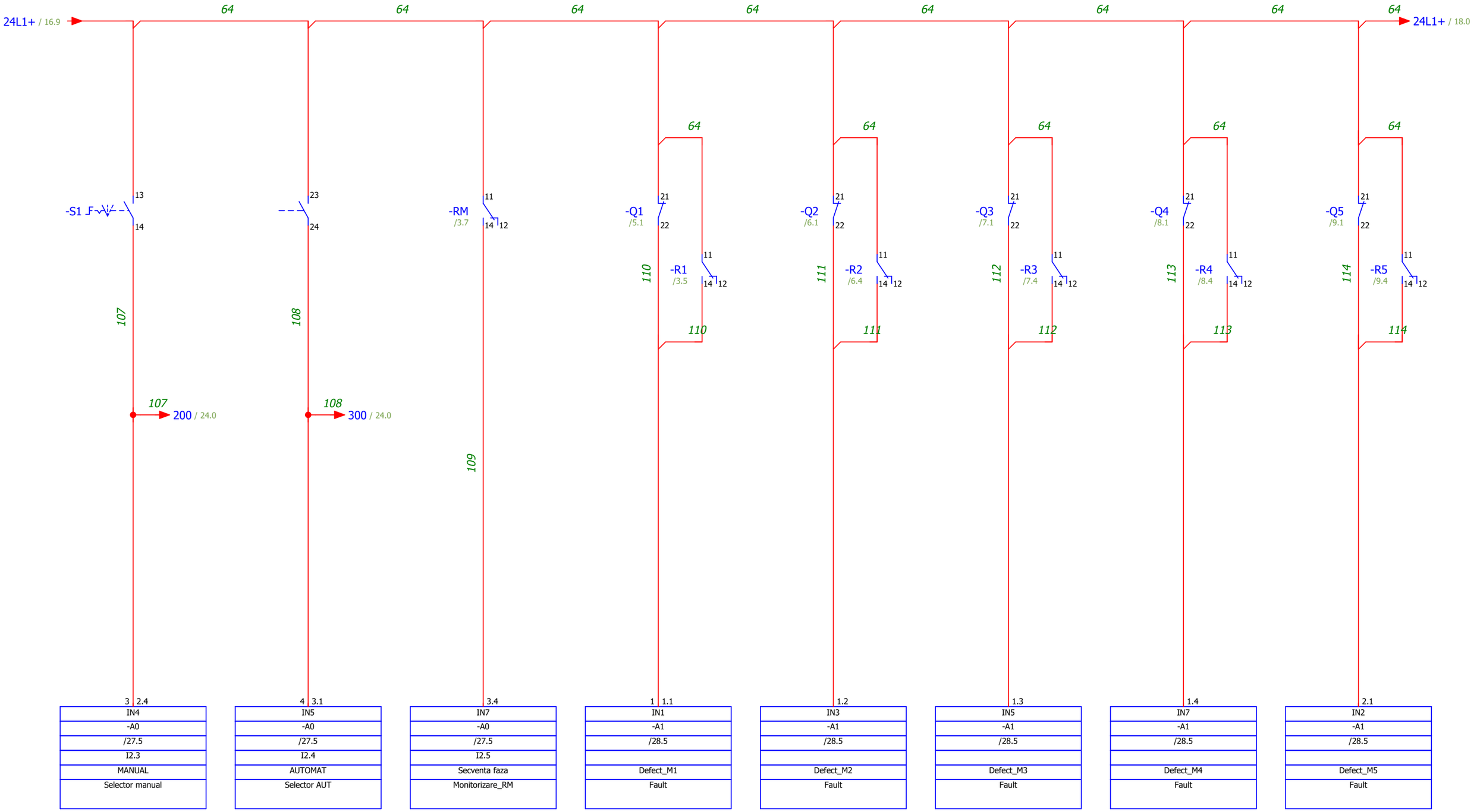



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | M11/M12 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 15 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 18 / 40 |



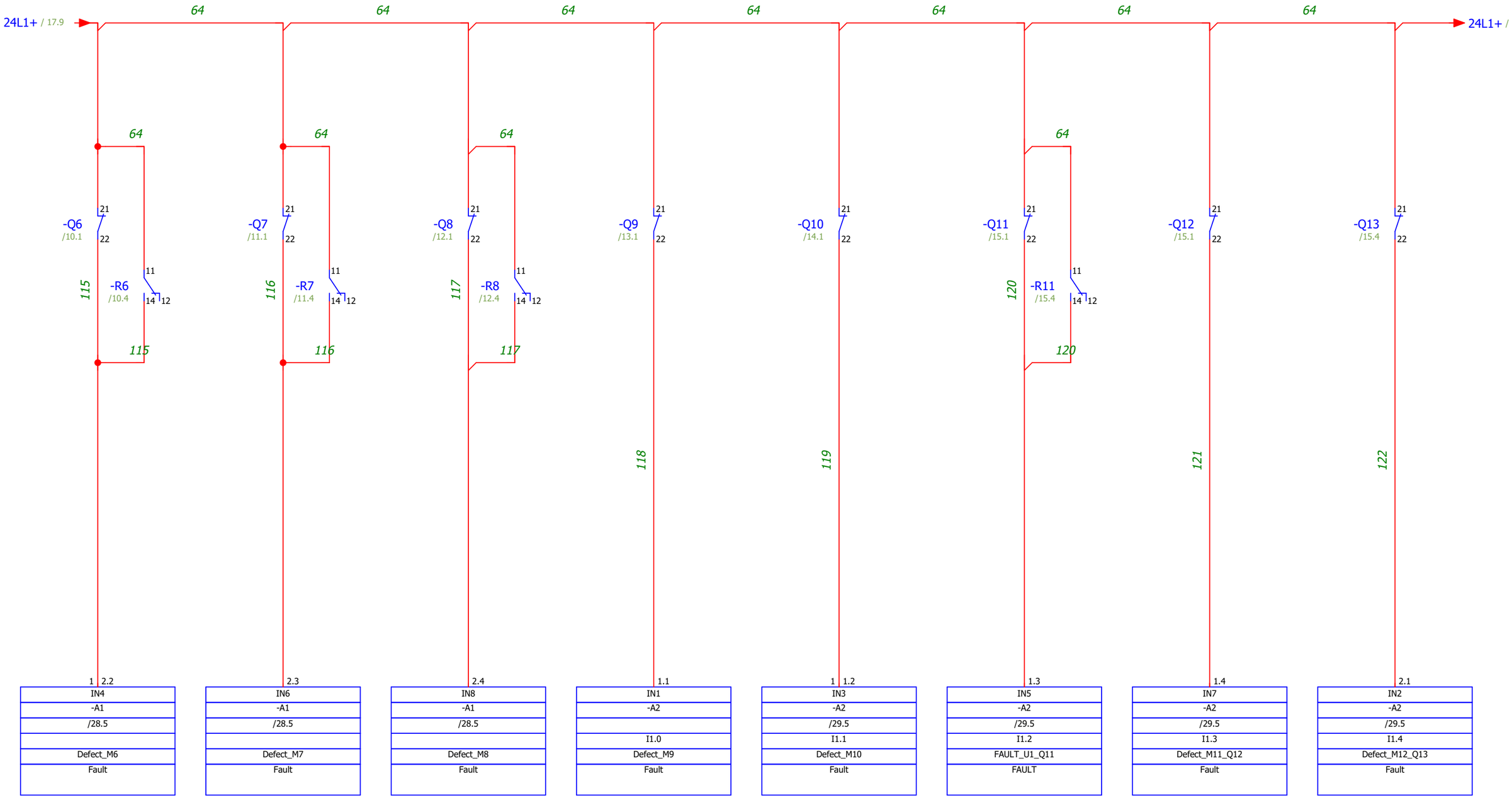



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 16 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 19 / 40 |



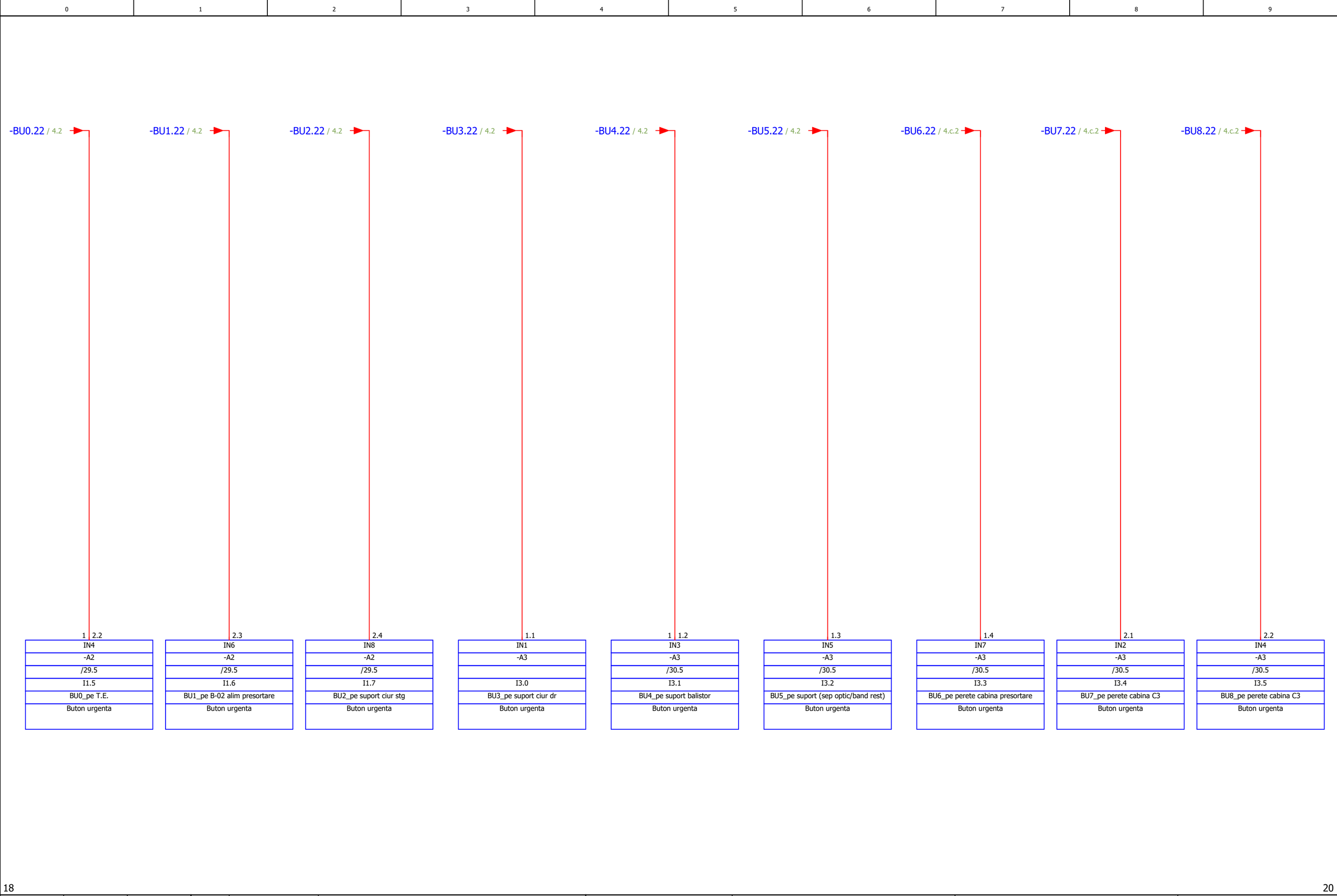

16 18

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 17 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 20 / 40 |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 18 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 21 / 40 |

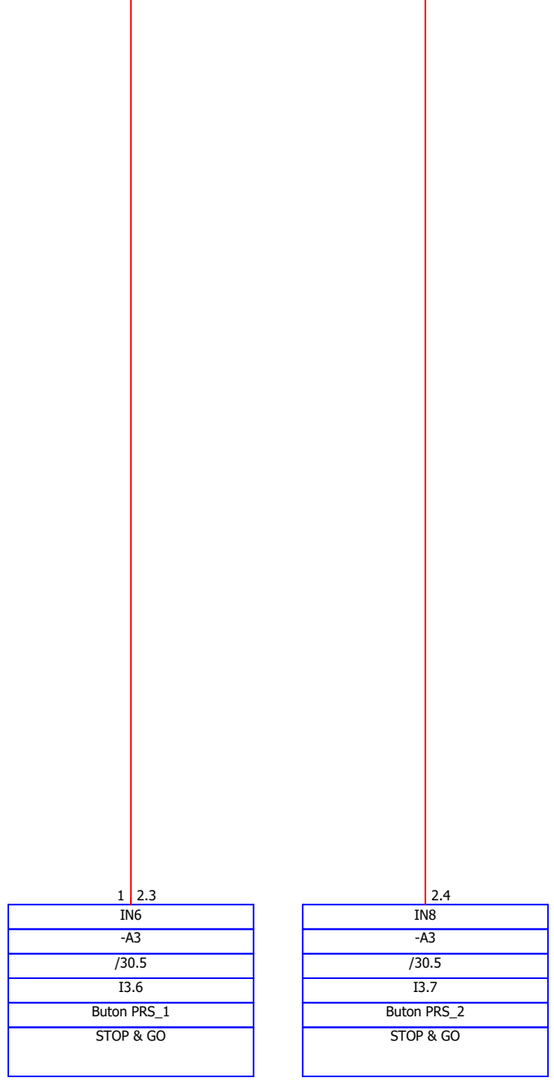





| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 03/07/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 19 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 22 / 40 |

-PRS_1 / 4.a.2

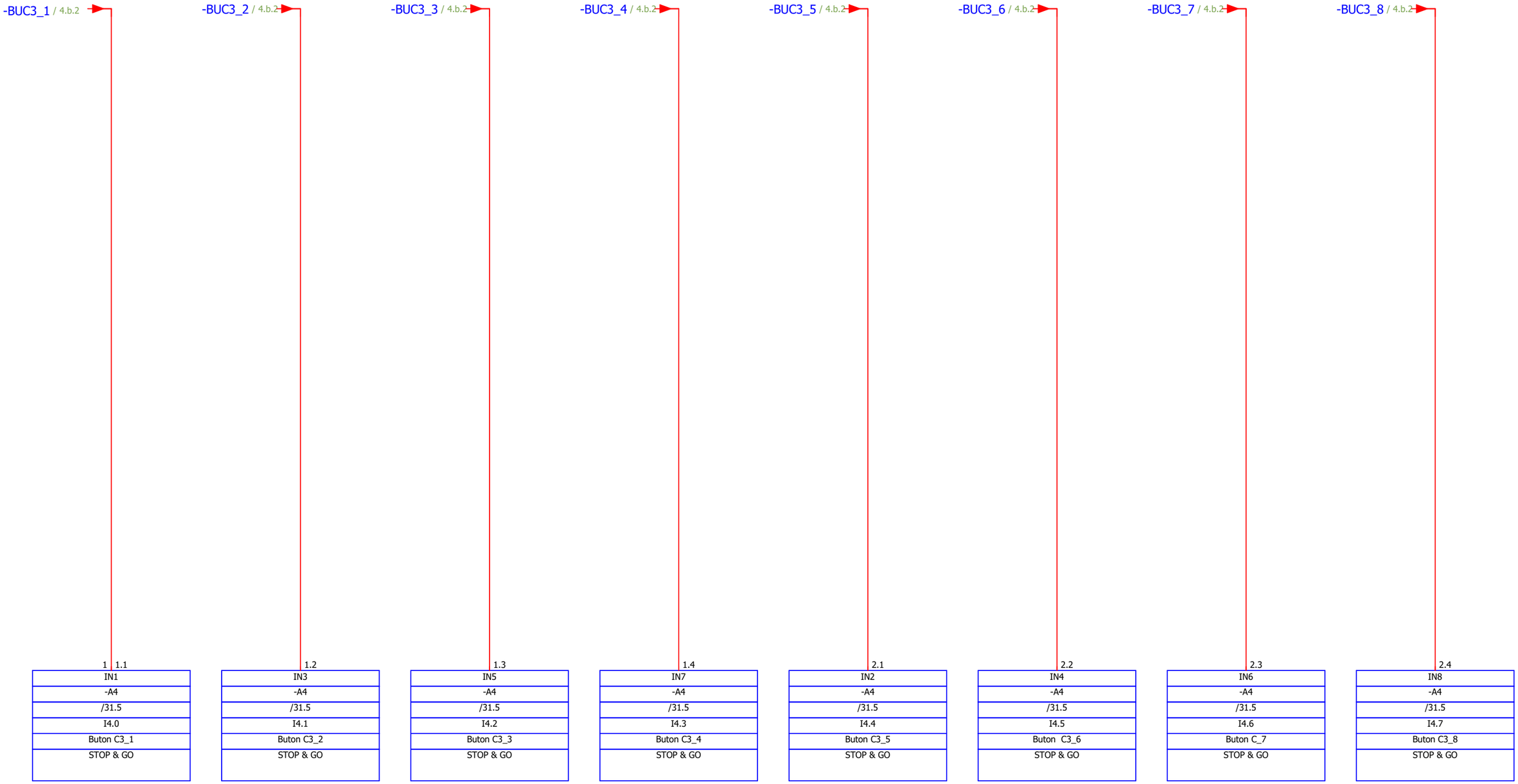
-PRS_2 / 4.a.2





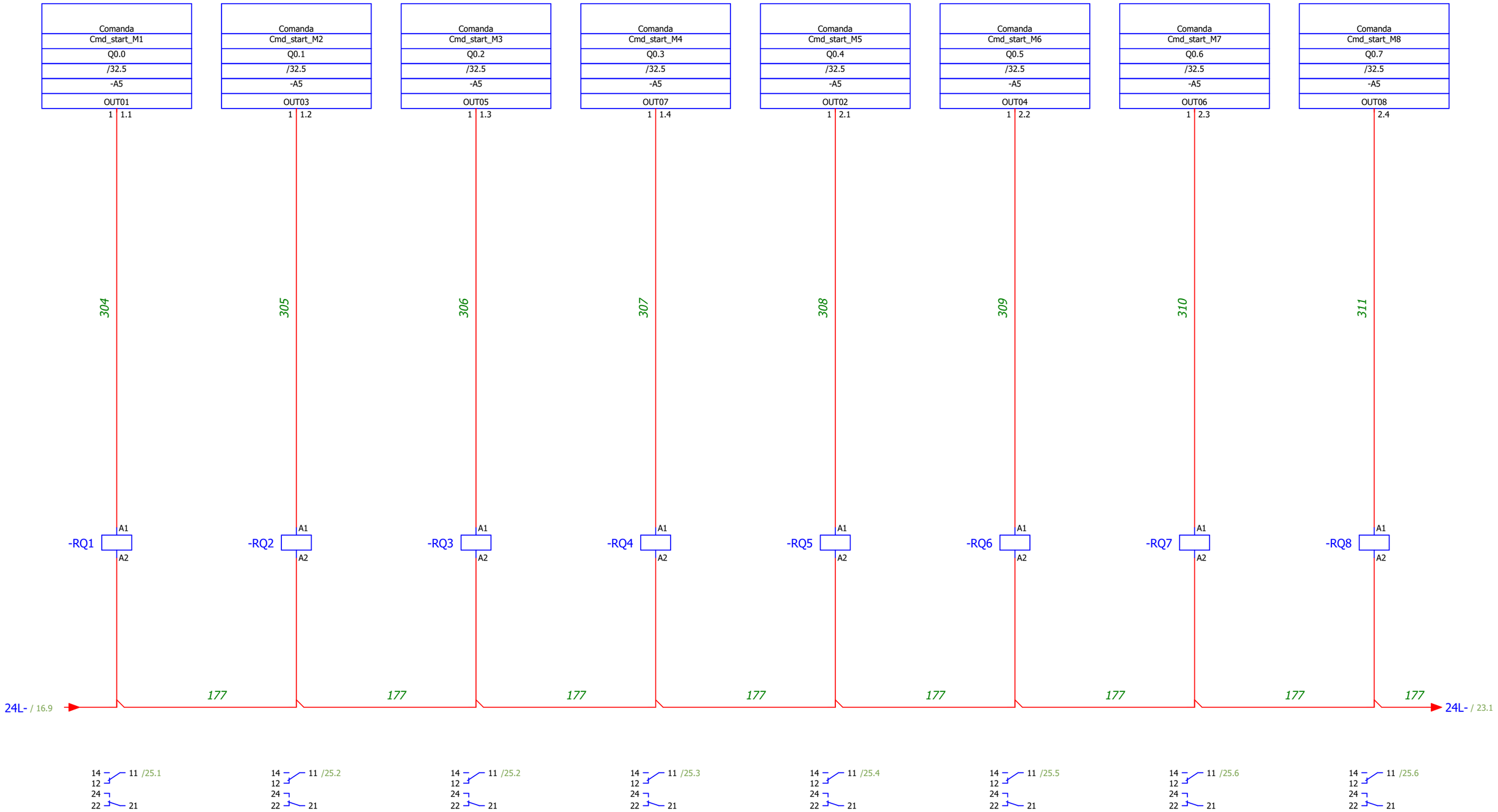

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 20 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 23 / 40 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|



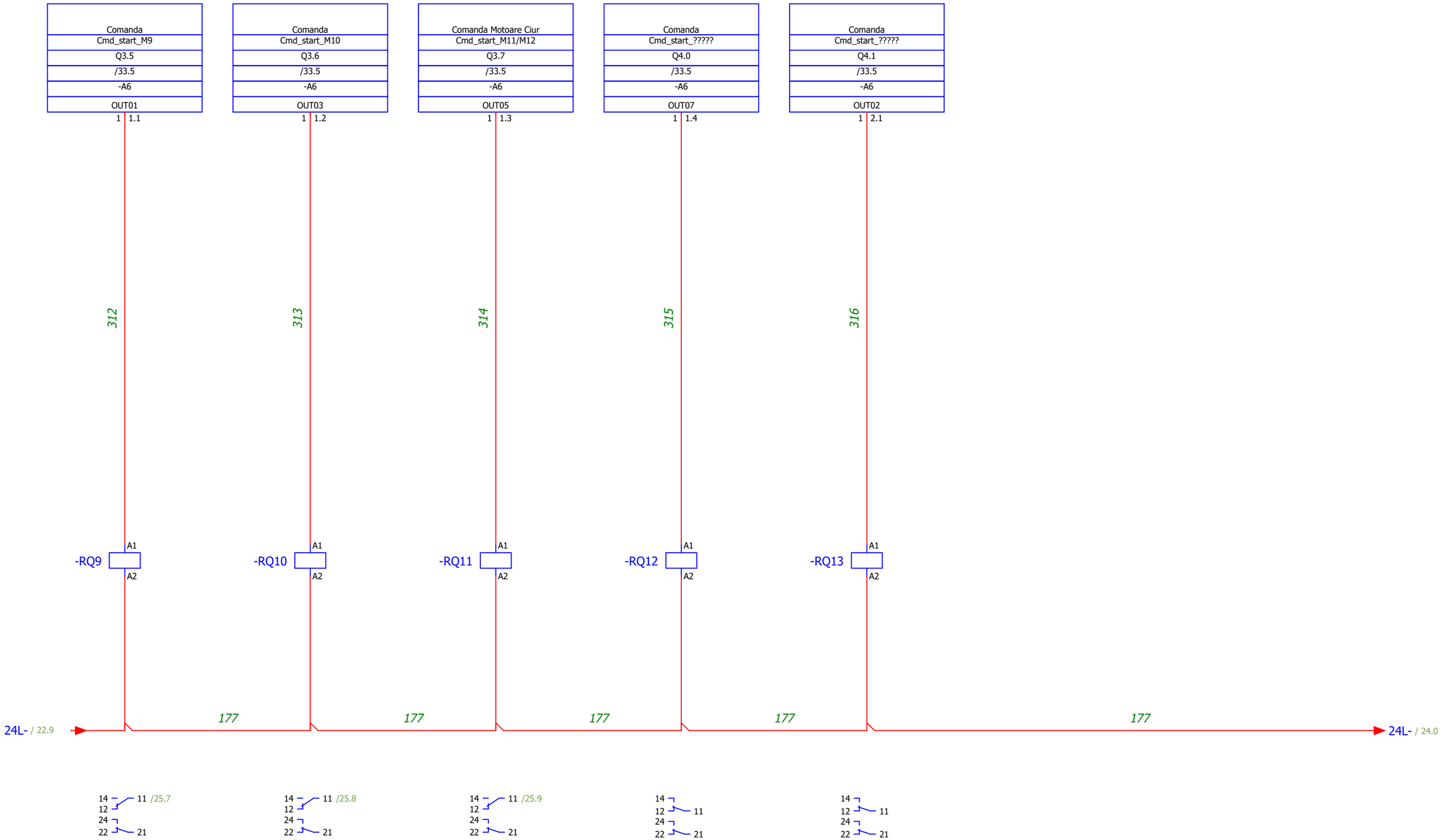



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 03/07/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 21 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 24 / 40 |



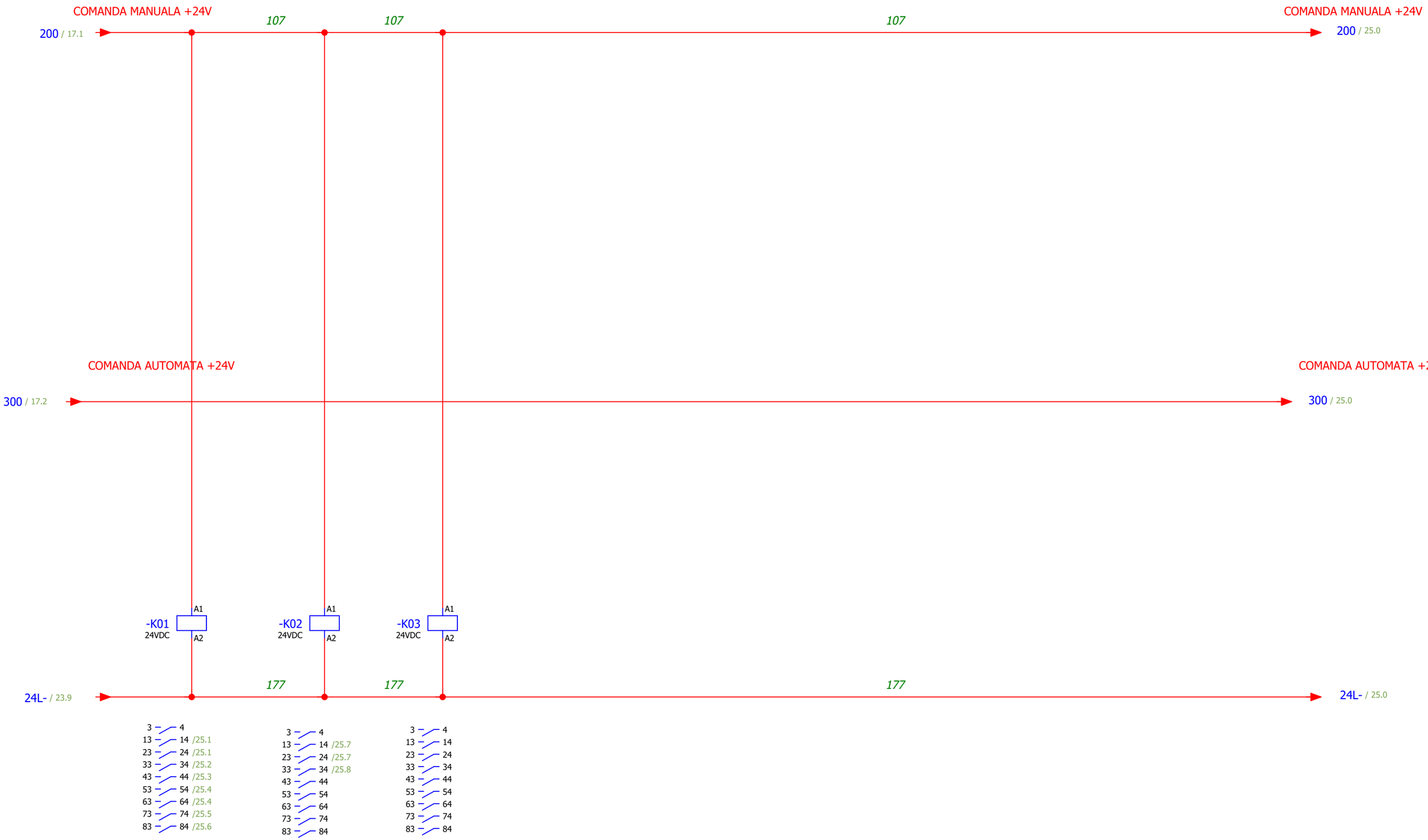



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | Page 22 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 25 / 40 |



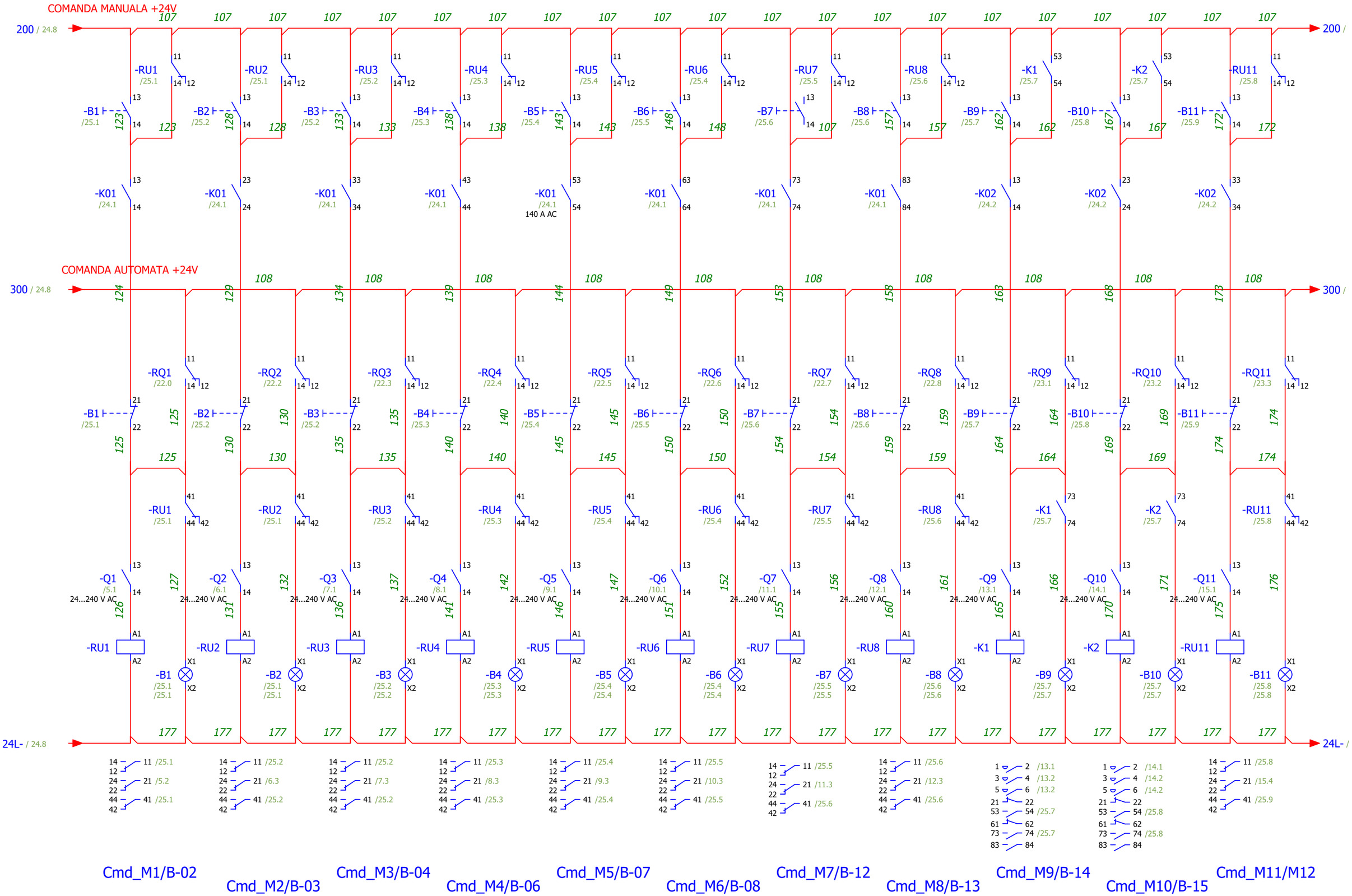



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | Page 23 | |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 26 / 40 | |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cmd man/aut | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 24 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 27 / 40 |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cmd man/aut | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 25 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 28 / 40 |

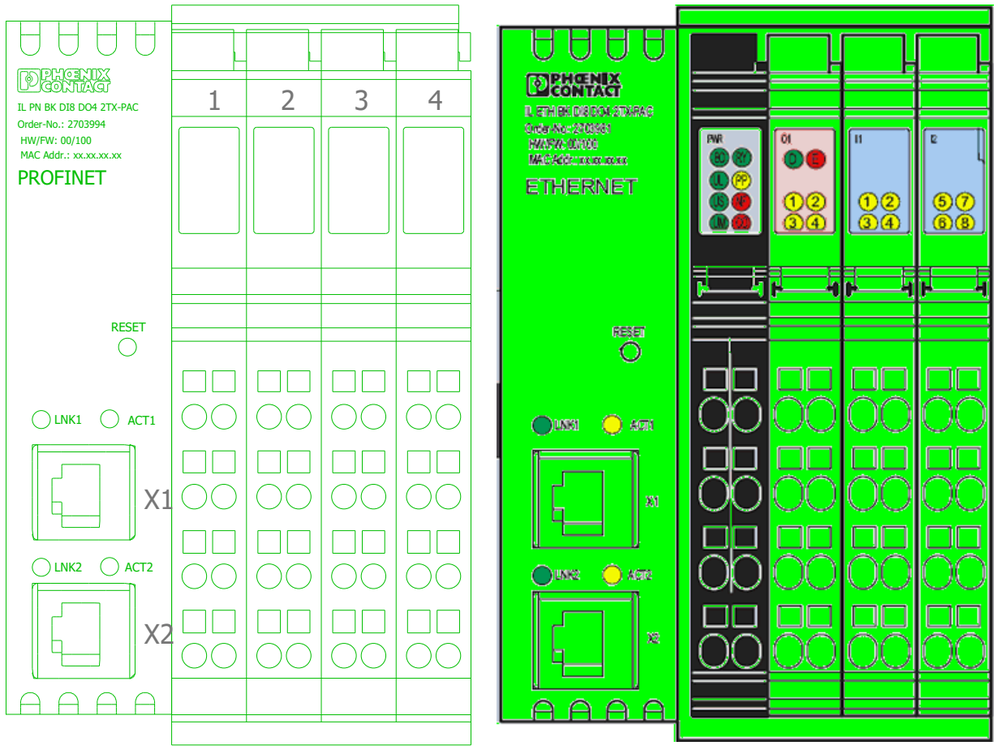
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|



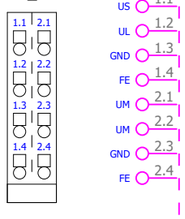
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 27/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cmd man/aut | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 26 |
| Modification | Date | Name | Original | | Replacement of / Replaced by | | | | Page 29 / 40 |

PHOENIX CONTACT

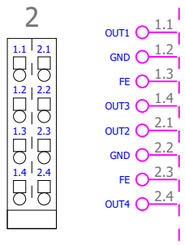
# -A0



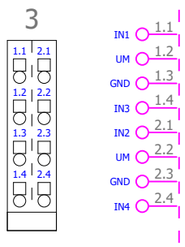

## IL PN BK DI8 DO4 2TX-PAC



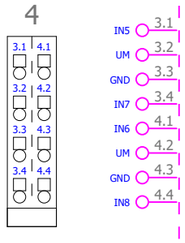

| Address: | Function text: | Symbolic Address: | Crossreference: |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



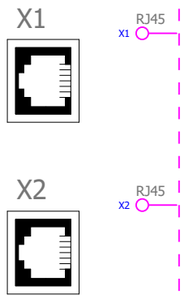

| | | | |
|---|---|---|---|
| Q1.4 | | | |
| | | | |
| | | | |
| Q1.5 | | | |
| Q1.6 | | | |
| | | | |
| | | | |
| Q1.7 | | | |
| | | | |
| | | | |
| | | | |
| | | | |




| | | | |
|---|---|---|---|
| I2.0 | Confirmare | Safety relay OK | /4.8 |
| | | | |
| | | | |
| I2.1 | Initializare temporizare stop banda | Safety relay Presortare | /4.a.8 |
| I2.2 | Initializare temporizare stop banda | Safety relay cabina C3 | /4.b.8 |
| | | | |
| | | | |
| I2.3 | Selector manual | MANUAL | /17.1 |
| | | | |
| | | | |
| | | | |
| | | | |




| | | | |
|---|---|---|---|
| I2.4 | Selector AUT | AUTOMAT | /17.2 |
| | | | |
| | | | |
| I2.5 | Monitorizare_RM | Secventa faza | /17.3 |
| I2.6 | | | |
| | | | |
| | | | |
| I2.7 | | | |
| | | | |
| | | | |
| | | | |
| | | | |



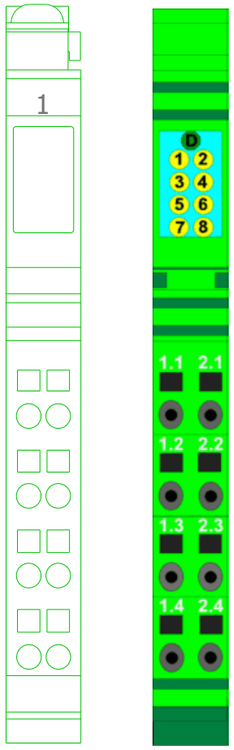

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



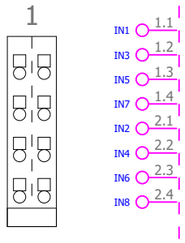
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 27 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 30 / 40 |

PHOENIX CONTACT

# -A1




## IB IL 24 DI8/HD-PAC



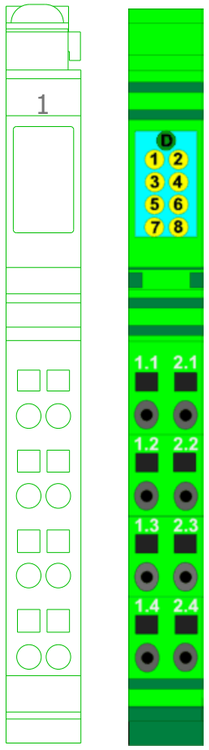

| | | | |
|---|---|---|---|
| I5.0 | Fault | Defect_M1 | /17.4 |
| I5.1 | Fault | Defect_M2 | /17.5 |
| I5.2 | Fault | Defect_M3 | /17.6 |
| I5.3 | Fault | Defect_M4 | /17.7 |
| I5.4 | Fault | Defect_M5 | /17.9 |
| I5.5 | Fault | Defect_M6 | /18.0 |
| I5.6 | Fault | Defect_M7 | /18.2 |
| I5.7 | Fault | Defect_M8 | /18.3 |



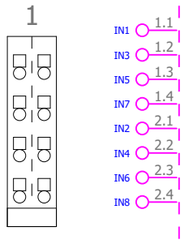
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC_A1 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 28 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 31 / 40 |

PHOENIX CONTACT

# -A2




## IB IL 24 DI8/HD-PAC



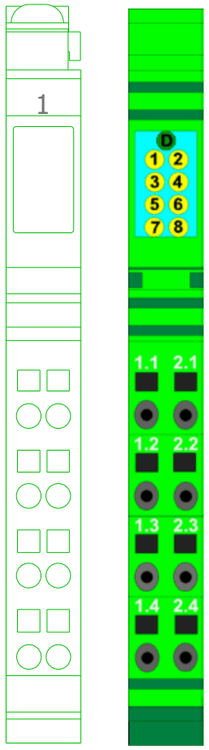

| | | | |
|---|---|---|---|
| I6.0 | | | |
| I6.1 | Fault | Defect_M10 | /18.5 |
| I6.2 | FAULT | FAULT_U1_Q11 | /18.6 |
| I6.3 | Fault | Defect_M11_Q12 | /18.7 |
| I6.4 | Fault | Defect_M12_Q13 | /18.8 |
| I6.5 | Buton urgenta | BU0_pe T.E. | /19.0 |
| I6.6 | Buton urgenta | BU1_pe B-02 alim presortare | /19.1 |
| I6.7 | Buton urgenta | BU2_pe suport ciur stg | /19.2 |



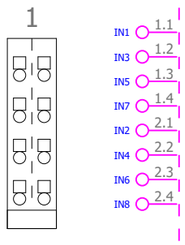
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC_A2 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 29 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 32 / 40 |

PHOENIX CONTACT

# -A3




## IB IL 24 DI8/HD-PAC



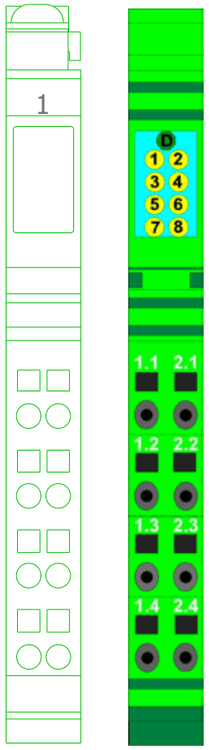

| | | | |
|---|---|---|---|
| I3.0 | | | |
| I3.1 | Buton urgenta | BU4_pe suport balistor | /19.5 |
| I3.2 | Buton urgenta | BU5_pe suport (sep optic/band rest) | /19.6 |
| I3.3 | Buton urgenta | BU6_pe perete cabina presortare | /19.7 |
| I3.4 | Buton urgenta | BU7_pe perete cabina C3 | /19.8 |
| I3.5 | Buton urgenta | BU8_pe perete cabina C3 | /19.9 |
| I3.6 | STOP & GO | Buton PRS_1 | /20.1 |
| I3.7 | STOP & GO | Buton PRS_2 | /20.2 |



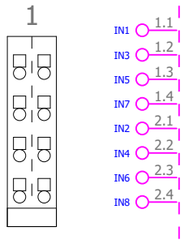
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC_A3 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 30 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 33 / 40 |

PHOENIX CONTACT

# -A4




## IB IL 24 DI8/HD-PAC



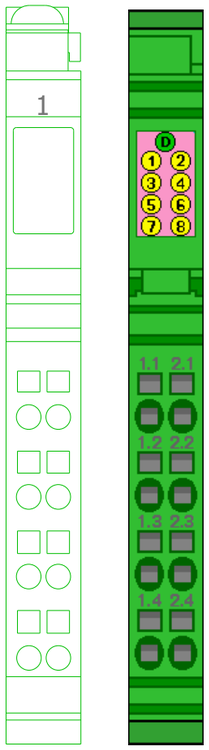

| | | | |
|---|---|---|---|
| I4.0 | STOP & GO | Buton C3_1 | /21.0 |
| I4.1 | STOP & GO | Buton C3_2 | /21.2 |
| I4.2 | STOP & GO | Buton C3_3 | /21.3 |
| I4.3 | STOP & GO | Buton C3_4 | /21.4 |
| I4.4 | STOP & GO | Buton C3_5 | /21.5 |
| I4.5 | STOP & GO | Buton C3_6 | /21.6 |
| I4.6 | STOP & GO | Buton C_7 | /21.7 |
| I4.7 | STOP & GO | Buton C3_8 | /21.8 |



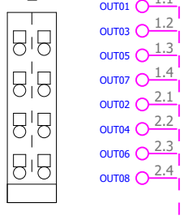
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC_A4 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 31 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 34 / 40 |

PHOENIX CONTACT

# -A5




IB IL 24 DO 8/HD-ECO



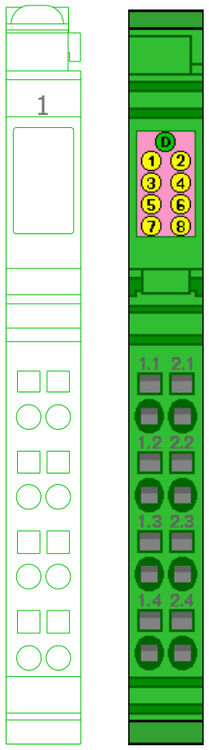

| | | | |
|---|---|---|---|
| Q2.5 | Comanda | Cmd_start_M1 | /22.0 |
| Q2.6 | Comanda | Cmd_start_M2 | /22.2 |
| Q2.7 | Comanda | Cmd_start_M3 | /22.3 |
| Q3.0 | Comanda | Cmd_start_M4 | /22.4 |
| Q3.1 | Comanda | Cmd_start_M5 | /22.5 |
| Q3.2 | Comanda | Cmd_start_M6 | /22.6 |
| Q3.3 | Comanda | Cmd_start_M7 | /22.7 |
| Q3.4 | Comanda | Cmd_start_M8 | /22.8 |



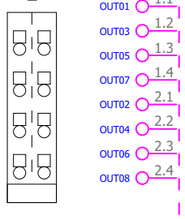
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC_A5 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 32 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 35 / 40 |

PHOENIX CONTACT

# -A6




IB IL 24 DO 8/HD-ECO




| | | | |
|---|---|---|---|
| Q3.5 | Comanda | Cmd_start_M9 | /23.1 |
| Q3.6 | Comanda | Cmd_start_M10 | /23.2 |
| Q3.7 | Comanda Motoare Ciur | Cmd_start_M11/M12 | /23.3 |
| Q4.0 | Comanda | Cmd_start_????? | /23.4 |
| Q4.1 | Comanda | Cmd_start_????? | /23.6 |
| Q4.2 | | | |
| Q4.3 | | | |
| Q4.4 | | | |



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/04/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC_A6 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi alim ciur, cab presortare, sep optic | | | | Page 33 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 36 / 40 |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| | 0 | | | | |
| -A0 | 1 | Bus coupler | IL PN BK DI8 DO4 2TX-PAC | PXC | PXC.2703994 |
| -A0 | 0 | | | | |
| -A1 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A2 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A3 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A4 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A5 | 1 | Inline terminal | IB IL 24 DO 8/HD-ECO | | PXC.2702793 |
| -A6 | 1 | Inline terminal | IB IL 24 DO 8/HD-ECO | | PXC.2702793 |
| -A6 | 0 | | | | |
| -A7 | 0 | | | | |
| -A8 | 0 | | | | |
| -A9 | 0 | | | | |
| -A11 | 0 | | | | |
| -A? | 0 | | | | |
| -B1 | 1 | Double actuator pushbutton, +indicator light, green I/white/red 0 | M22-DDL-GR-X1/X0 | ETN | ETN.M22-DDL-GR-X1/X0 |
| -B2 | 1 | Double actuator pushbutton, +indicator light, green I/white/red 0 | M22-DDL-GR-X1/X0 | ETN | ETN.M22-DDL-GR-X1/X0 |
| -B3 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B4 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B5 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B6 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B7 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B8 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B9 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B10 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B11 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -BU0 | 1 | Emergency-stop pushbutton, non-illuminated, turn-release | M22-PVT | ETN | ETN.M22-PVT |
| -BU0 | 1 | Contact element, 1N/O+1N/C, front mount, screw connection | M22-AK11 | ETN | ETN.M22-AK11 |
| -BU0 | 0 | | | | |
| -BU1 | 0 | | | | |
| -BU2 | 0 | | | | |
| -BU3 | 0 | | | | |
| -BU4 | 0 | | | | |
| -BU5 | 0 | | | | |
| -BU6 | 0 | | | | |
| -BU7 | 0 | | | | |
| -BU8 | 0 | | | | |
| -C3_1 | 0 | | | | |
| -C3_2 | 0 | | | | |
| -C3_3 | 0 | | | | |
| -C3_4 | 0 | | | | |
| -C3_5 | 0 | | | | |
| -C3_6 | 0 | | | | |
| -C3_7 | 0 | | | | |
| -C3_8 | 0 | | | | |
| -ES1 | 1 | Safety relay emergency stop/protective door, 24VDC/AC, 3 enabling paths | ESR5-NO-31-24VAC-DC | ETN | ETN.ESR5-NO-31-24VAC-DC |
| -ES2 | 1 | Safety relay emergency stop/protective door, 24VDC/AC, 3 enabling paths | ESR5-NO-31-24VAC-DC | ETN | ETN.ESR5-NO-31-24VAC-DC |
| -ES3 | 1 | Safety relay emergency stop/protective door, 24VDC/AC, 3 enabling paths | ESR5-NO-31-24VAC-DC | ETN | ETN.ESR5-NO-31-24VAC-DC |
| -F1 | 1 | Over current switch, 32A, 4p, B-Char, AC | FAZ-B32/4 | ETN | ETN.FAZ-B32/4 |
| -F2 | 1 | Over current switch, 32A, 4p, B-Char, AC | FAZ-B32/4 | ETN | ETN.FAZ-B32/4 |
| -F3 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F3.1 | 1 | Over current switch, 6A, 1p, C-Char, DC current | PXL-C6-DC | ETN | ETN.PXL-C6-DC |
| -F3.2 | 1 | Over current switch, 6A, 1p, C-Char, DC current | PXL-C6-DC | ETN | ETN.PXL-C6-DC |
| -F4 | 1 | Over current switch, 6A, 1Np, C-Char, AC | FAZ-PN-C6/1N | ETN | ETN.FAZ-PN-C6/1N |
| -F5 | 1 | Over current switch, 16A, 1Np, C-Char, AC | FAZ-PN-C16/1N | ETN | ETN.FAZ-PN-C16/1N |
| -F6 | 1 | Over current switch, 16A, 1Np, C-Char, AC | FAZ-PN-C16/1N | ETN | ETN.FAZ-PN-C16/1N |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -F7 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F8 | 1 | Over current switch, 2A, 3p, C-Char, AC | PXL-C2/3 | ETN | ETN.PXL-C2/3 |
| -F9 | 1 | Over current switch, 6A, 1p, C-Char, AC | PXL-C6/1 | ETN | ETN.PXL-C6/1 |
| -F10 | 1 | Over current switch, 6A, 1p, C-Char, AC | PXL-C6/1 | ETN | ETN.PXL-C6/1 |
| -F11 | 1 | Over current switch, 6A, 1p, C-Char, AC | PXL-C6/1 | ETN | ETN.PXL-C6/1 |
| -FAN_TE | 0 | | | | |
| -G1 | 1 | Power supply unit | TRIO-PS/1AC/24DC/10 | PXC | PXC.2866323 |
| -HL1 | 1 | Monolithic pilot light Ø 22 - green - integral LED - 230V | | SE | SE.XB7EV03MP |
| -HL2 | 1 | Monolithic pilot light Ø 22 - green - integral LED - 230V | | SE | SE.XB7EV03MP |
| -HL3 | 1 | Monolithic pilot light Ø 22 - green - integral LED - 230V | | SE | SE.XB7EV03MP |
| -K1 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K1 | 1 | Auxiliary contact module, 3N/O+1N/C, surface mounting, screw connection | DILA-XHI31 | ETN | ETN.DILA-XHI31 |
| -K01 | 1 | Contactor TeSys CAD-50 - 5 NO + 0 NC - 10A - 24 VDC,screw-clamps terminals | CAD 5NO 24VDC | SE | SE.CAD50BD |
| -K01 | 1 | Auxiliary contact block, TeSys Deca, 4NO, front mounting, screw clamp terminals | LADN40 | SE | SE.LADN40 |
| -K2 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K2 | 1 | Auxiliary contact module, 3N/O+1N/C, surface mounting, screw connection | DILA-XHI31 | ETN | ETN.DILA-XHI31 |
| -K02 | 1 | Contactor TeSys CAD-50 - 5 NO + 0 NC - 10A - 24 VDC,screw-clamps terminals | CAD 5NO 24VDC | SE | SE.CAD50BD |
| -K02 | 1 | Auxiliary contact block, TeSys Deca, 4NO, front mounting, screw clamp terminals | LADN40 | SE | SE.LADN40 |
| -K03 | 1 | Contactor TeSys CAD-50 - 5 NO + 0 NC - 10A - 24 VDC,screw-clamps terminals | CAD 5NO 24VDC | SE | SE.CAD50BD |
| -K03 | 1 | Auxiliary contact block, TeSys Deca, 4NO, front mounting, screw clamp terminals | LADN40 | SE | SE.LADN40 |
| -LP_Tablou1 | 1 | | | | STE.02540.0-03 |
| -LP_Tablou2 | 1 | | | | STE.02540.0-03 |
| -LS | 1 | | | | ETN.LS-11 |
| -M1/B-02 | 0 | | | | |
| -M2/B-03 | 0 | | | | |
| -M3/B-04 | 0 | | | | |
| -M4/B-06 | 0 | | | | |
| -M5/B-07 | 0 | | | | |
| -M6/B-08 | 0 | | | | |
| -M7/B-12 | 0 | | | | |
| -M8/B-13 | 0 | | | | |
| -M9/B-14 | 0 | | | | |
| -M10/B-15 | 0 | | | | |
| -M11 | 0 | | | | |
| -M12 | 0 | | | | |
| -PRIZA_SERVICE1 | 0 | | | | |
| -PRIZA_SERVICE2 | 0 | | | | |
| -PRS_1 | 0 | | | | |
| -PRS_2 | 0 | | | | |
| -Q0 | 1 | Switch-disconnector Compact INS160 - 4 poles - 160 A | 28913 | SE | SE.28913 |
| -Q1 | 1 | Motor circuit breaker, TeSys Deca, 3P, 9-14 A, thermal magnetic, screw clamp terminals | GV2ME16 | SE | SE.GV2ME16 |
| -Q1 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q1 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q2 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q2 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q2 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q3 | 1 | Motor circuit breaker, TeSys Deca, 3P, 9-14 A, thermal magnetic, screw clamp terminals | GV2ME16 | SE | SE.GV2ME16 |
| -Q3 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q3 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q4 | 1 | Motor circuit breaker, TeSys Deca, 3P, 9-14 A, thermal magnetic, screw clamp terminals | GV2ME16 | SE | SE.GV2ME16 |
| -Q4 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q4 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q5 | 1 | Motor circuit breaker, TeSys Deca, 3P, 9-14 A, thermal magnetic, screw clamp terminals | GV2ME16 | SE | SE.GV2ME16 |
| -Q5 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q5 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q6 | 1 | Motor circuit breaker, TeSys Deca, 3P, 9-14 A, thermal magnetic, screw clamp terminals | GV2ME16 | SE | SE.GV2ME16 |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -Q6 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q6 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q7 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q7 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q7 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q8 | 1 | Motor circuit breaker, TeSys Deca, 3P, 9-14 A, thermal magnetic, screw clamp terminals | GV2ME16 | SE | SE.GV2ME16 |
| -Q8 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q8 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q9 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q9 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q9 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q10 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q10 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q10 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q11 | 1 | Motor circuit breaker, TeSys Deca, 3P, 24-32 A, thermal magnetic, screw clamp terminals | GV2ME32 | SE | SE.GV2ME32 |
| -Q11 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q11 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q12 | 1 | Motor circuit breaker, TeSys Deca, 3P, 17-23 A, thermal magnetic, screw clamp terminals | GV2ME21 | SE | SE.GV2ME21 |
| -Q12 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q12 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q13 | 1 | Motor circuit breaker, TeSys Deca, 3P, 17-23 A, thermal magnetic, screw clamp terminals | GV2ME21 | SE | SE.GV2ME21 |
| -Q13 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q13 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -R1 | 0 | | | | |
| -R1 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R2 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -R3 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -R4 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -R5 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -R6 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -R7 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -R8 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -R11 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RM | 1 | Monitoring relay, 3 phase + neutral AC line monitoring - AC (50/60 Hz) - 380...415 V | 70.41.8.400.2030 | FIN | FIN.70.41.8.400.2030 |
| -RQ1 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ1 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ2 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ2 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ3 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ3 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ4 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ4 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ5 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ5 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ6 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ6 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ7 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ7 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ8 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ8 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ9 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ9 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ10 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ10 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ11 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ11 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -RQ12 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ12 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ13 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RS1 | 2 | Push-button actuator, complete unit | M22-DL-G-K10LED-BVP | ETN | ETN.110930 |
| -RSTOP1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RSTOP2 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RSTOP3 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU2 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU3 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU4 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU5 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU6 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU7 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU8 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU11 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -S1 | 1 | Monolithic selector switch - Ø 22 - black - standard handle - 3 positions - 2 NO | | SE | SE.XB7ND33 |
| -TD | 0 | | | | |
| -Th_1 | 1 | Double Thermostat | NSYCCOTHD | SE | SE.NSYCCOTHD |
| -U1 | 1 | | | | DAN.FC-302P4K0T5E20H1BGXXXXSXXXXALB8CXXXXD0 |
| -U2 | 0 | | | | |
| -U3 | 0 | | | | |
| -U4 | 0 | | | | |
| -U5 | 0 | | | | |
| -U6 | 0 | | | | |
| -U7 | 0 | | | | |
| -U8 | 0 | | | | |
| -U9 | 0 | | | | |

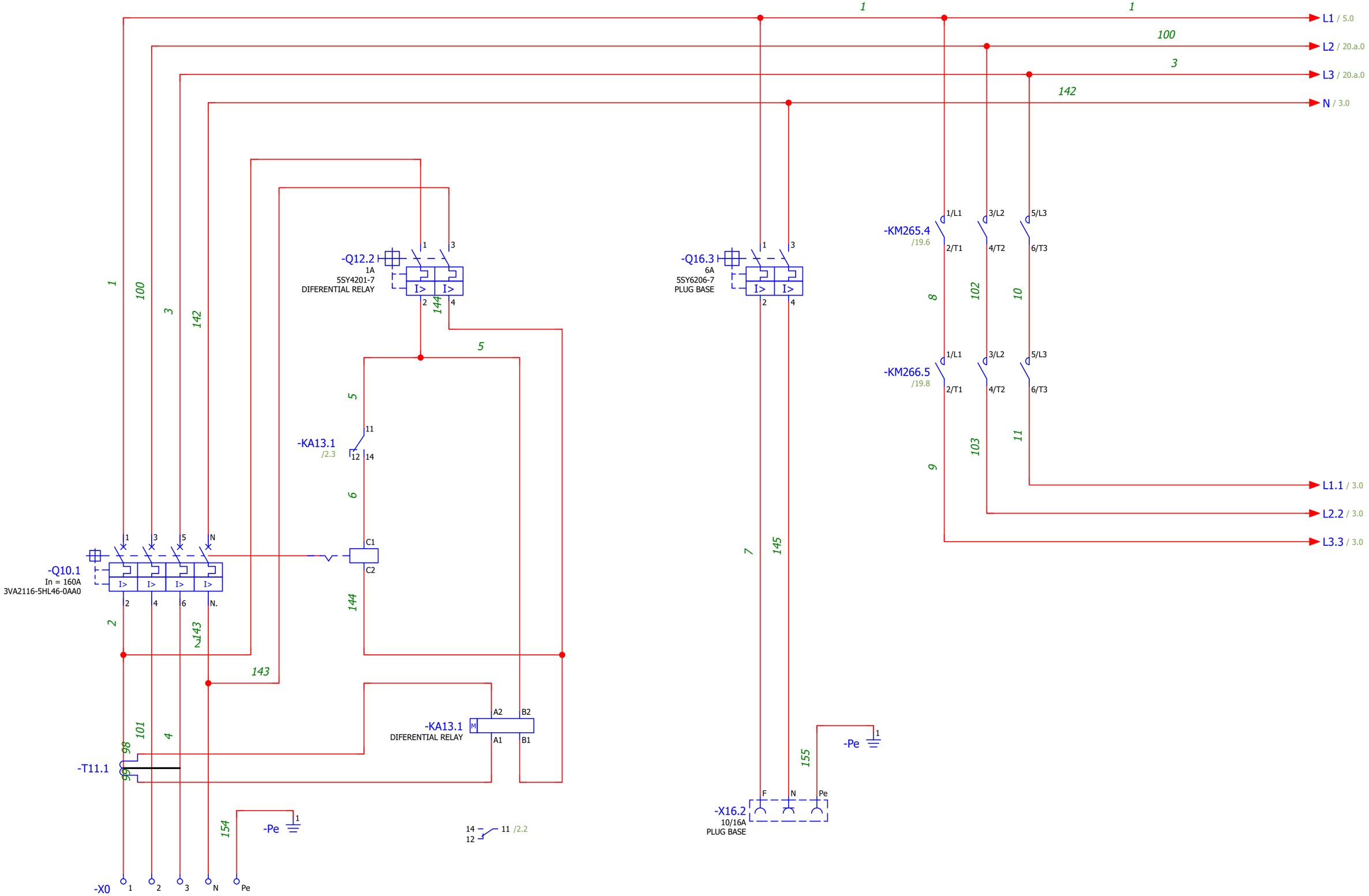
34.b

SC TEHNIMARKET SRL

Str. Arcadie Septilici Nr. 1 C
600234 BACAU
Phone

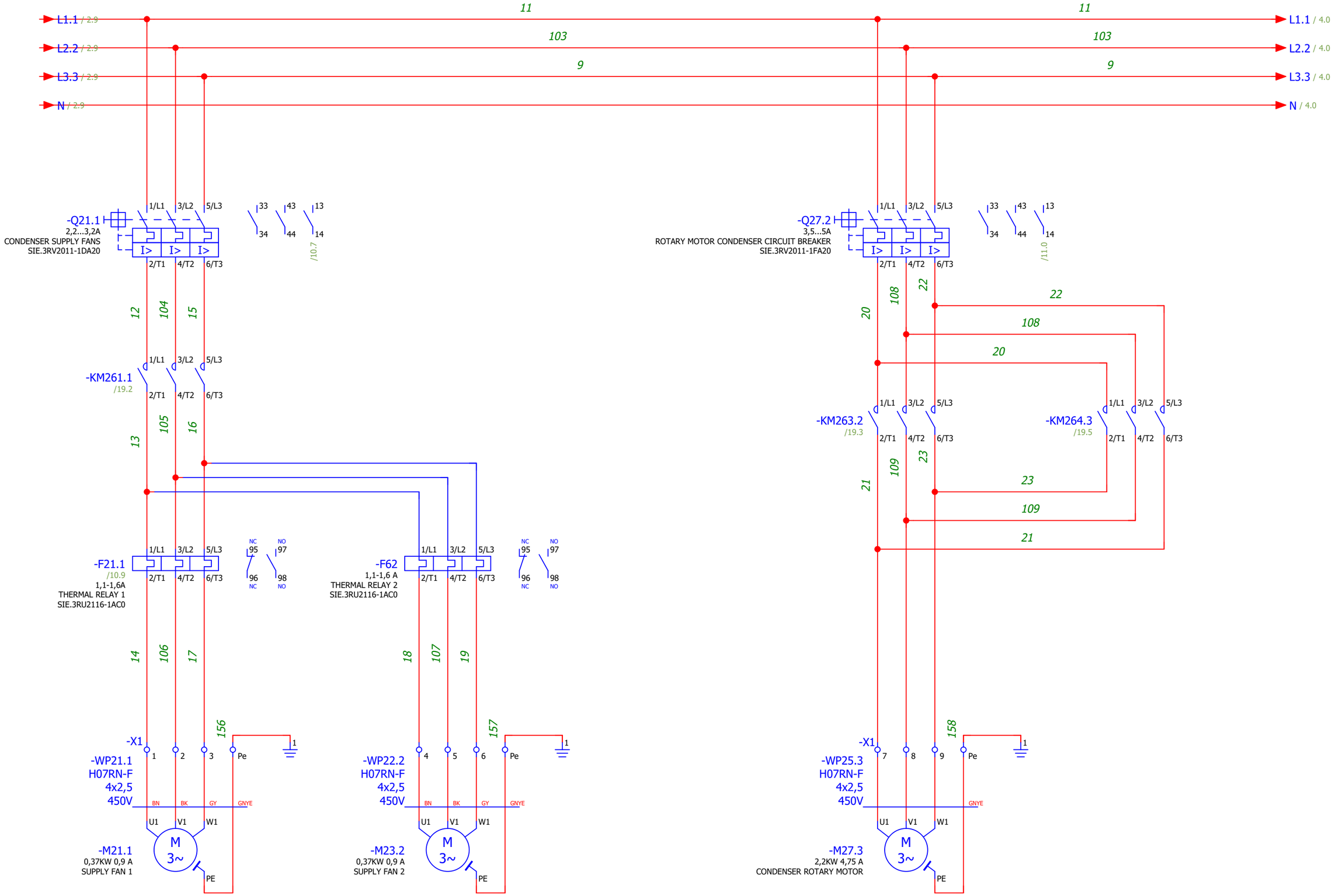
| | |
|---|---|
| Company / customer | Statie sortare ROIESTI |
| Project description | TE_Benzi_separator aeraulic_separator optic_cabina sortare C1/C3 |
| Job number | IEC_bas001 |
| Commission | EPLAN |
| Manufacturer (company) | SC TEHNIMARKET SRL |
| Path | EPLAN sample project |
| Project name | TE_3_Separator aeraulic_benzi_B16_B32 |
| Make | |
| Type | |
| Place of installation | |
| Responsible for project | |
| Part feature | |

| | | | | |
|---|---|---|---|---|
| Created on | 31/07/2023 | | | |
| Edit date | 24/08/2023 | by (short name) | Nelu | Number of pages 81 |

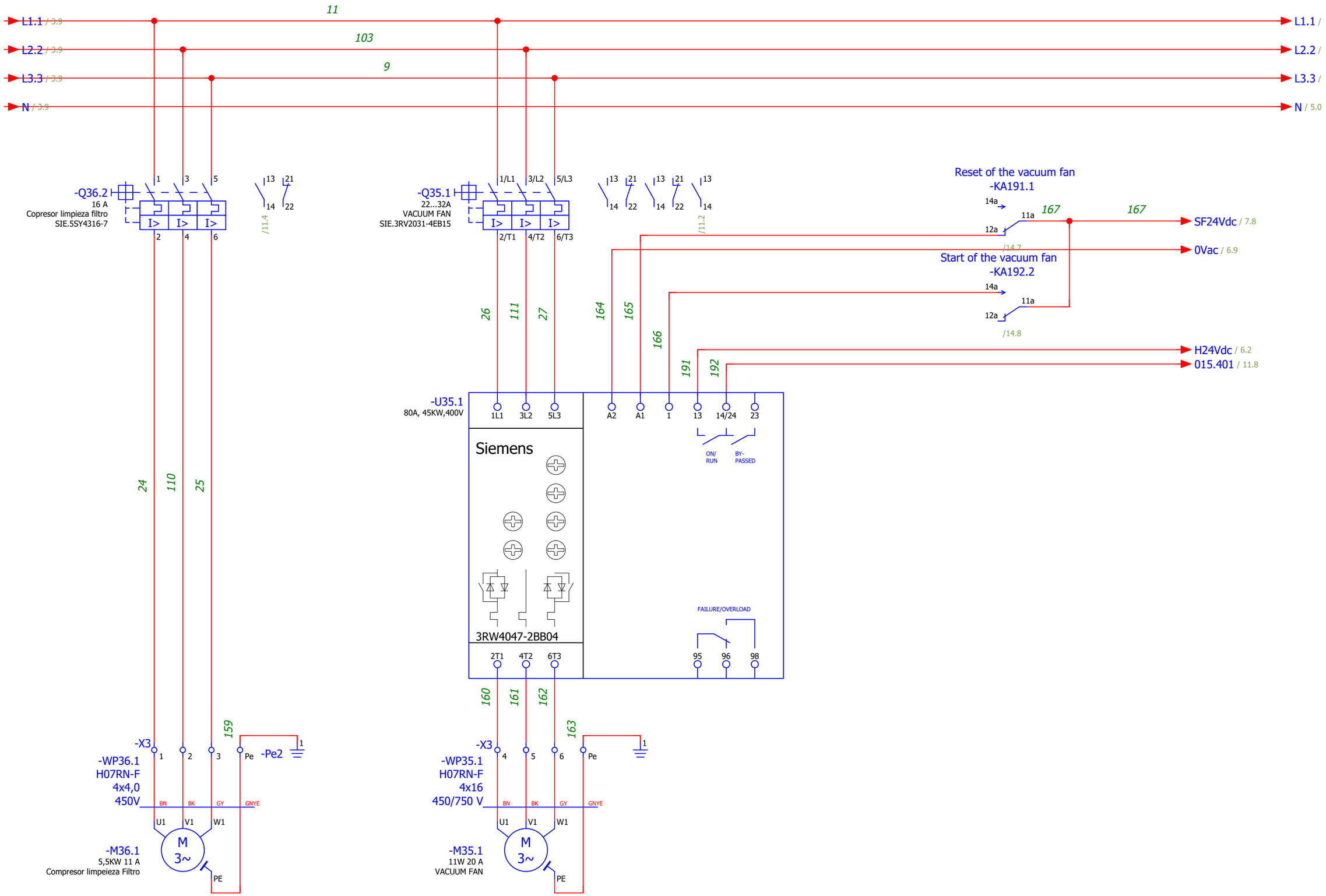



1 3

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Alim 1 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 2 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 2 / 81 |

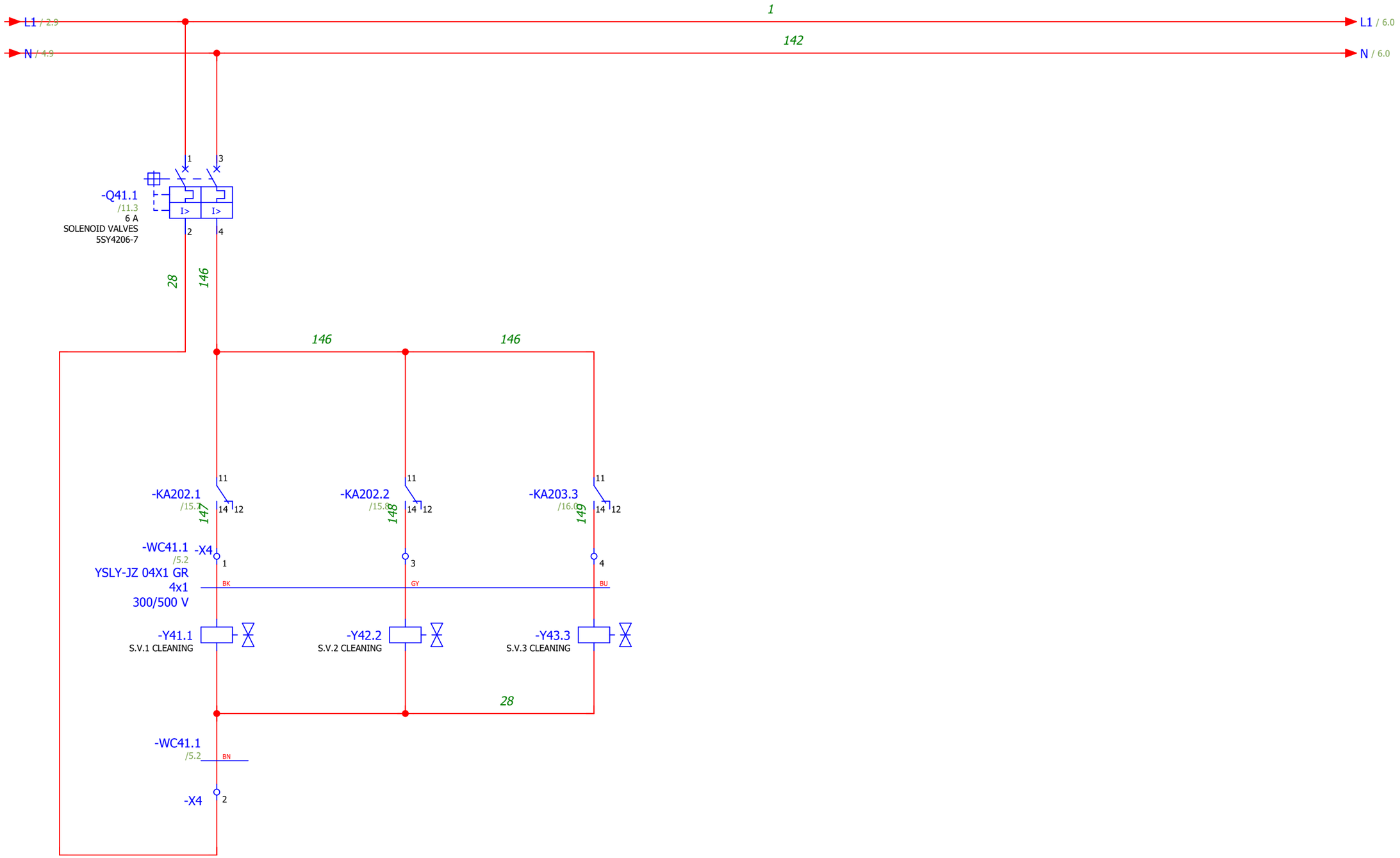



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M21/M23/M27 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page | 3 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page | 3 / 81 |






| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M36.1/M35.1 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | | IEC_bas001 | Page 4 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 4 / 81 |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Y41/Y42/Y43 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 5 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 5 / 81 |

L1 / 5.9
N / 5.9
1
142
L1 / 7.0
N / 7.0
198
198
198
24Vac /

-Q60.1
/10.6
3 A
HANDLING
5SY4203-8
1 3 2 4
I> I>

29
150
-T60.1
400/24Vac
TRANSFORMER
1 4
3 2 5

195
196
1
193
-F60.1
/10.5
24Vdc
OVERVOLTAGES
Weidmüller
VPU III R
PE N IN L
PE' N' OUT L' 11 12 NC
208
194
164
197
013.601
7.2
H24Vdc
4.8

-Q63.2
/10.7
6 A
HANDLING 24Vac
5SY6106-7
1 2
198
198

-M63.1
FAN CABINET
M
1~
1 2 PE
209
1

-KA184.2
/14.2
11a
14a 12a
-KA185.3
/14.3
11a
14a 12a
-KSA83.1
/8.3
11
14 12
201
-KSA84.2
/8.4
11
14 12
202
SF24Vac / 19.0

199
200
202

-H64.1
Power
WHITE
x1 x2
-H65.2
ANOMALY
RED
x1 x2
-H66.3
HORN
x1 x2
-S132.1
/10.1
SAFETY RESET
BLUE
x1 x2

164 164 164 164
0Vac / 4.8

5 7

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Aux/Semn | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 6 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 6 / 81 |

0 1 2 3 4 5 6 7 8 9

L1 / 6.9 — 1 — L1 / 20.a.0

N / 6.9 — 142 — N / 20.a.0

-Q71.1
6 A
HANDLING
5SY4206-7

-V71.1
AC 230 V/ DC 24 / 5 A
Power supply
6EP1333-3BA00

-F72.2
In: DC 24 V
Out: DC 24 V/10 A

SIEMENS
SITOP PSE200U
SELECTIVITY MODULE 10A
6EP1961-2BA21

DELAY
SEQUENTIAL
SWITCH-ON
DELAY
NO DELAY

INPUT
OUTPUT
CONTROL LOGIC
RESET

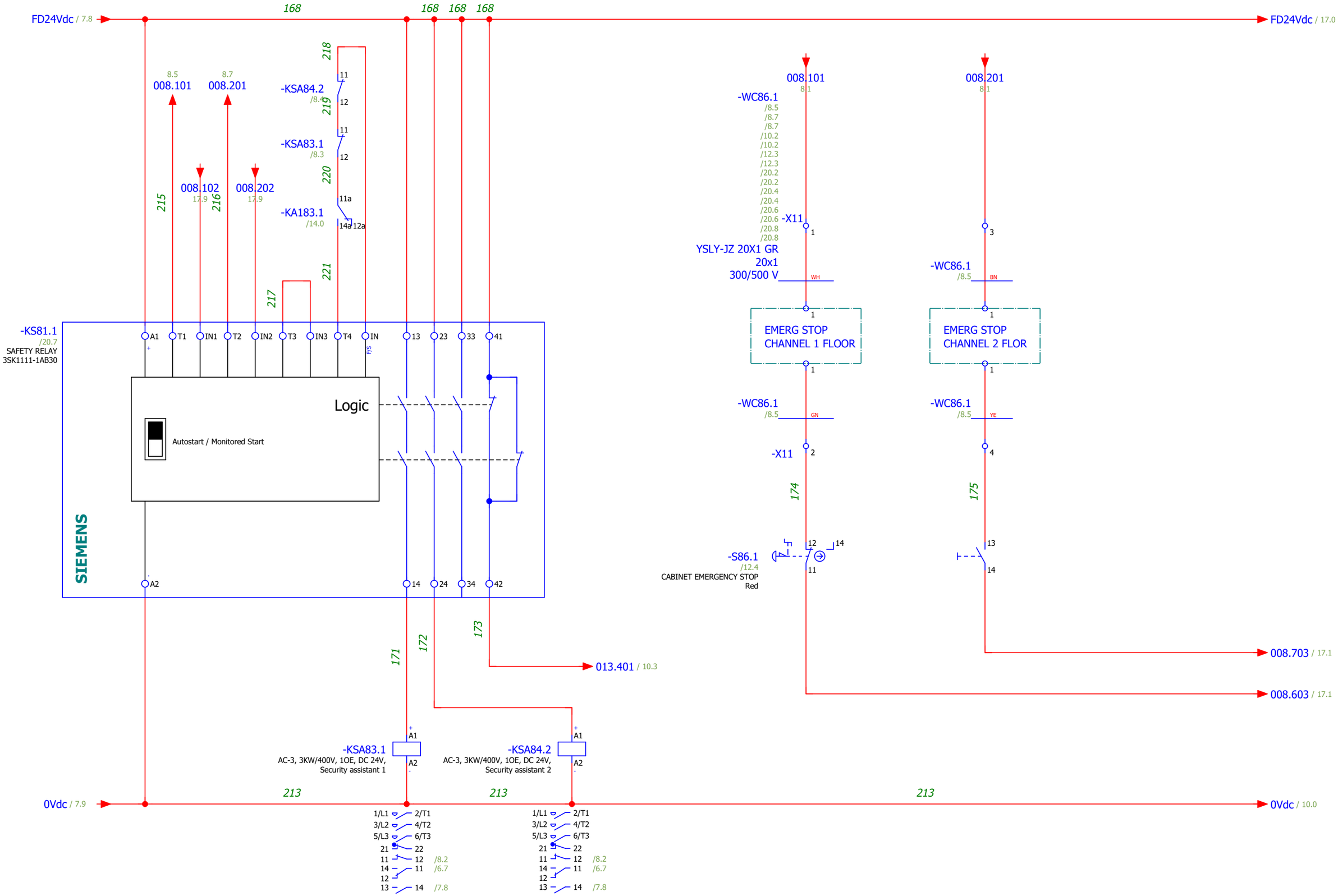
-F63
24Vdc
OVERVOLTAGES
Weidmüller
VPU III R

-KSA83.1 /8.3
-KSA84.2 /8.4

013.601 6.2
H24Vdc 7.8
013.501 / 10.4
H24Vdc / 7.2
SF24Vdc / 4.8
FD24Vdc / 8.1
CO24Vdc /
0Vdc / 8.1

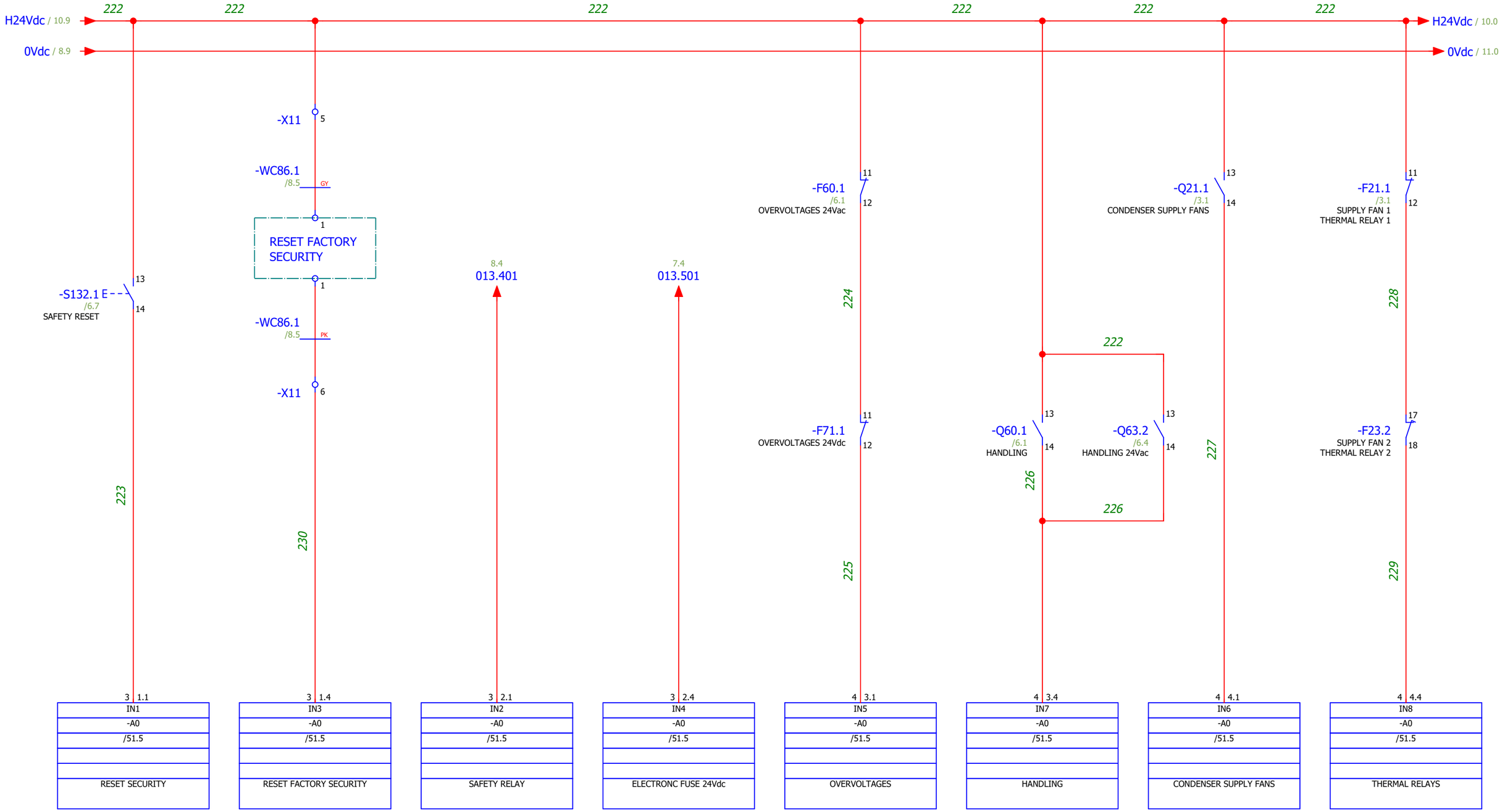
6 8

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Power Supply | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 7 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 7 / 81 |



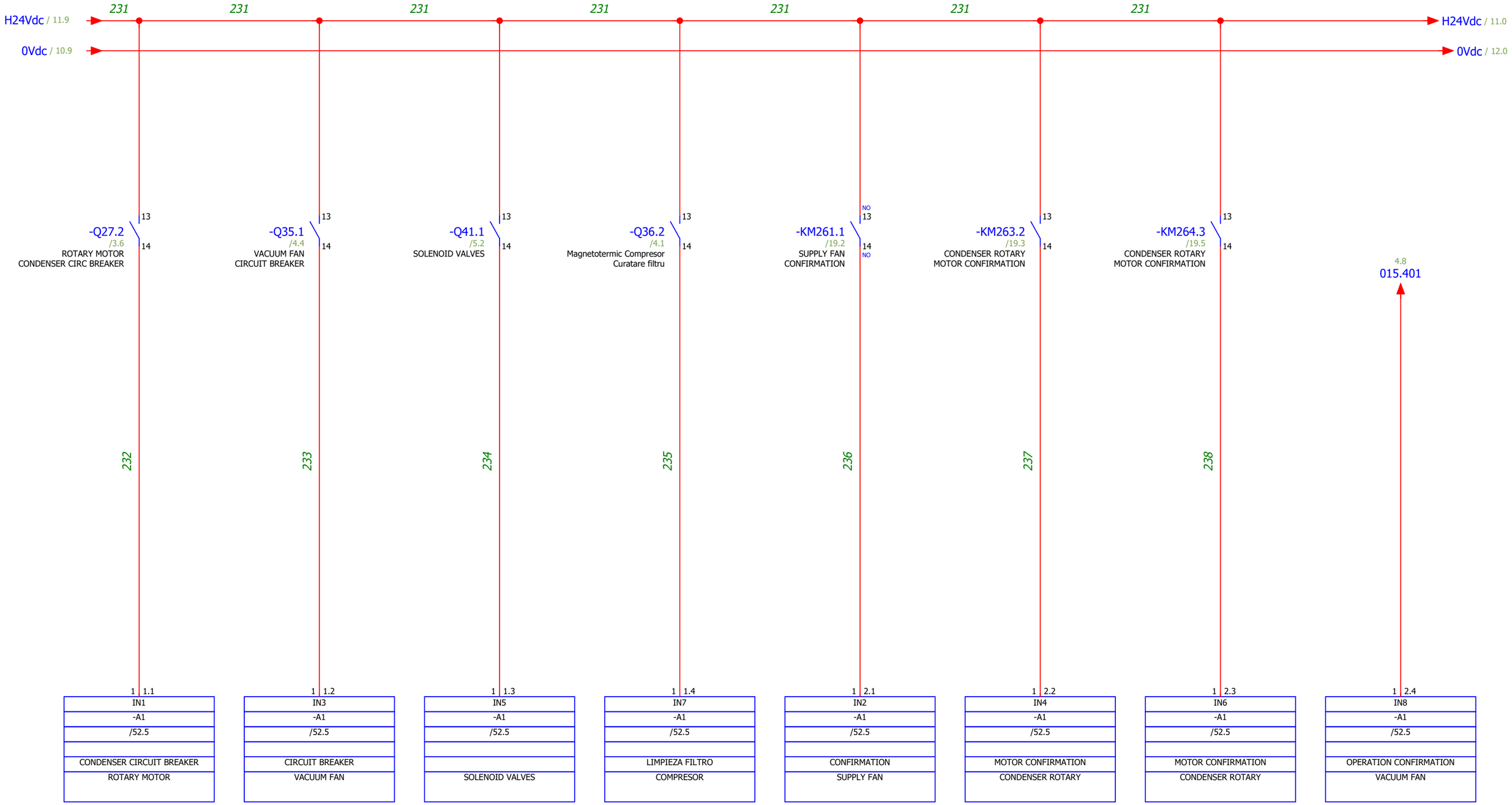



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Safety relay | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 8 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 8 / 81 |



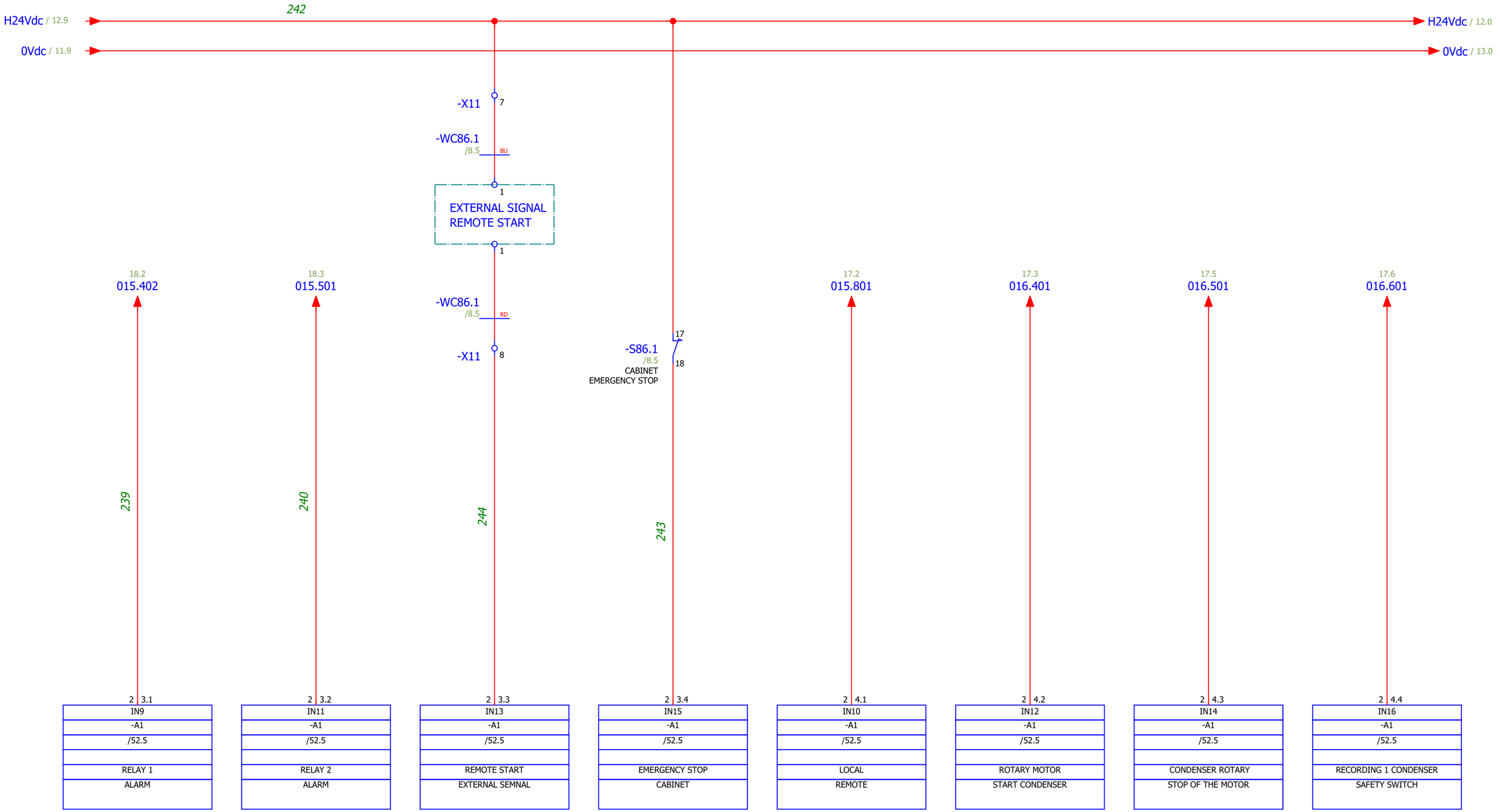



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 10 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 9 / 81 |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 11 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 10 / 81 |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 12 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 11 / 81 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|

H24Vdc / 13.9 → H24Vdc / 13.0

0Vdc / 12.9 → 0Vdc / 14.0

17.7
016.701

17.8
017.401

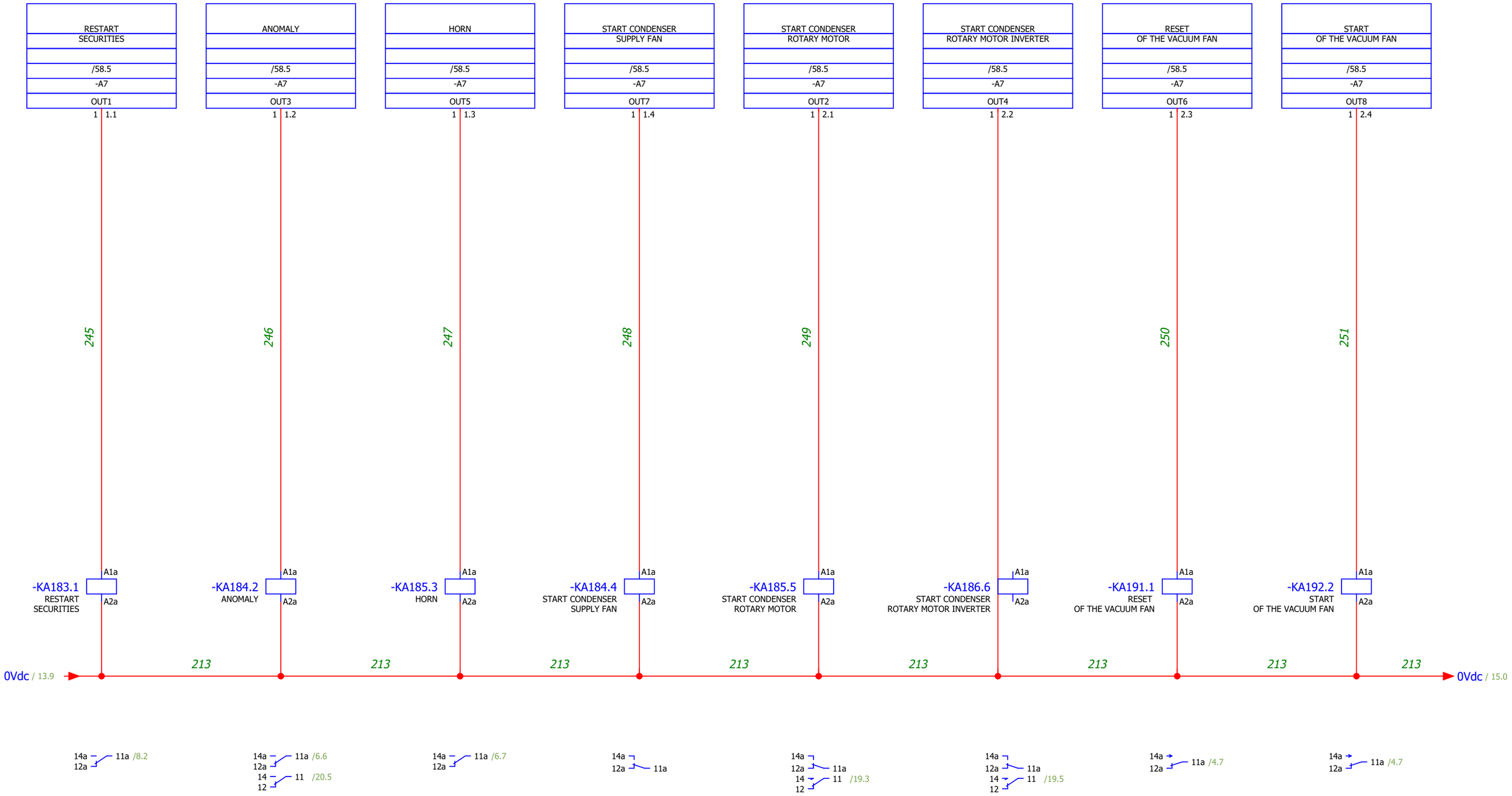
3 | 5.1
IN17
-A1
/52.5
RECORDING 2 CONDENSER
SAFETY SWITCH

3 | 5.2
IN19
-A1
/52.5
RECORDING 3 CONDENSER
SAFETY SWITCH

12

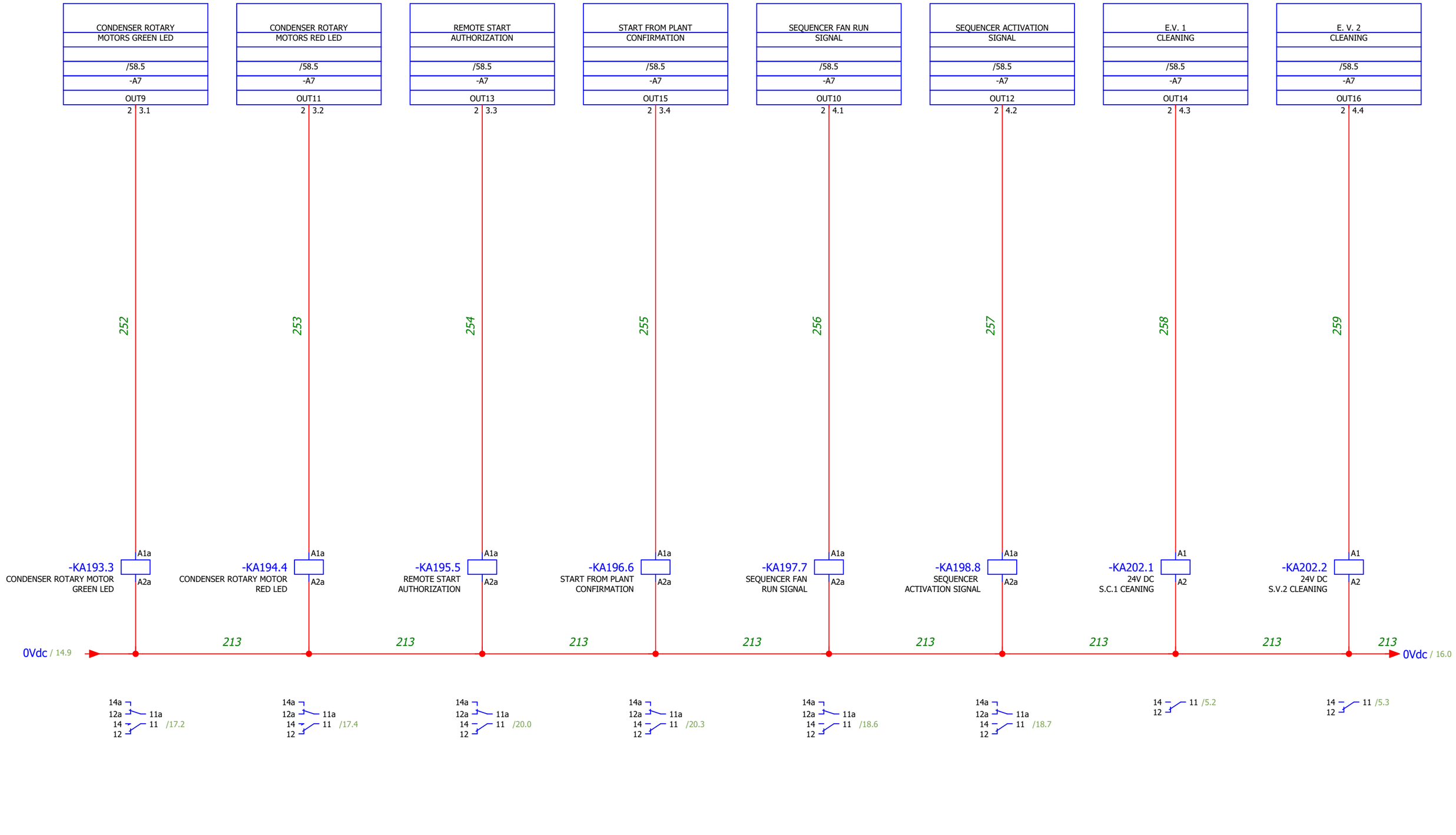
14

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | | SC TEHNIMARKET SRL | I/O | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | | C1/C3 | | IEC_bas001 Page 13 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 12 / 81 |




13 15

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | I/O | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 14 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 13 / 81 |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 15 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 14 / 81 |

E. V. 3
CLEANING
/58.5
-A7
OUT17
3 5.1

260

A1
-KA203.3
24V DC
S.V.3 CLEANING
C10-A10X/DC24V
A2

0Vdc / 15.9

0Vdc / 17.0

14
12
11 /5.4



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | I/O | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | | IEC_bas001 | Page 16 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 15 / 81 |

FD24Vdc / 8.9
0Vdc / 16.9
168
FD24Vdc /
0Vdc /

-KA193.3
/15.0
11
12 14

-KA194.4
/15.2
11
12 14

8.9 008.603
8.9 008.703
12.5 015.801
12.6 016.401
12.7 016.501
12.9 016.601
13.0 016.701
13.2 017.401
8.1 008.102
8.2 008.202

-WC10.1
YSLY-JZ 16X1 GR
16x1
300/500 V

-B10.0
CONDENSER
-X10

-S10.1
EMERGENCY
Red
STOP CONDENSER

-S11.2
REMOTE /
LOCAL
CONDENSER

-S13.3
/17.3
START MOTOR
GREEN LAMP
CONDENSER ROTARY

-S13.3
/17.2
START MOTOR
CONDENSER ROTARY

-S14.4
/17.5
STOP MOTOR
RED LAMP
CONDENSER ROTARY

-S14.4
/17.4
STOP MOTOR
CONDENSER ROTARY

-S15.5
SAFETY
SWITCH
REGISTER 1

-S16.6
SAFETY
SWITCH
REGISTER 2

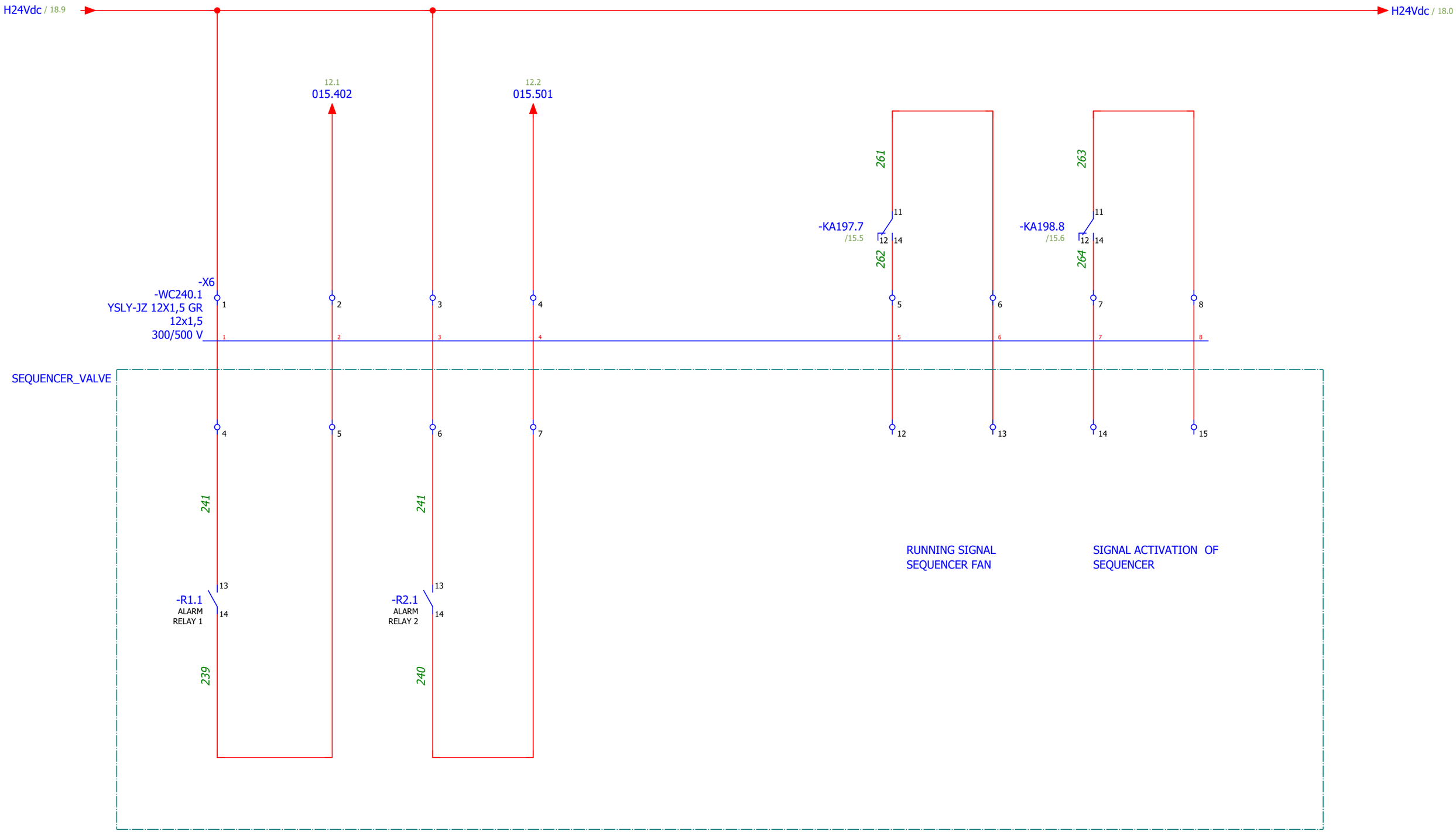
-S17.7
SAFETY
SWITCH
REGISTER 3

-S19.8
SAFETY
SWITCH
DRUM GATE

16

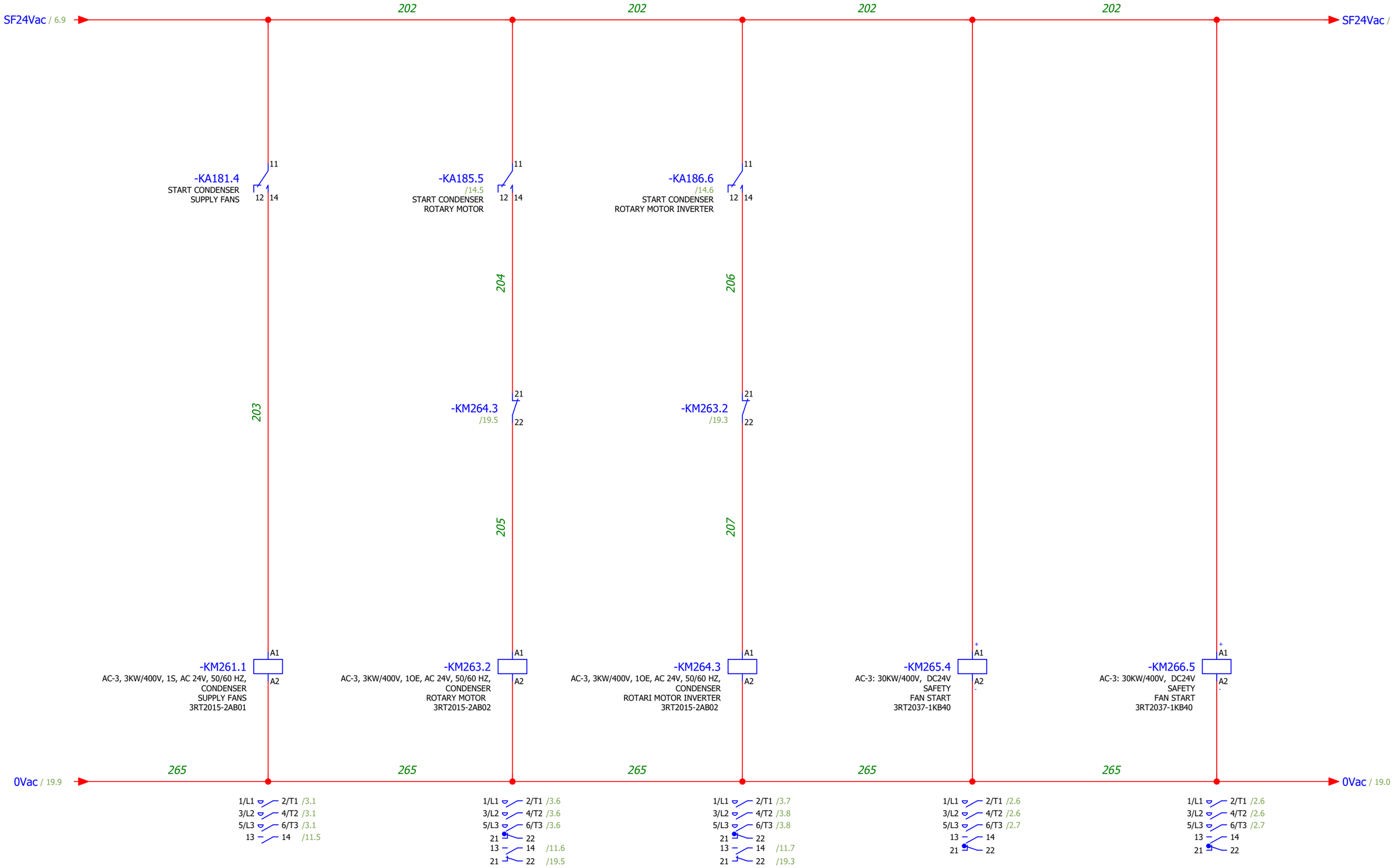
18

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | CONDENSER | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 17 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 16 / 81 |



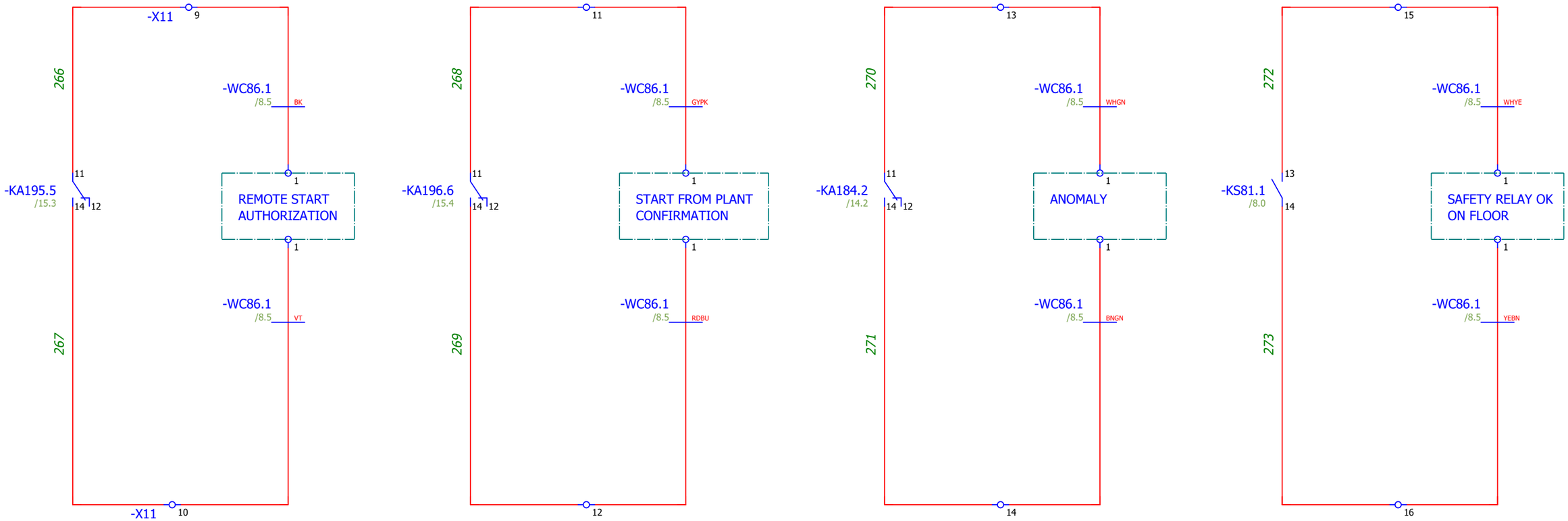



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | SEQ_VALVE | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page | 18 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page | 17 / 81 |



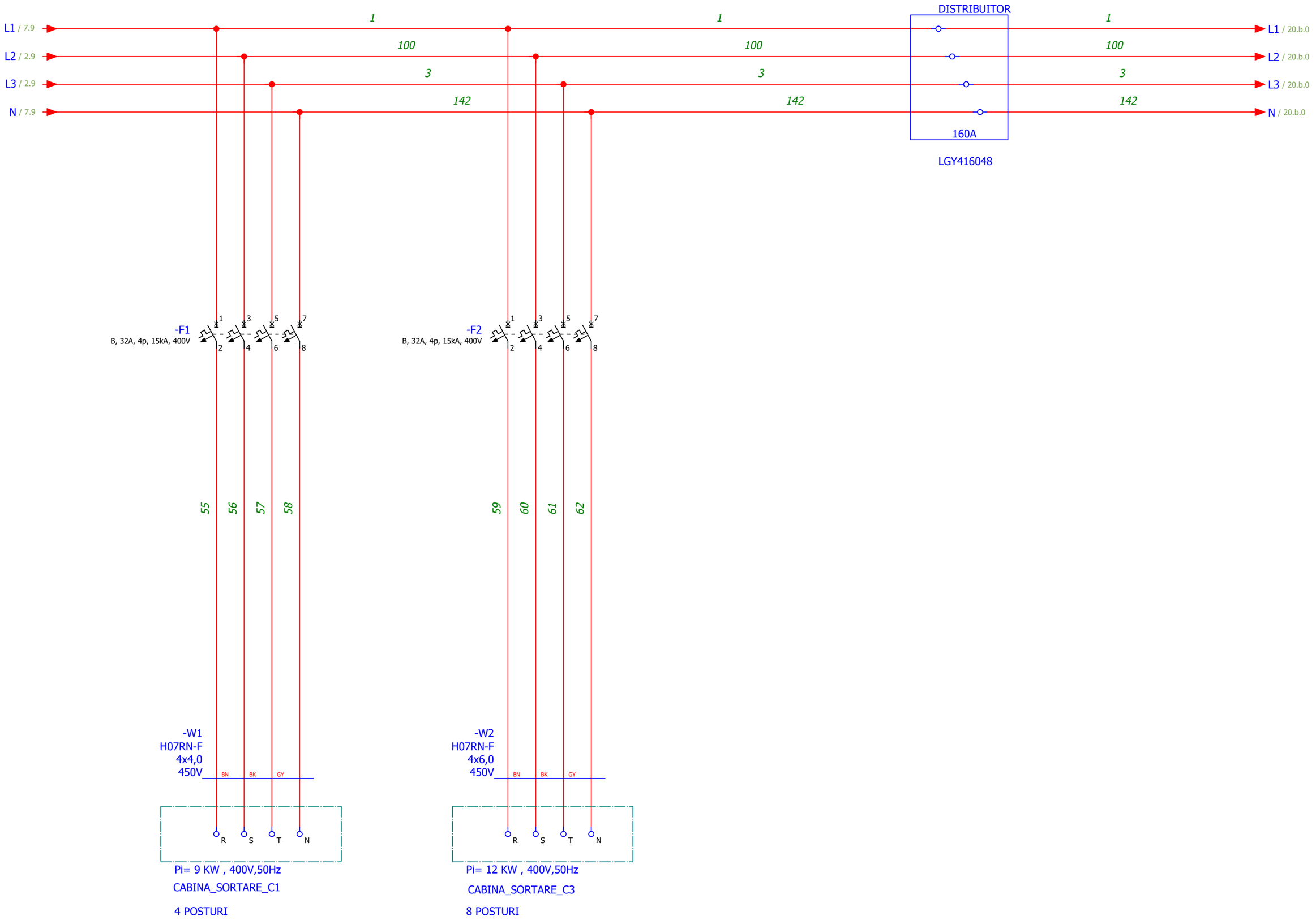



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | C_da forta | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 19 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 18 / 81 |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | REMOTE | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 20 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 19 / 81 |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Alimentare 2 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 20.a |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 20 / 81 |

L1 / 20.a.9
L2 / 20.a.9
L3 / 20.a.9
N / 20.a.9

-F3
PL6-C2/2
2A

-F4
C, 6A, 1p, 6kA, 230V
PL6-C6/1
6A

-F5
C, 16A, 1p, 6kA, 230V
PL6-C16/1
16A

-F6
C, 16A, 1p, 6kA, 230V
PL6-C16/1
16A

-F7
PL6-C6/1
6 A

-F8
PL7-C2/3N
2A

-HL1
230..240V

-HL2
230..240V

-HL3
230..240V

NDR-240-24
-G1
10 A
TRIO-PS/1AC/24DC/10

-RM1
/39.3
FIN
70.41.8.400.2030
Line monitoring relay
-RM

-F3.1
PL7-C6/1-DC

-F3.2
PL7-C6/1-DC

24L1+ / 20.c.0
24L- / 21.3
24L2+ /

-LS1

-LP_Tablou1
AC 100-240 V

-LP_Tablou2
AC 100-240 V

-PRIZA_SERVICE1
Z-SD230
230V , 50Hz

-PRIZA_SERVICE2
Z-SD230V
230V , 50Hz

-Th_1
250V

-R7
/40.2
60W
NSYCR250W230VV

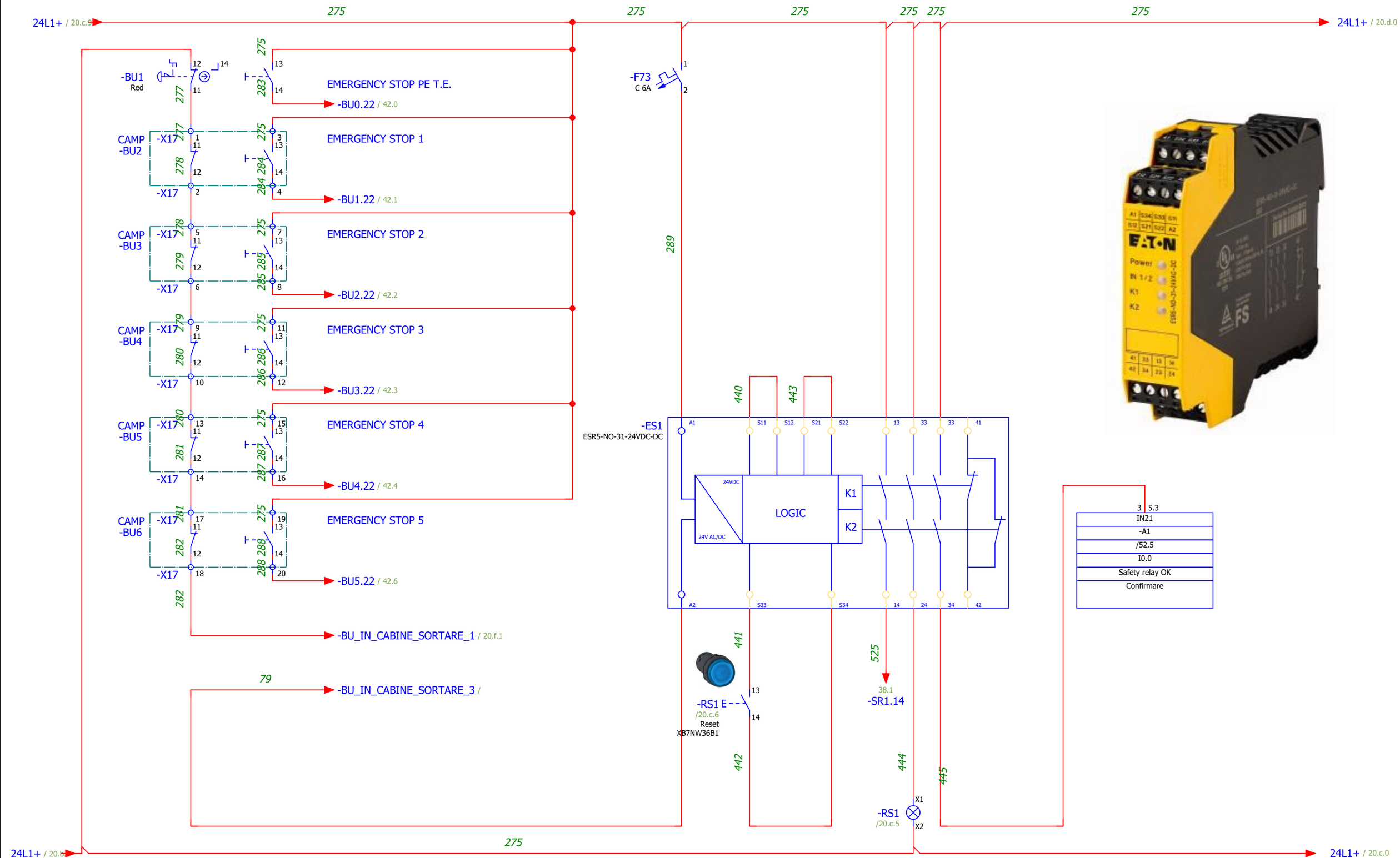
-FAN_TE1
NSYCYF850M230PF
Ventilator 850 m3/h



20.a 20.c

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Alimentare 2 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | | IEC_bas001 | Page 20.b |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 21 / 81 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|







20.b 20.d

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Safety relay benzi | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 20.c |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 22 / 81 |

0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

24L1+ / 20.d.9

275 275 275 275 275 275

CAMP -C1 -X20 275 1 11 290 12 -X20 2 — 275 3 13 298 14 298 4 — STOP & GO — -BUC3_1 / 44.1

CAMP -C2 -X20 290 5 11 291 12 -X20 6 — 275 7 13 299 14 299 8 — STOP & GO — -BUC3_2 / 44.2

CAMP -C3 -X20 291 9 11 292 12 -X20 10 — 275 11 13 300 14 300 12 — STOP & GO — -BUC3_3 / 44.3

CAMP -C4 -X20 292 13 11 293 12 -X20 14 — 275 15 13 301 14 301 16 — STOP & GO — -BUC3_4 / 44.4

CAMP -C5 -X20 293 17 11 294 12 -X20 18 — 275 19 13 302 14 302 20 — STOP & GO — -BUC3_5 / 44.5

CAMP -C6 -X20 294 21 11 295 12 -X20 22 — 275 23 13 303 14 303 24 — STOP & GO — -BUC3_6 / 44.6

CAMP -C7 -X20 295 25 11 296 12 -X20 26 — 275 27 13 304 14 304 28 — STOP & GO — -BUC3_7 / 44.7

CAMP -C8 -X20 296 29 11 297 12 -X20 30 — 275 31 13 305 14 305 32 — STOP & GO — -BUC3_8 / 44.9

-F76 C 6A 1 2

306

446 448

-ES4 ESR5-NO-31-24VDC-DC

A1 S11 S12 S21 S22 13 33 33 41

24VDC 24V AC/DC LOGIC K1 K2

A2 S33 S34 14 24 34 42

447 449




3 5.4
IN23
-A1
/52.5
I0.3
Safety relay cabina C3_8 posturi
Initializare temporizare stop banda

275

24L1+ / 20.c.0

24L1+ / 20.d.0

20.c 20.e

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Safety C3 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 20.d |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 23 / 81 |

24L1+ / 20.e.9

275 275 275 275 275 275

CAMP -C9 -X21 275 1 11 307 12 -X21 2 — 275 3 13 311 14 311 4 — STOP & GO — -BUC1_1 / 43.1

CAMP -C10 -X21 307 5 11 308 12 -X21 6 — 275 7 13 312 14 312 8 — STOP & GO — -BUC1_2 / 43.2

CAMP -C11 -X21 308 9 11 309 12 -X21 10 — 275 11 13 313 14 313 12 — STOP & GO — -BUC1_3 / 43.3

CAMP -C12 -X21 309 13 11 310 12 -X21 14 — 275 15 13 314 14 314 16 — STOP & GO — -BUC1_4 / 43.4

-F77 C 6A 1 2

315

450 452

-ES5 ESR5-NO-31-24VDC-DC

A1 S11 S12 S21 S22 13 33 33 41

24VDC 24V AC/DC LOGIC K1 K2

A2 S33 S34 14 24 34 42




3 | 6.1
IN18
-A1
/52.5
I0.4
Safety relay cabina C1_4 posturi
Initializare temporizare stop banda

310

451 453

275

24L1+ / 20.d.0 — 24L1+ / 20.e.0

24L1+ / 20.e.9 — 24L1+ / 20.f.1

20.d 20.f

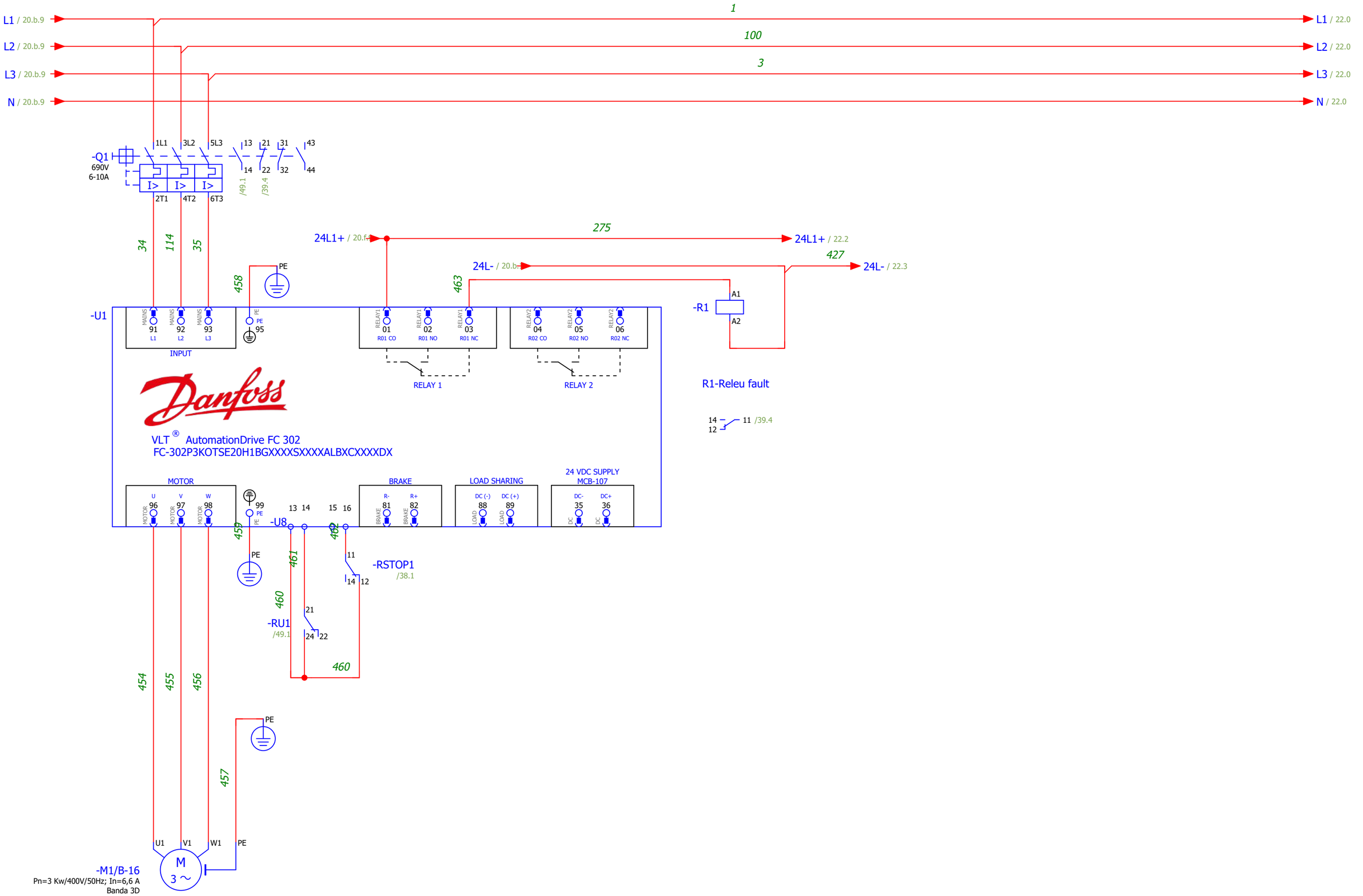
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Safety C1 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 20.e |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 24 / 81 |




## BUTOANE DE URGENTA AMPLASATE IN CABINE _ STOP LINIE

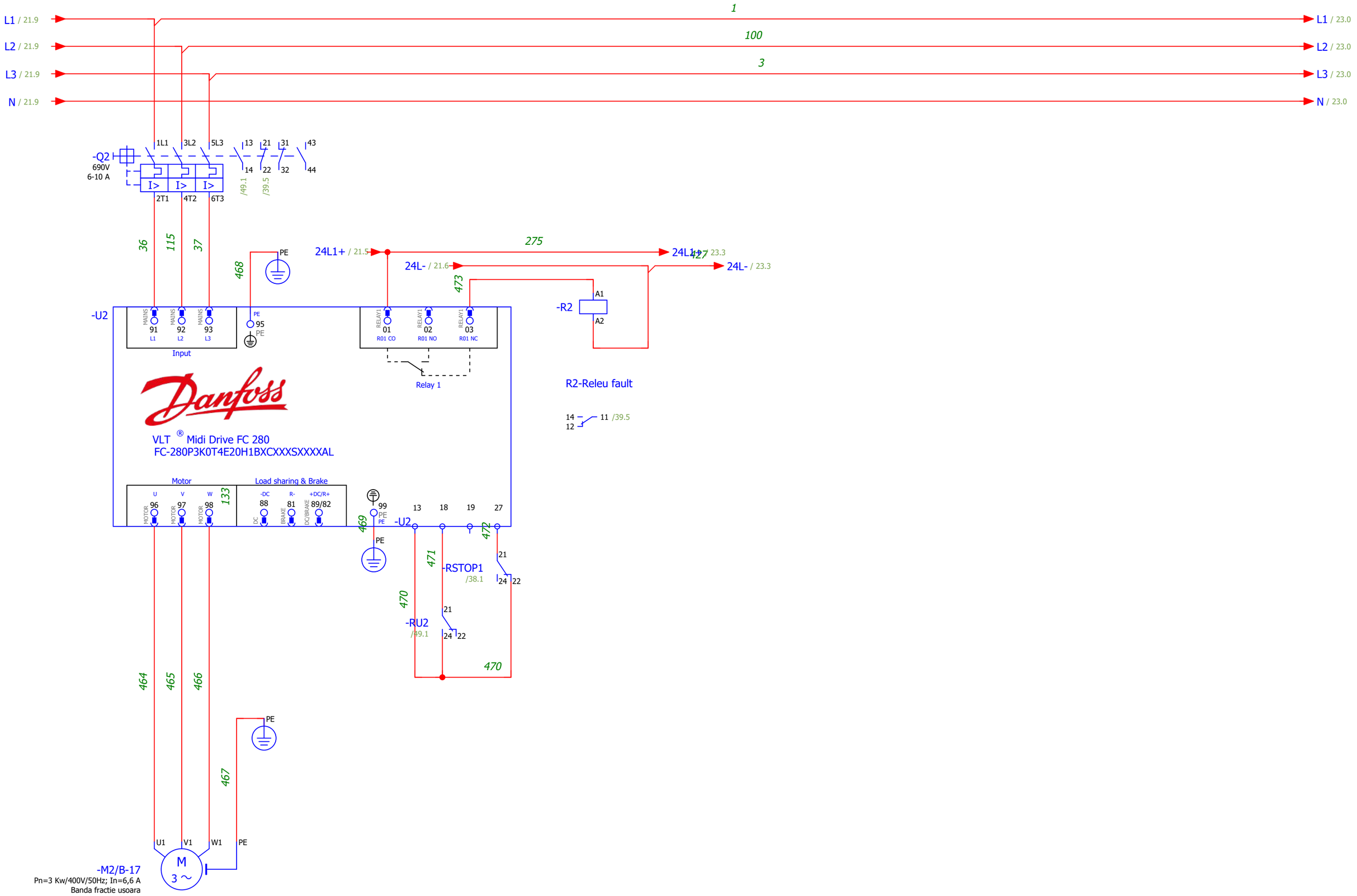


| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | BU_in_cabine | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | | IEC_bas001 | Page 20.f |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 25 / 81 |





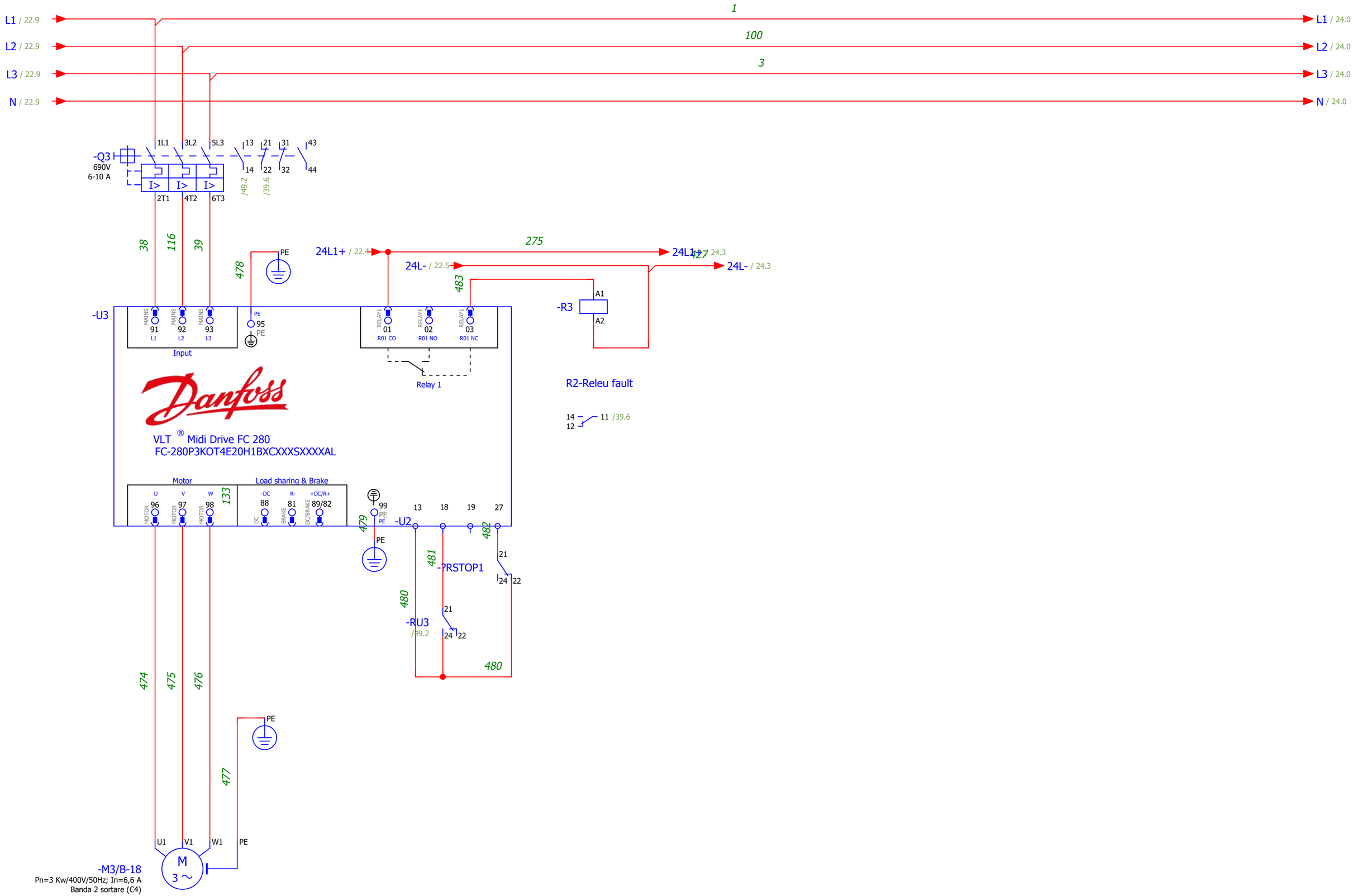

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M1/B-16 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 21 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 26 / 81 |




21 23

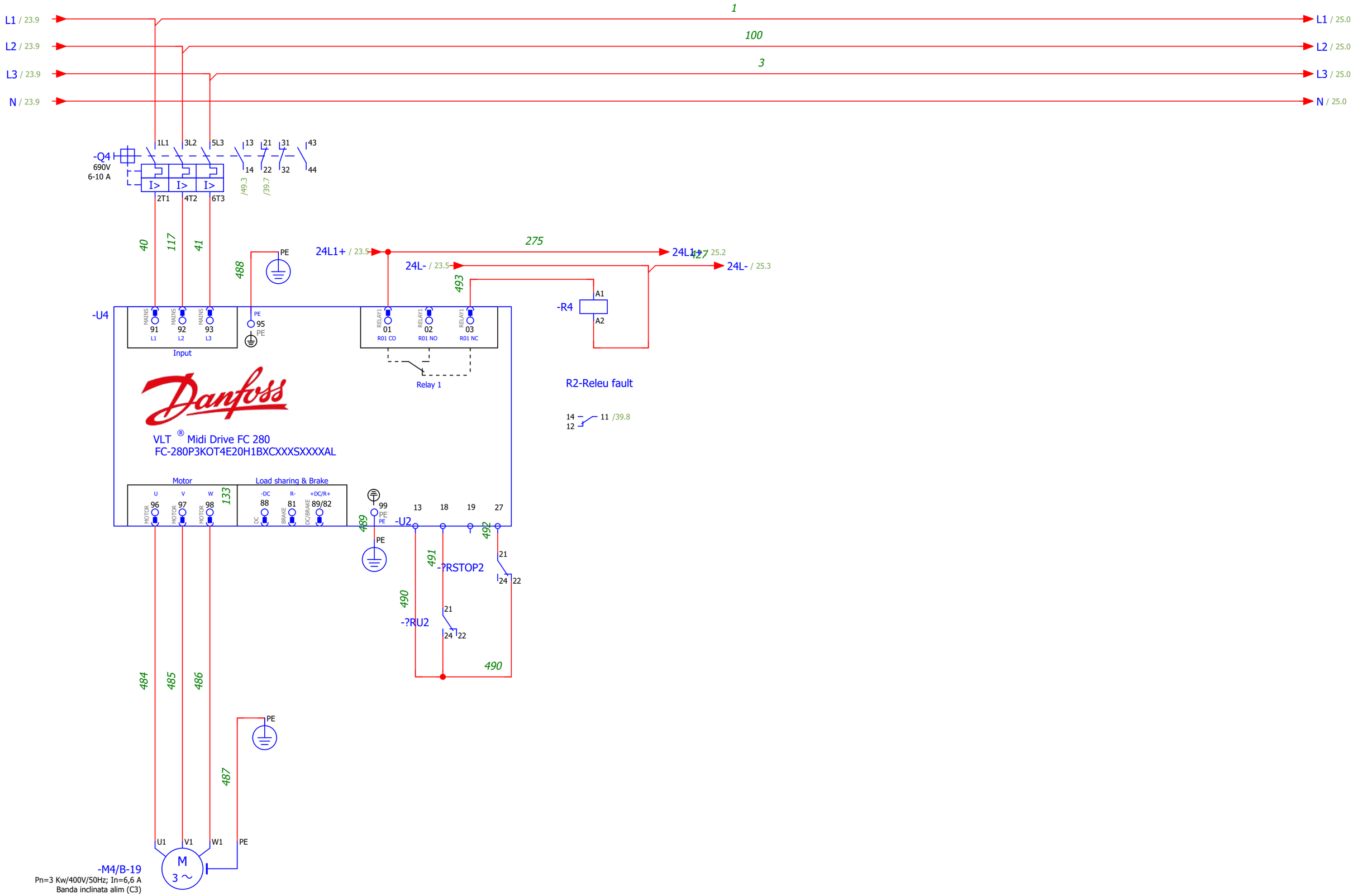
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M2/B-17 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | | IEC_bas001 | Page 22 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 27 / 81 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|





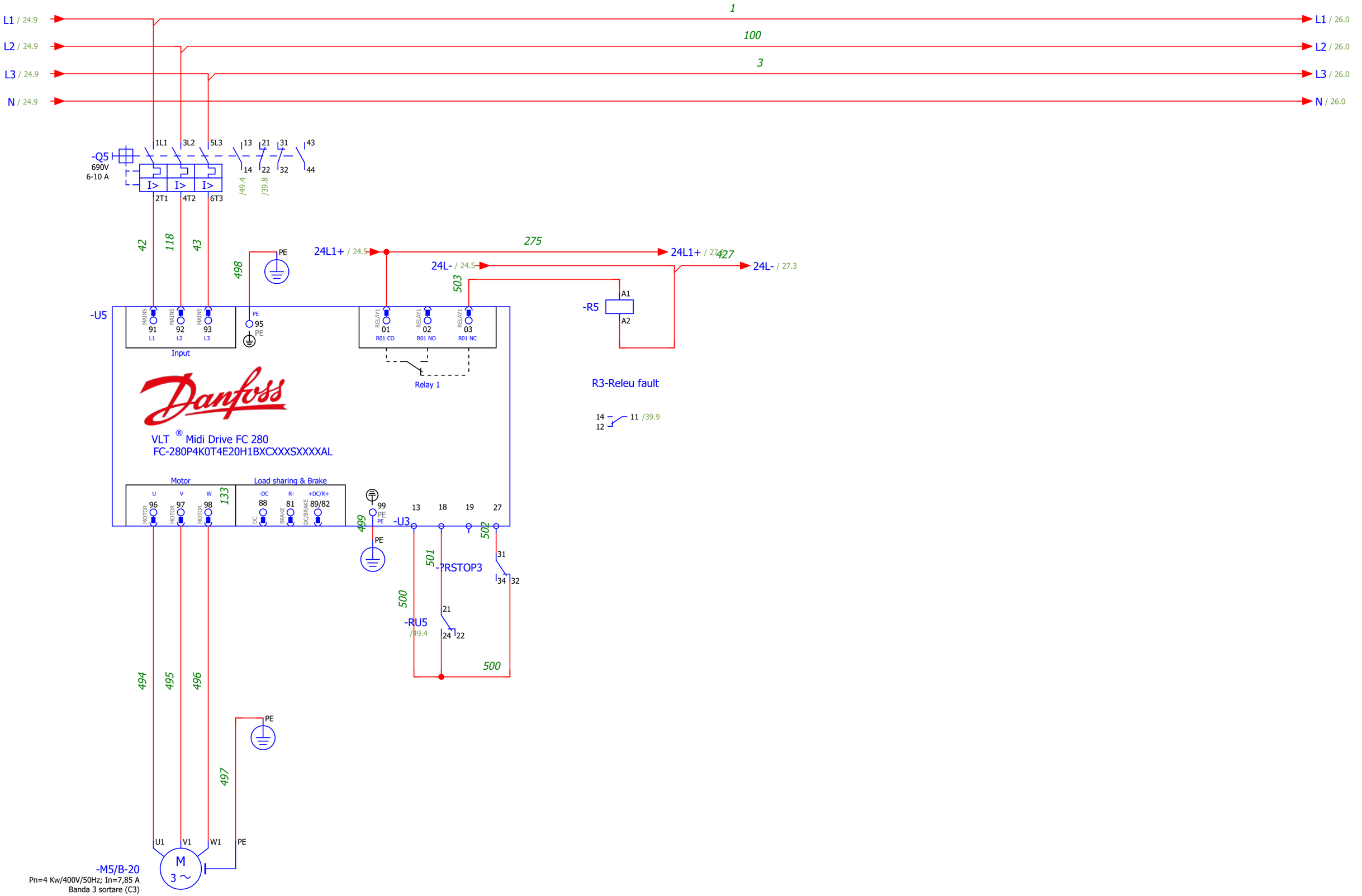

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M3/B-18 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 23 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 28 / 81 |






| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M4/B-19 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | | IEC_bas001 | Page 24 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 29 / 81 |

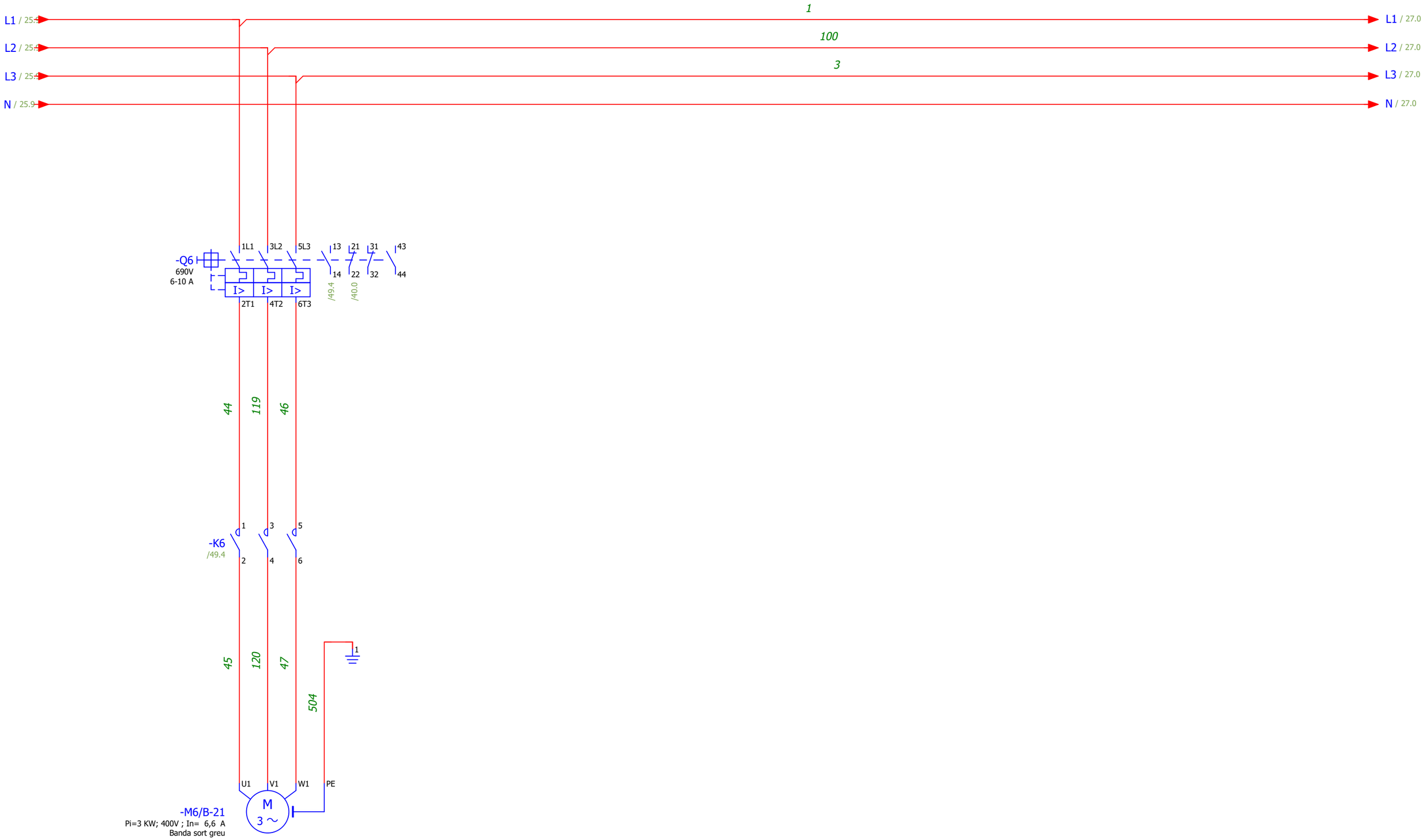
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|




24

26

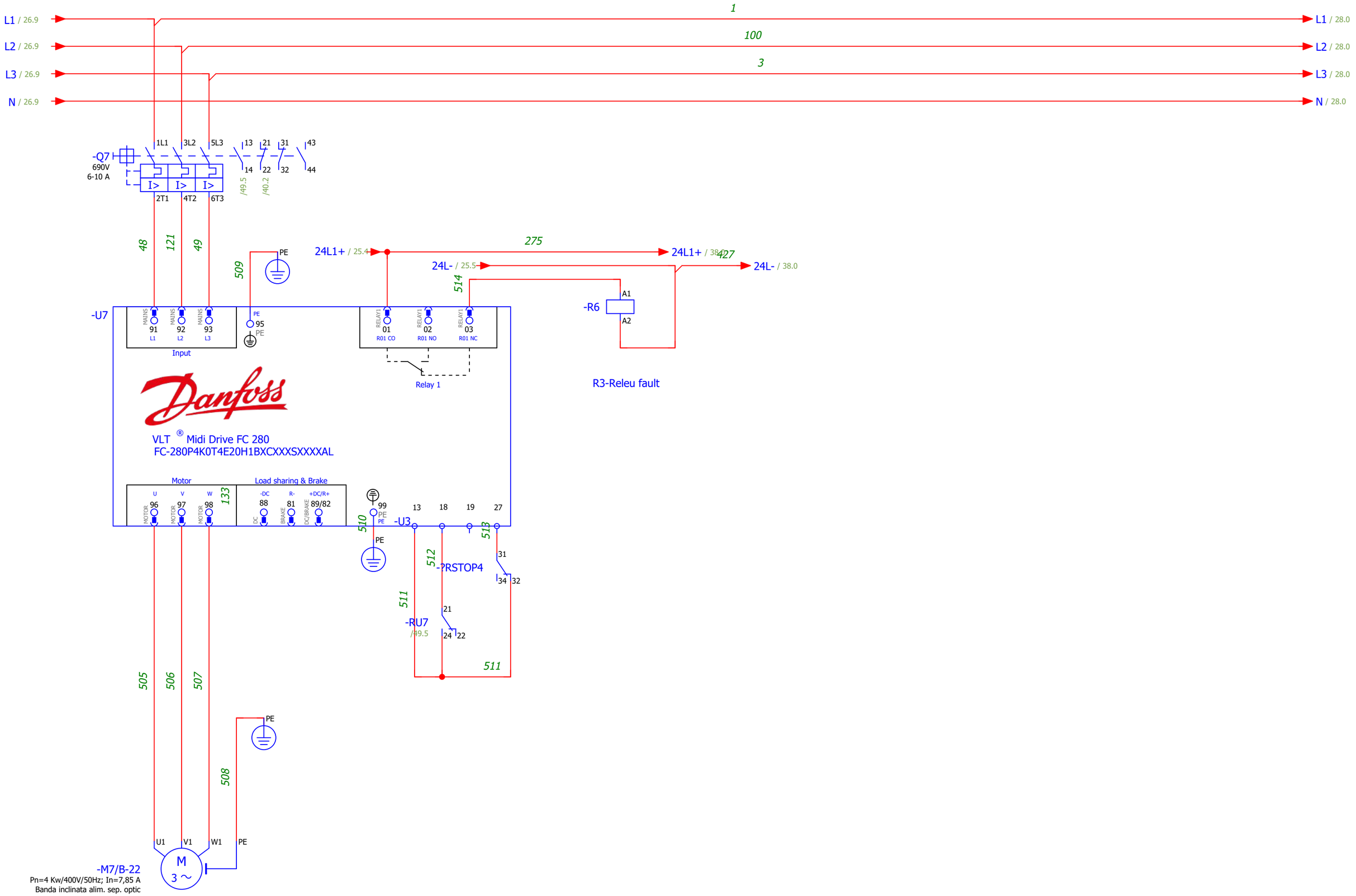
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M5/B-20 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 25 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 30 / 81 |





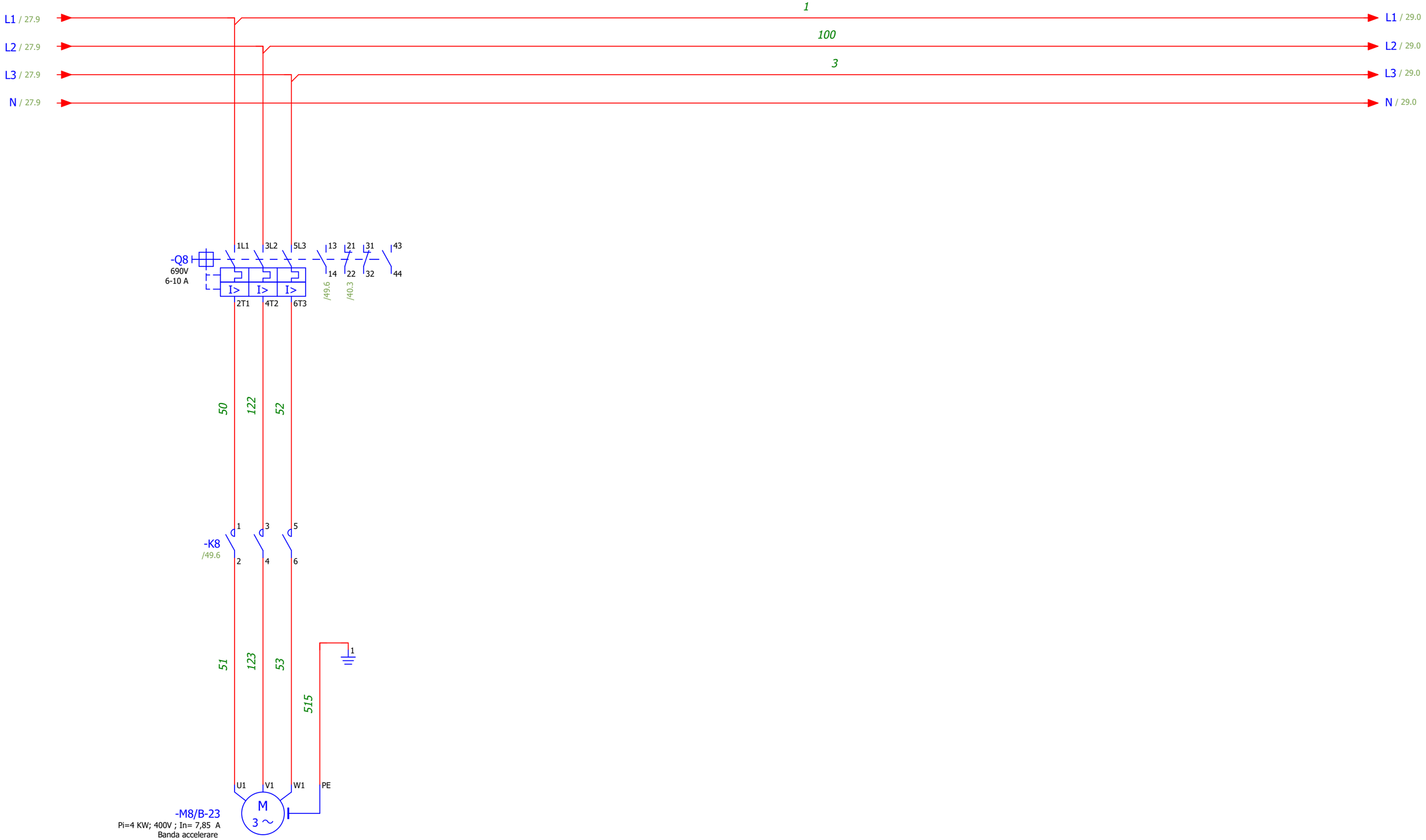

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M6/B-21 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page | 26 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page | 31 / 81 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|



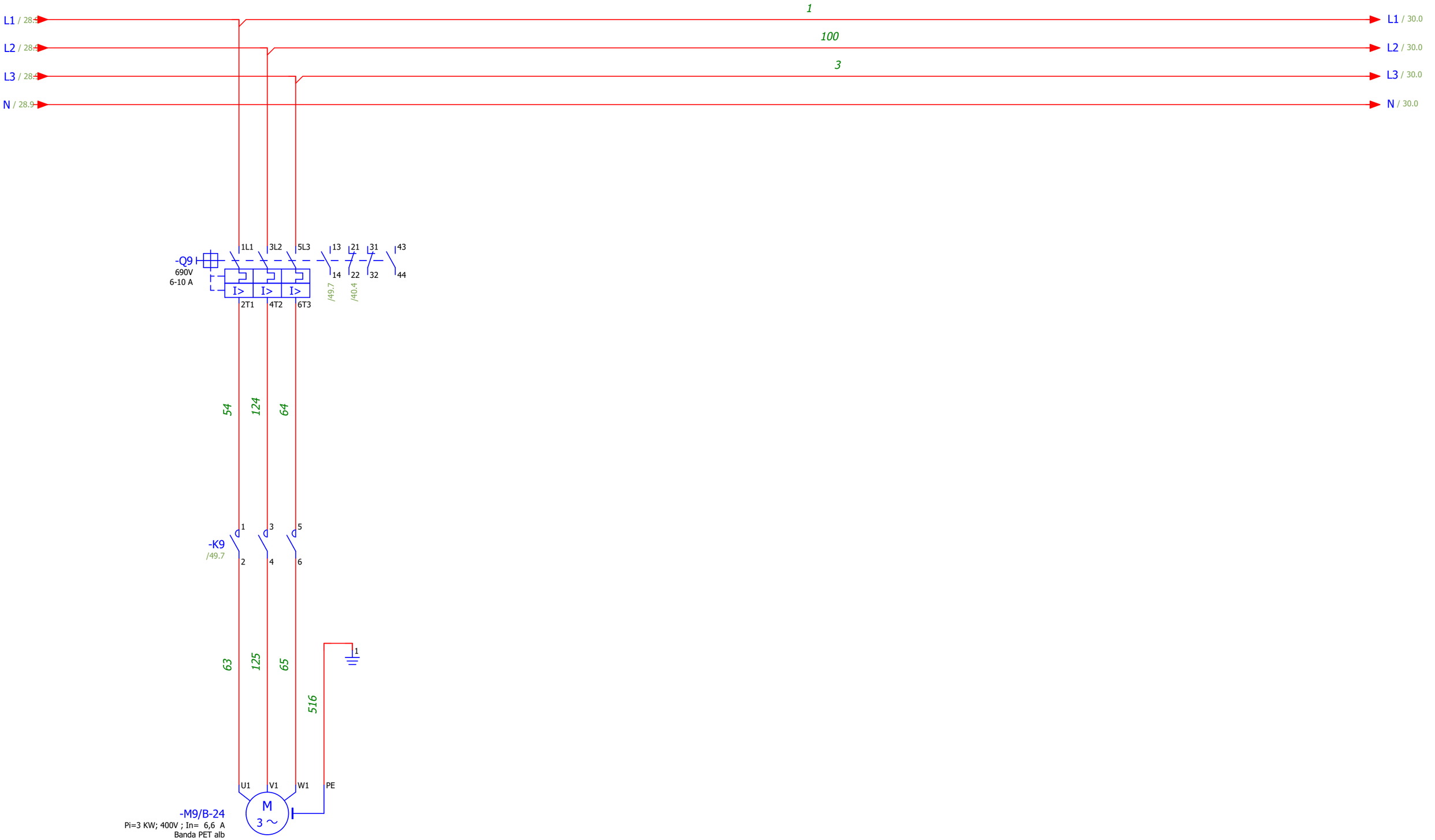



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M7/B-22 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 27 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 32 / 81 |



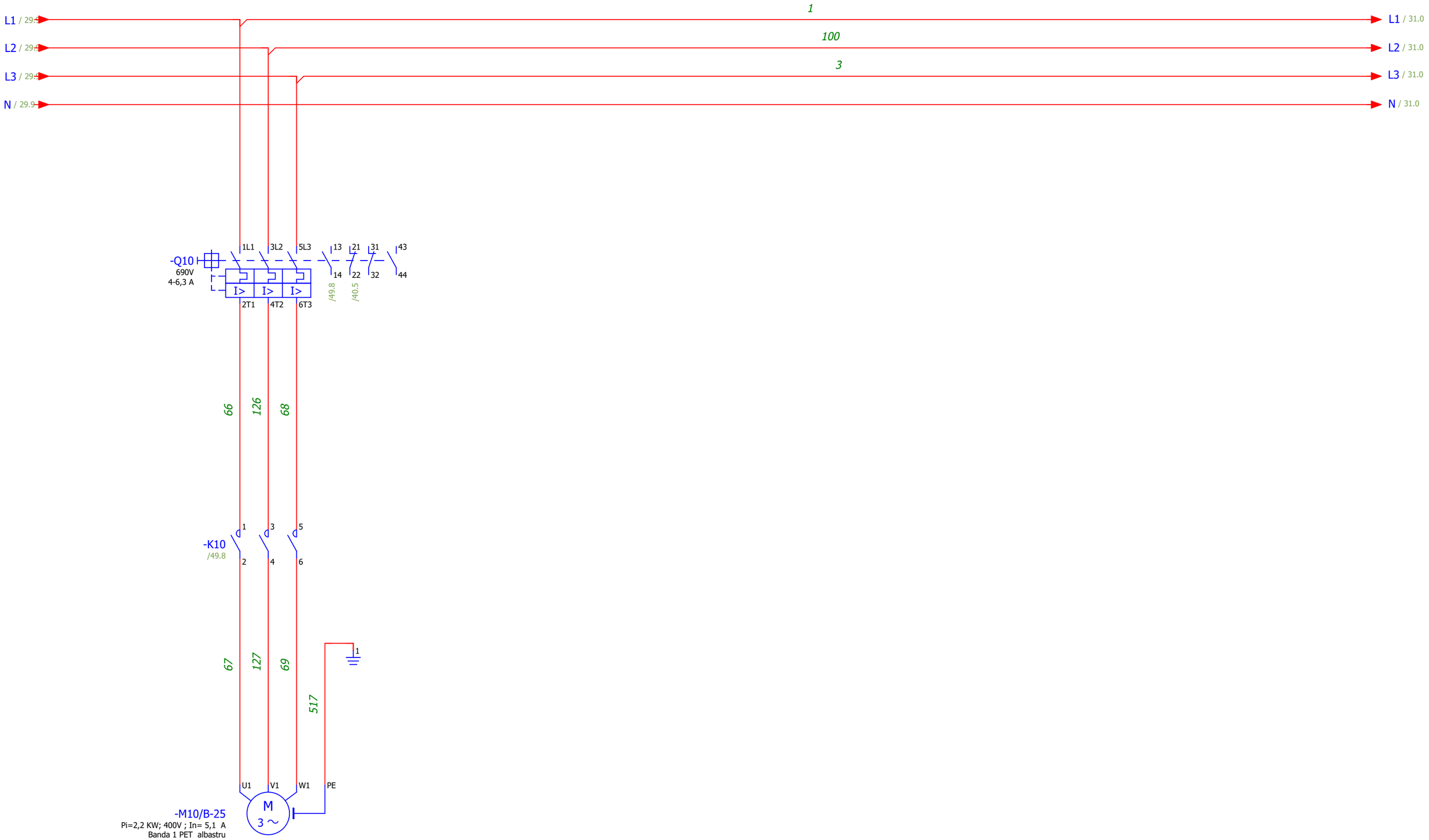



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M8/B-23 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | | IEC_bas001 | Page 28 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 33 / 81 |



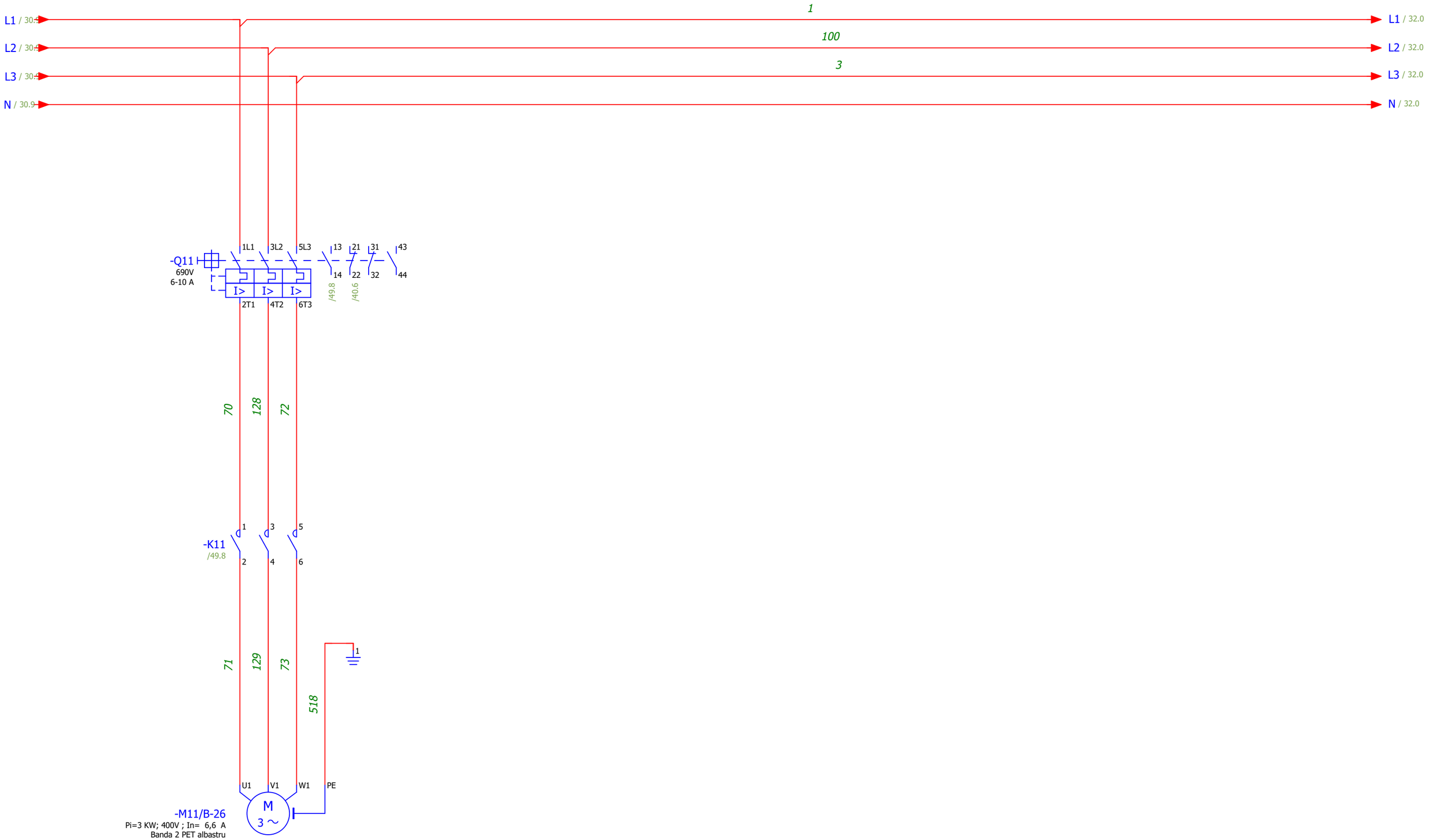

28 30

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M9/B-24 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | | IEC_bas001 | Page 29 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 34 / 81 |



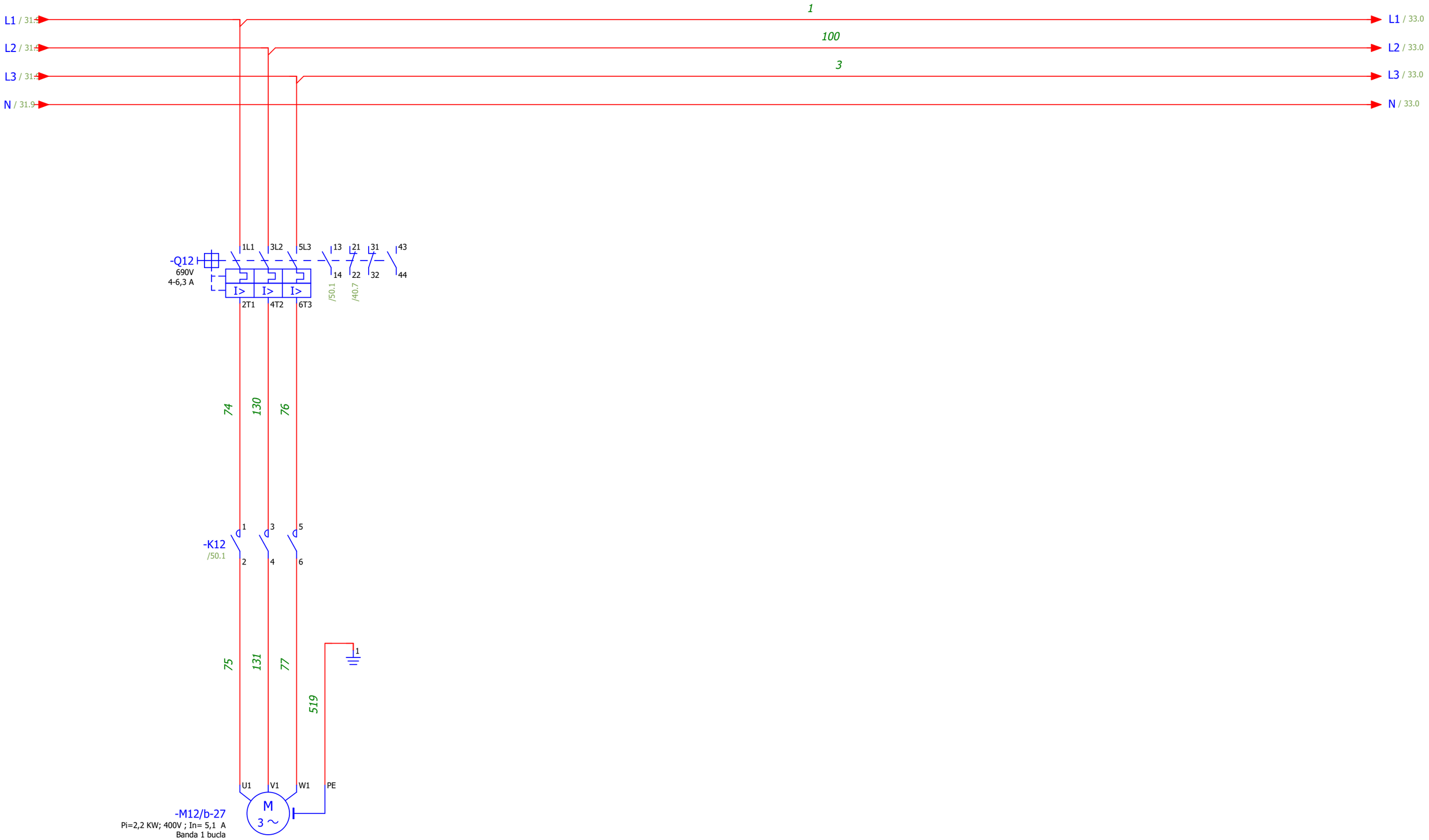



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | | SC TEHNIMARKET SRL | M10/B-25 | | = CA1 |
| | | | Ed | Nelu | | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | | C1/C3 | | IEC_bas001 | Page 30 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 35 / 81 |



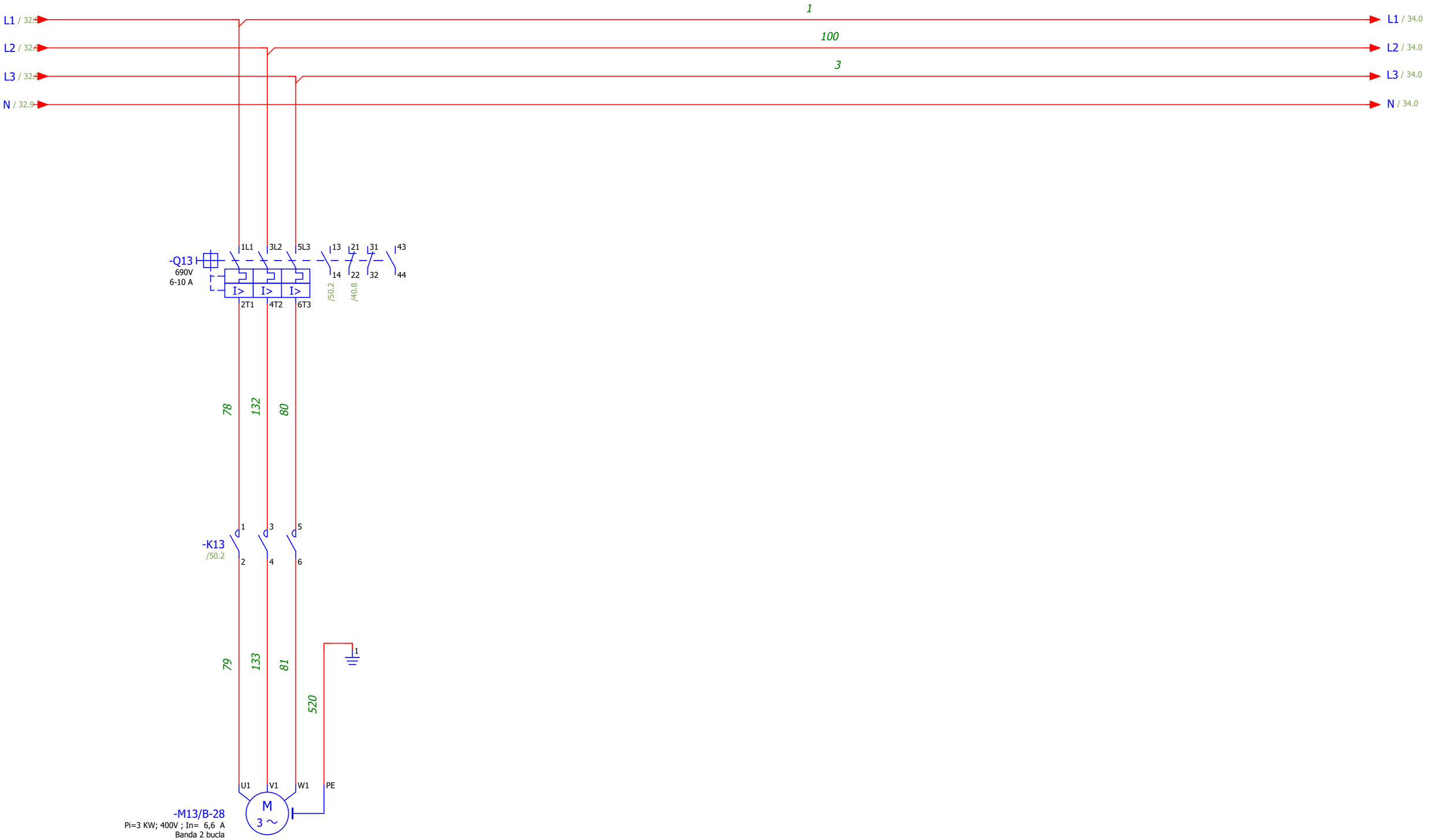



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | | SC TEHNIMARKET SRL | M11/B-26 | | = CA1 |
| | | | Ed | Nelu | | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | | C1/C3 | | IEC_bas001 | Page 31 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 36 / 81 |



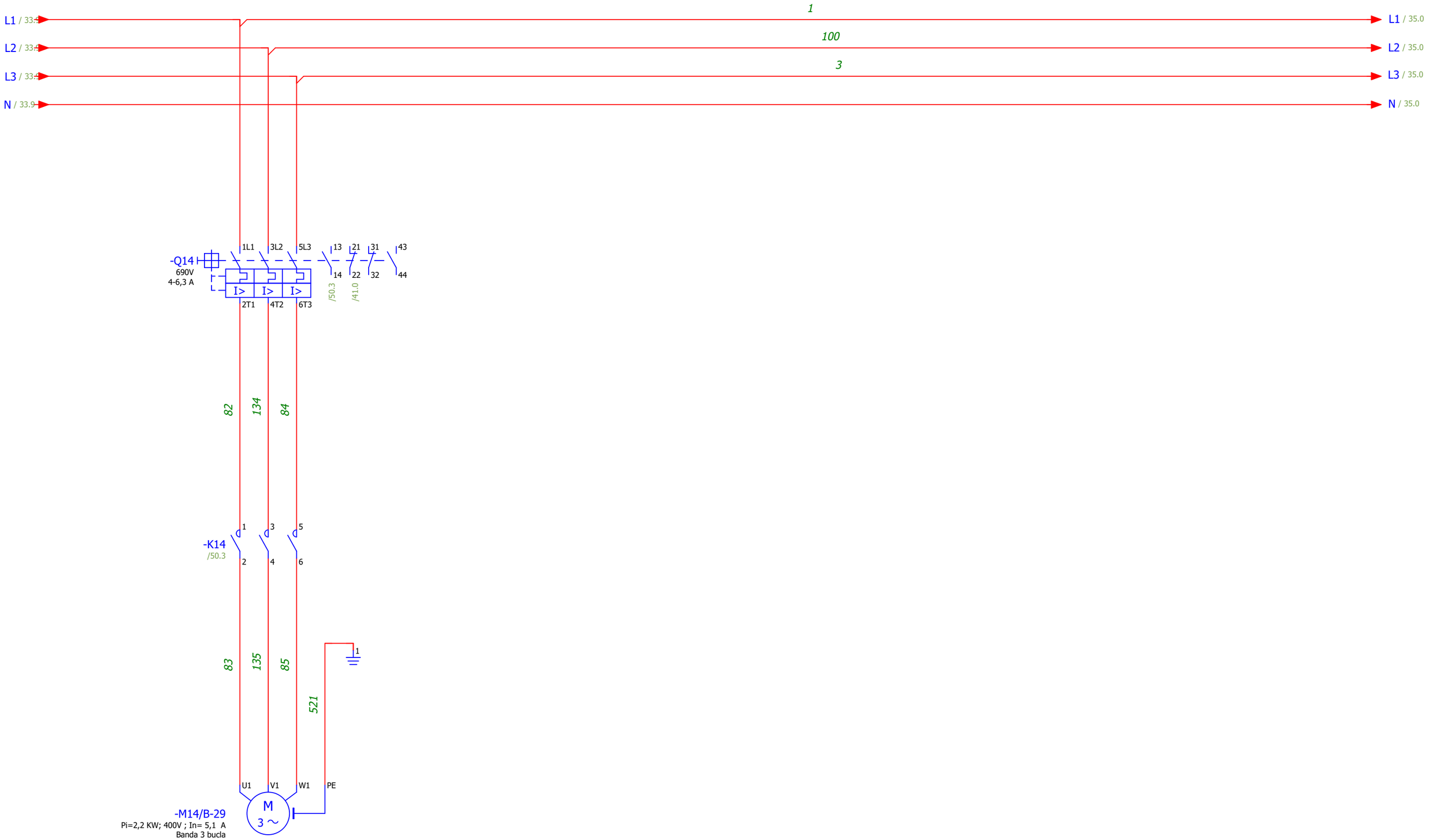



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M12/B-27 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | | IEC_bas001 | Page 32 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 37 / 81 |



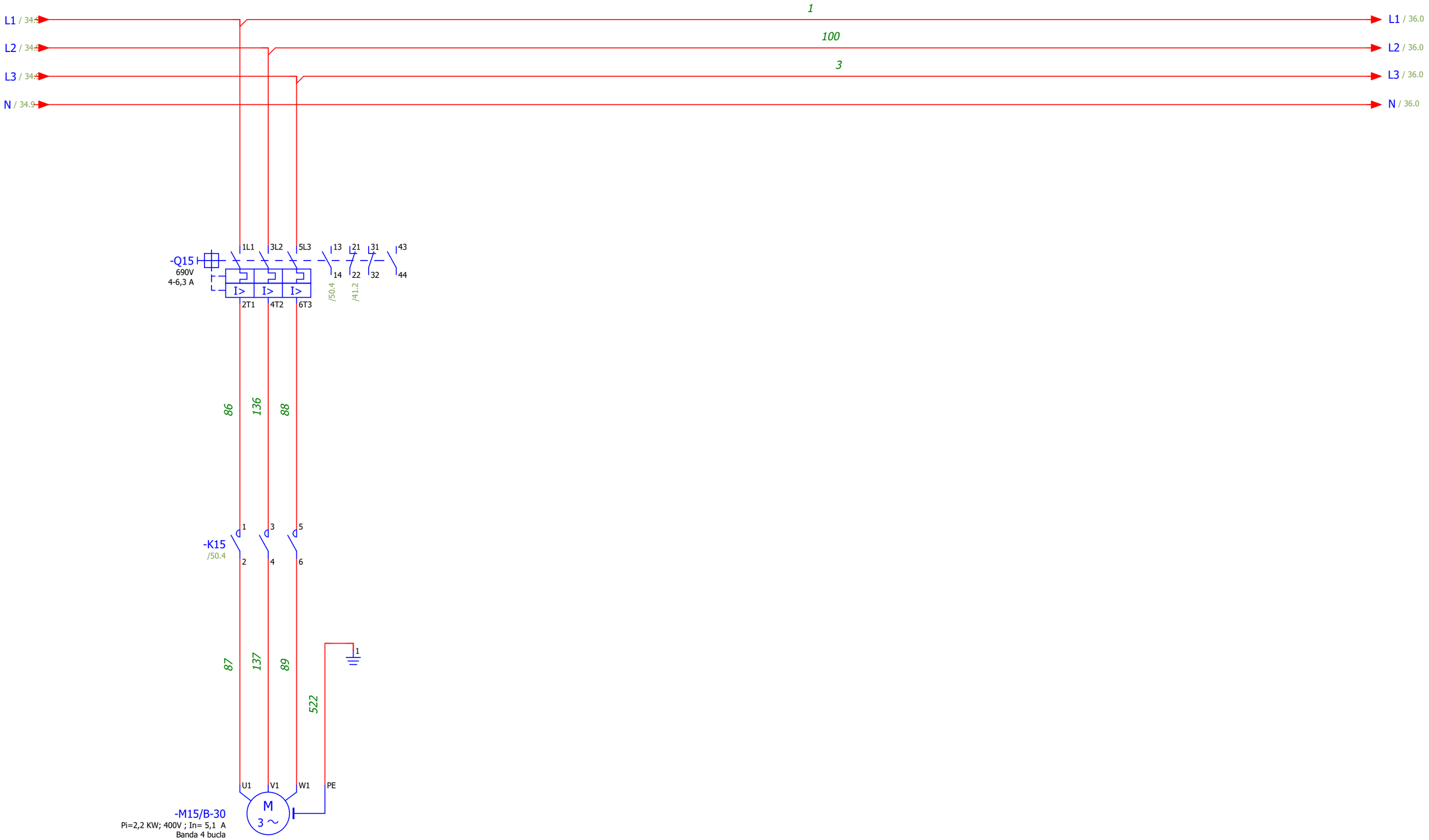

32 34

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M13/B-28 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | | IEC_bas001 | Page 33 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 38 / 81 |



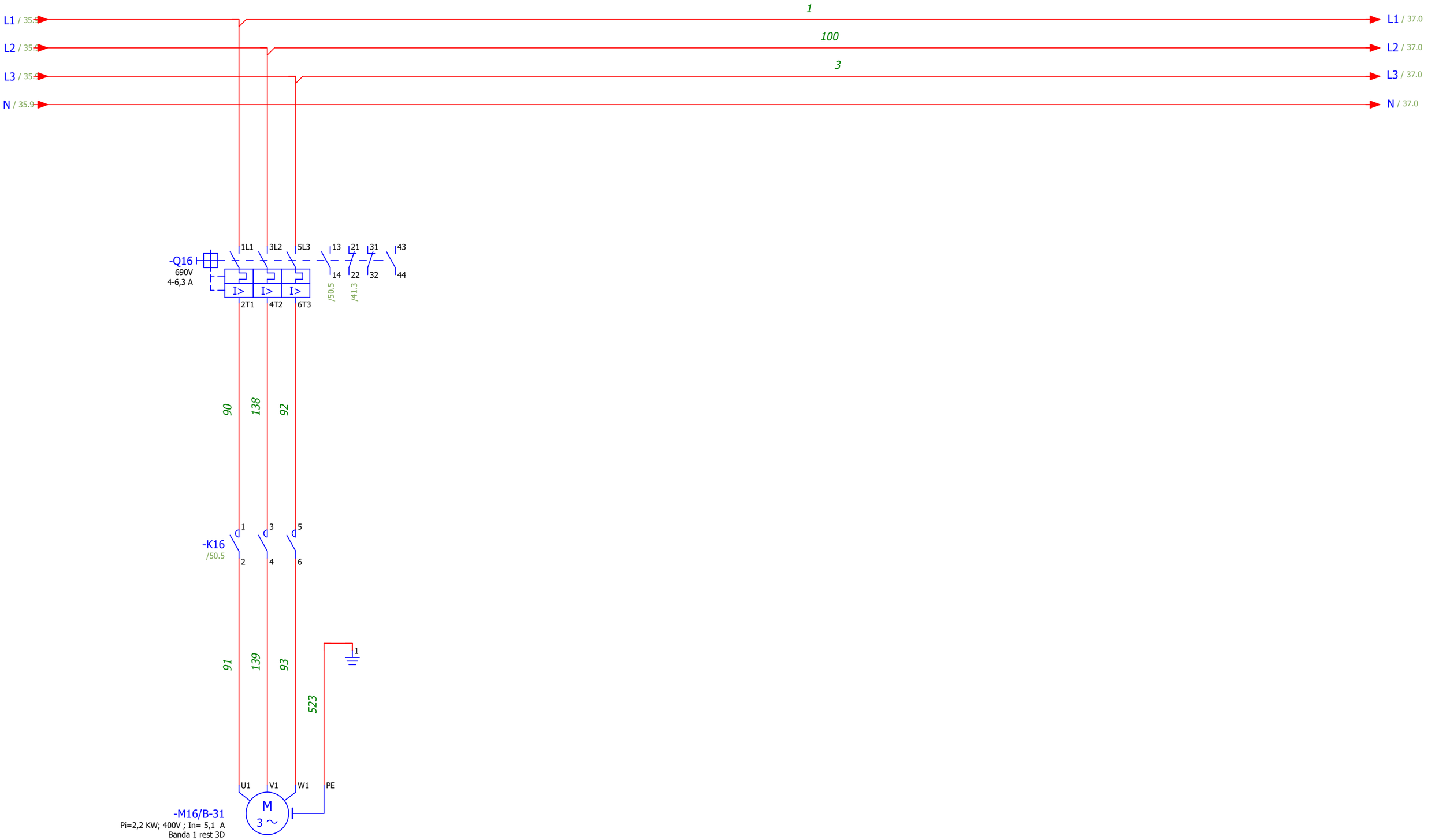



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M14/B-29 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page | 34 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page | 39 / 81 |



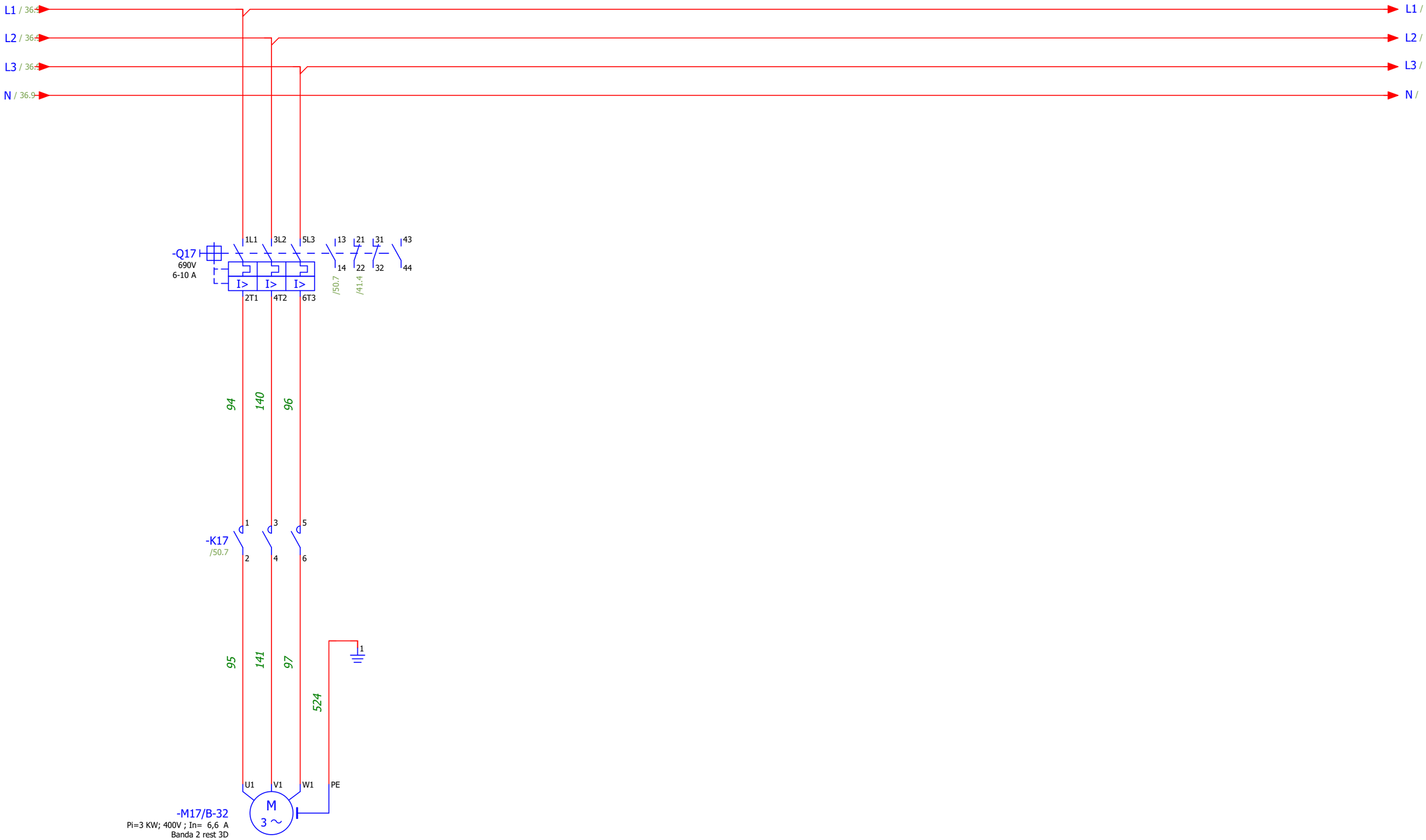



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | | SC TEHNIMARKET SRL | M15/B-30 | | = CA1 |
| | | | Ed | Nelu | | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | | C1/C3 | | IEC_bas001 | Page 35 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 40 / 81 |





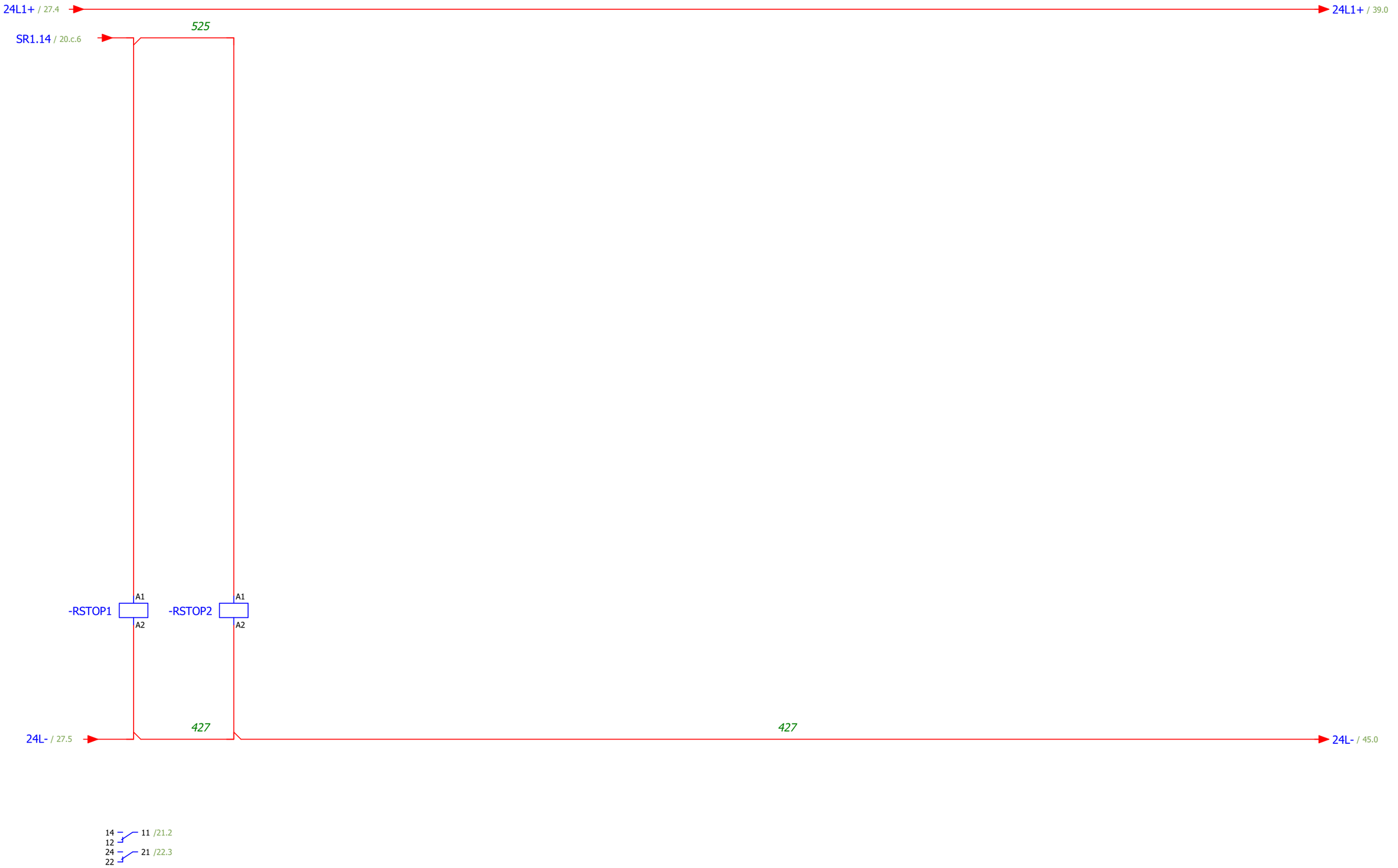

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M16/B-31 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | | IEC_bas001 | Page 36 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 41 / 81 |






| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | M17/B-32 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | | IEC_bas001 | Page 37 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 42 / 81 |

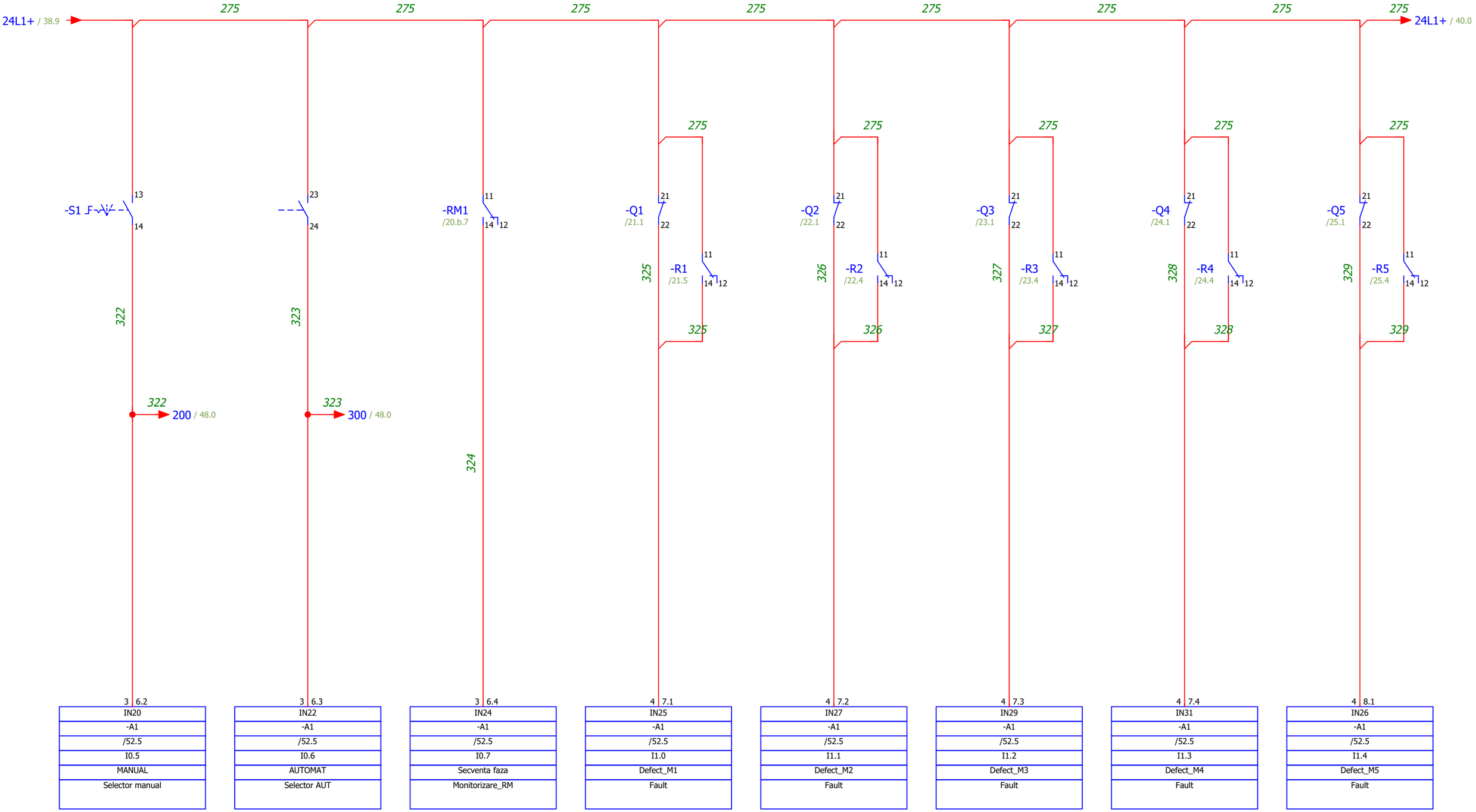
0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9




37

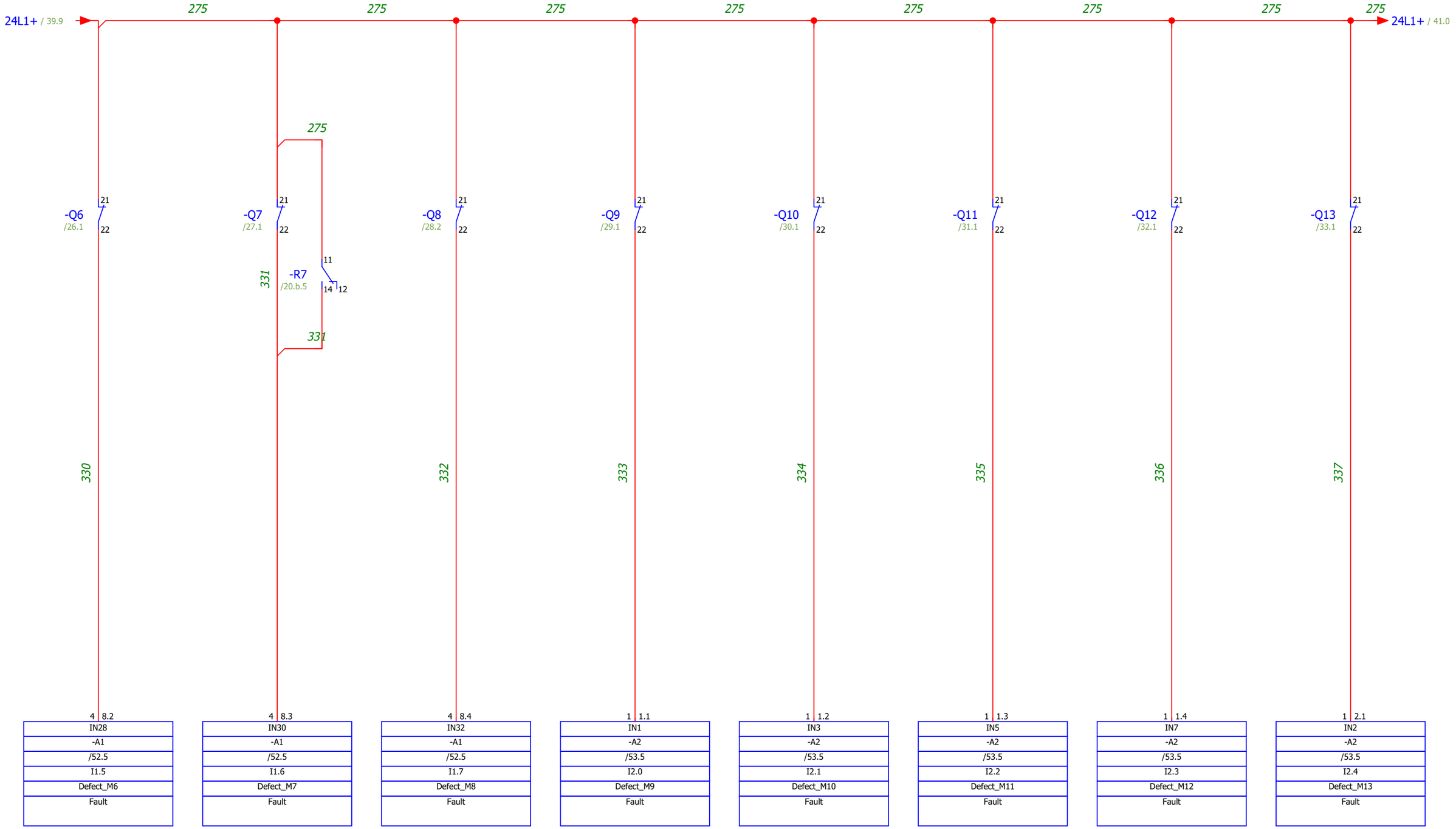
39

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Rel_STOP | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | | IEC_bas001 | Page 38 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 43 / 81 |



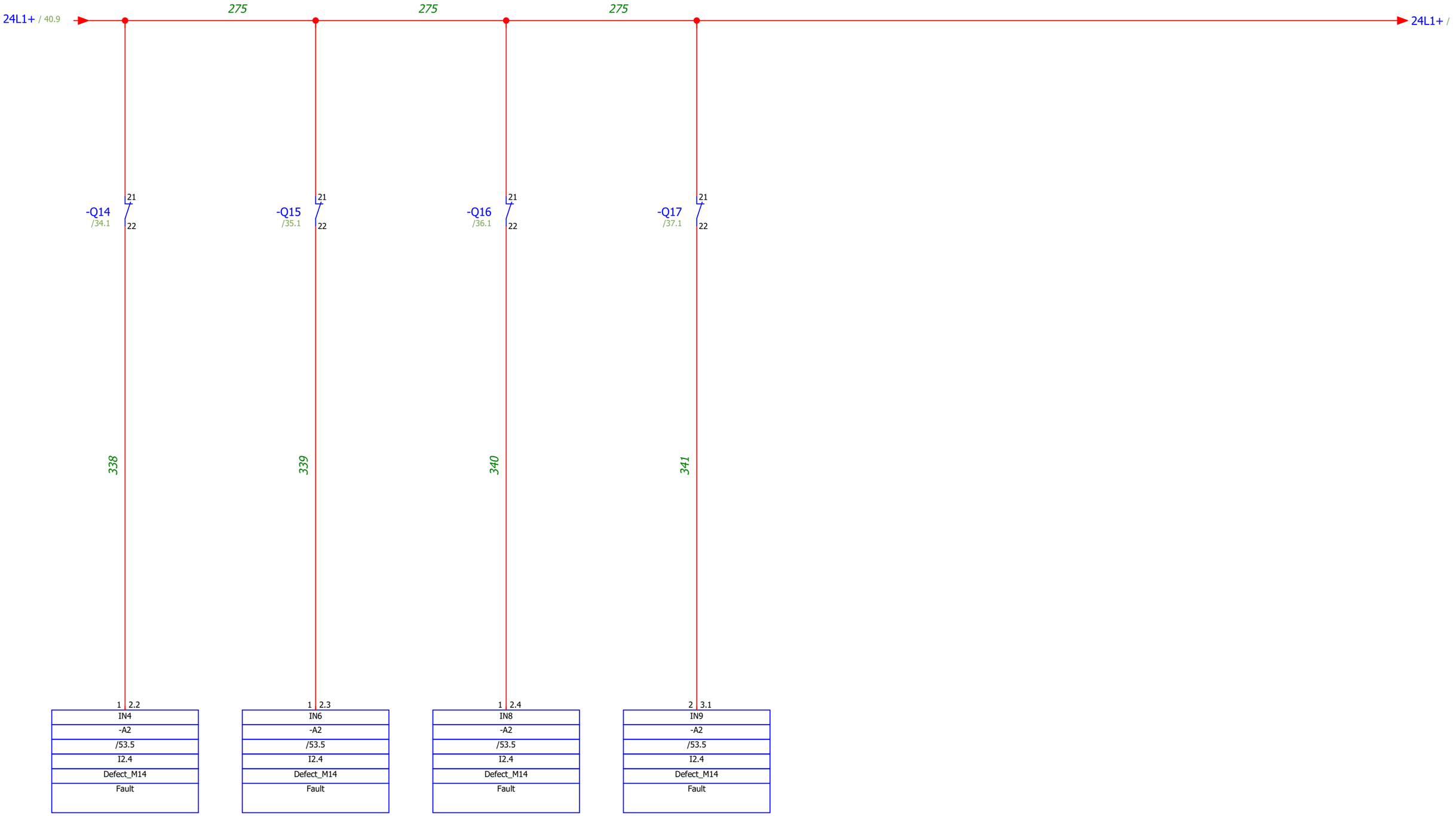



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 39 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 44 / 81 |





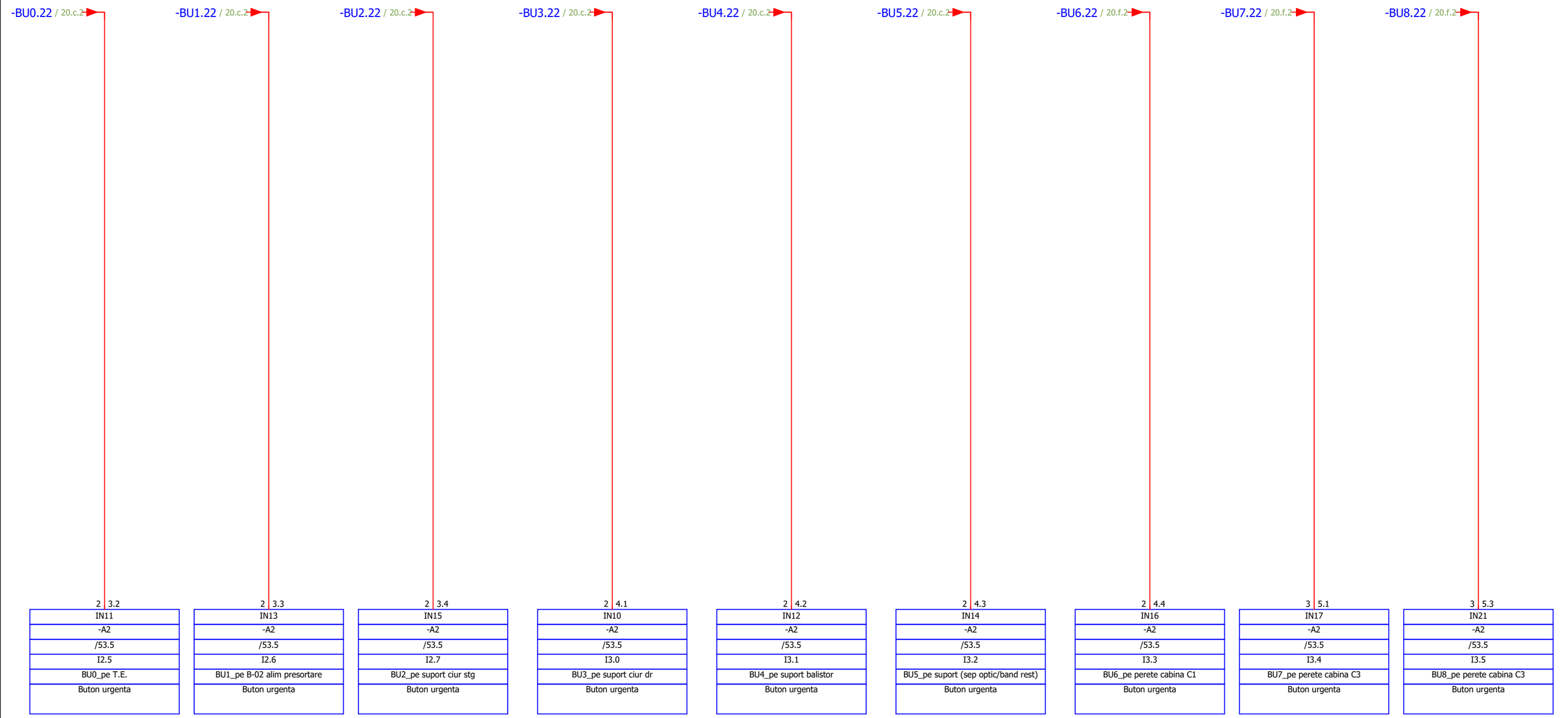

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | I/O | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 Page 40 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 45 / 81 |





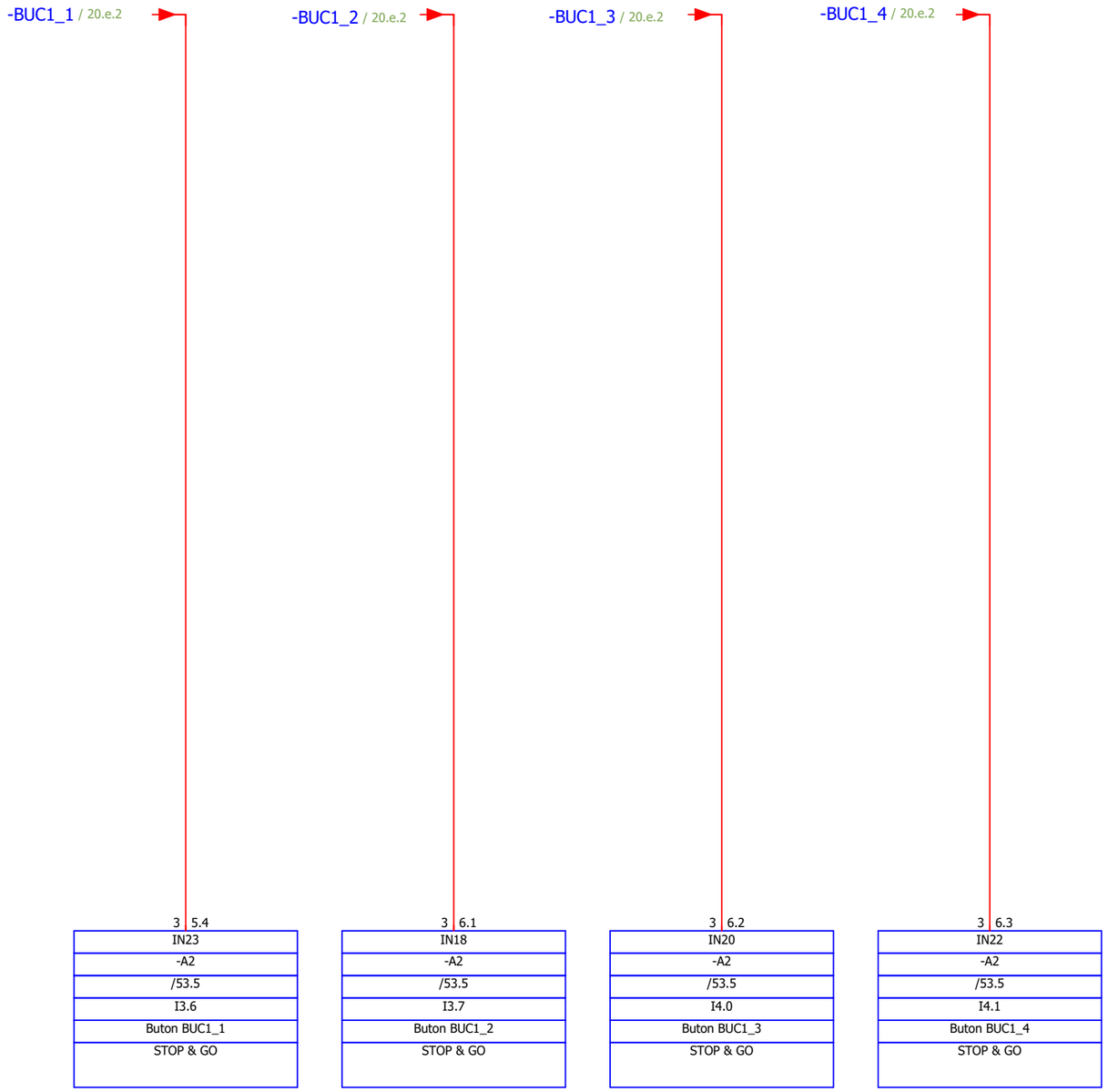

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | I/O | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 41 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 46 / 81 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|





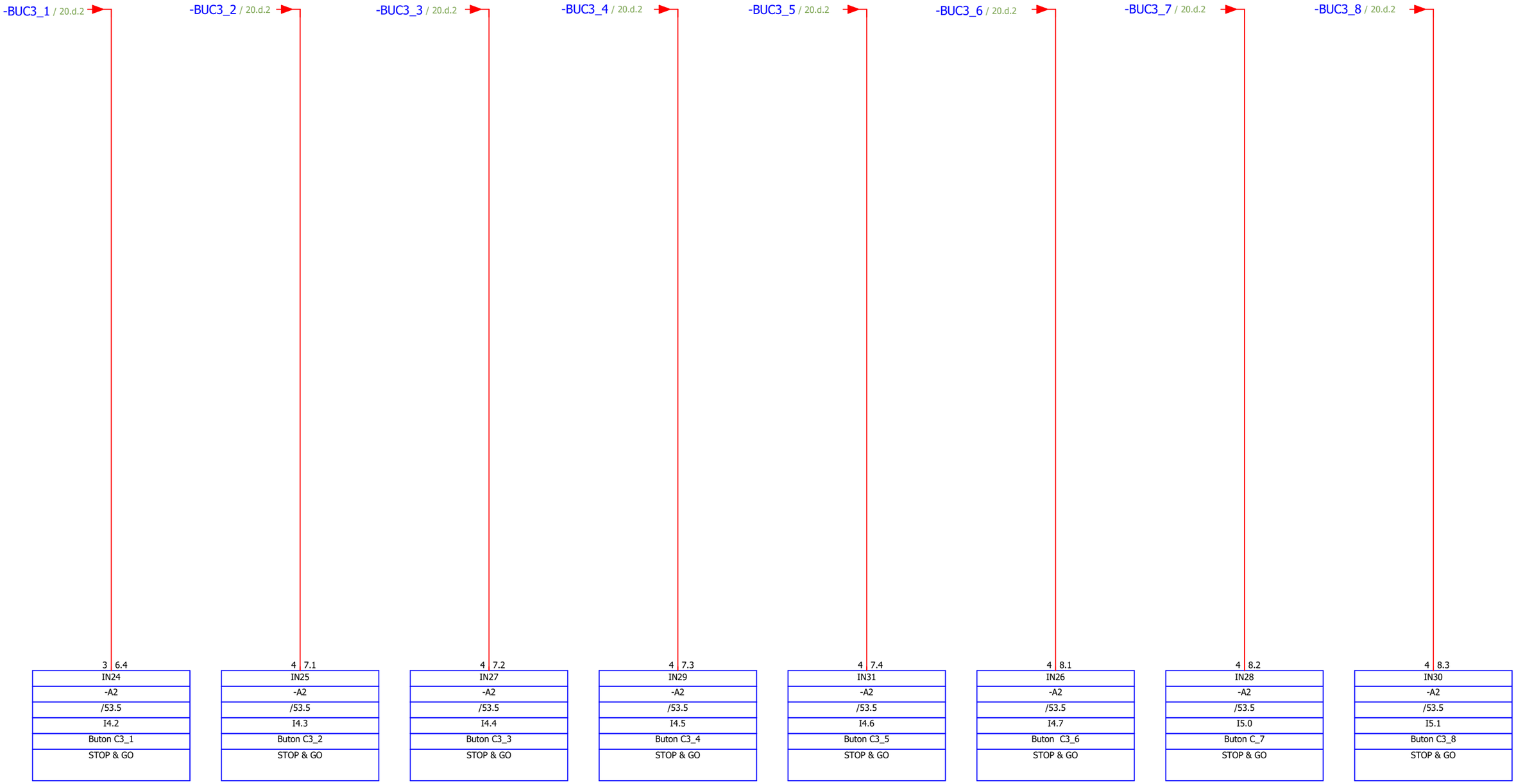

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | I/O_BU | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 42 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 47 / 81 |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | I/O_BU | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 43 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 48 / 81 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|

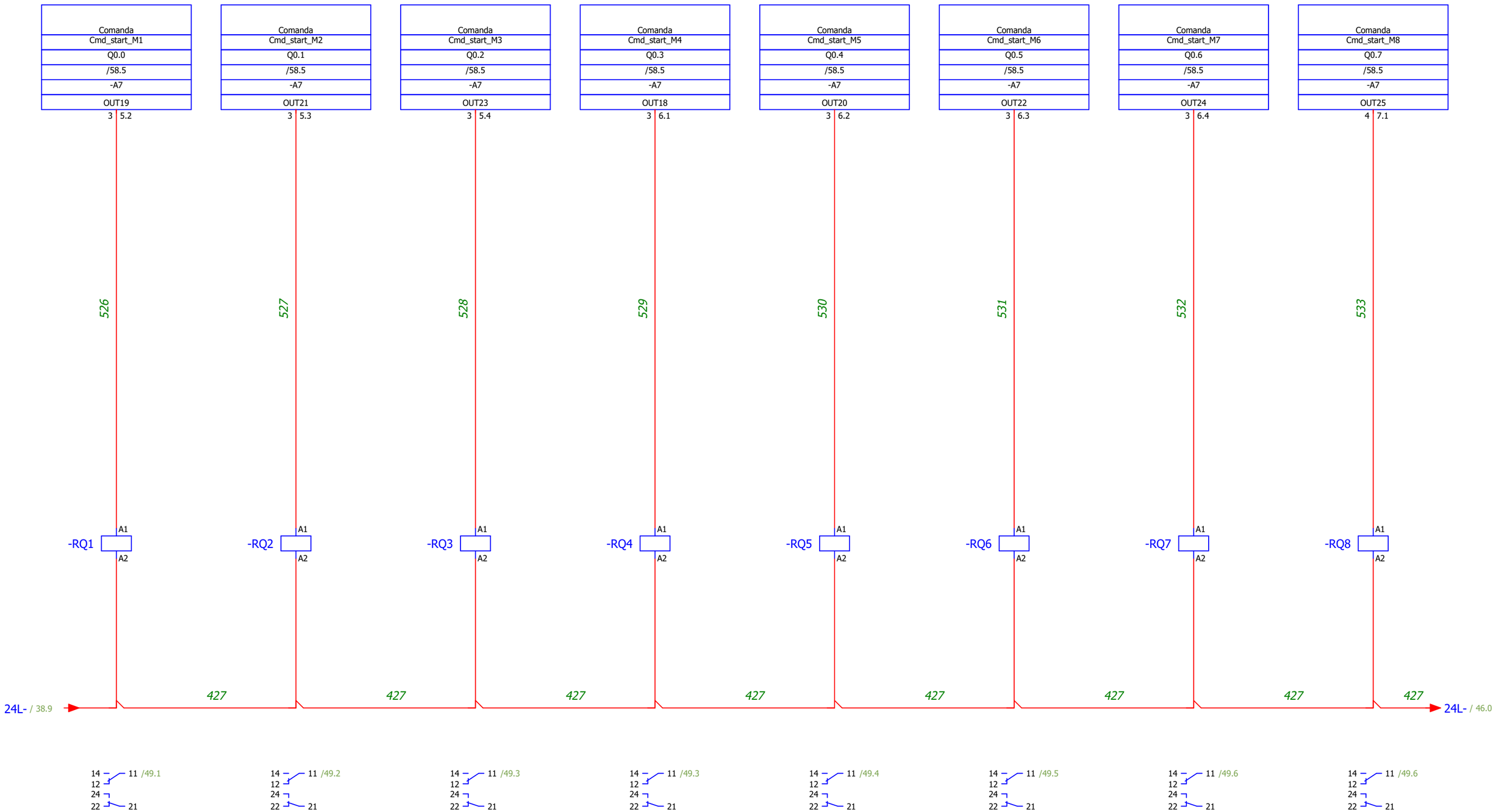



43

45

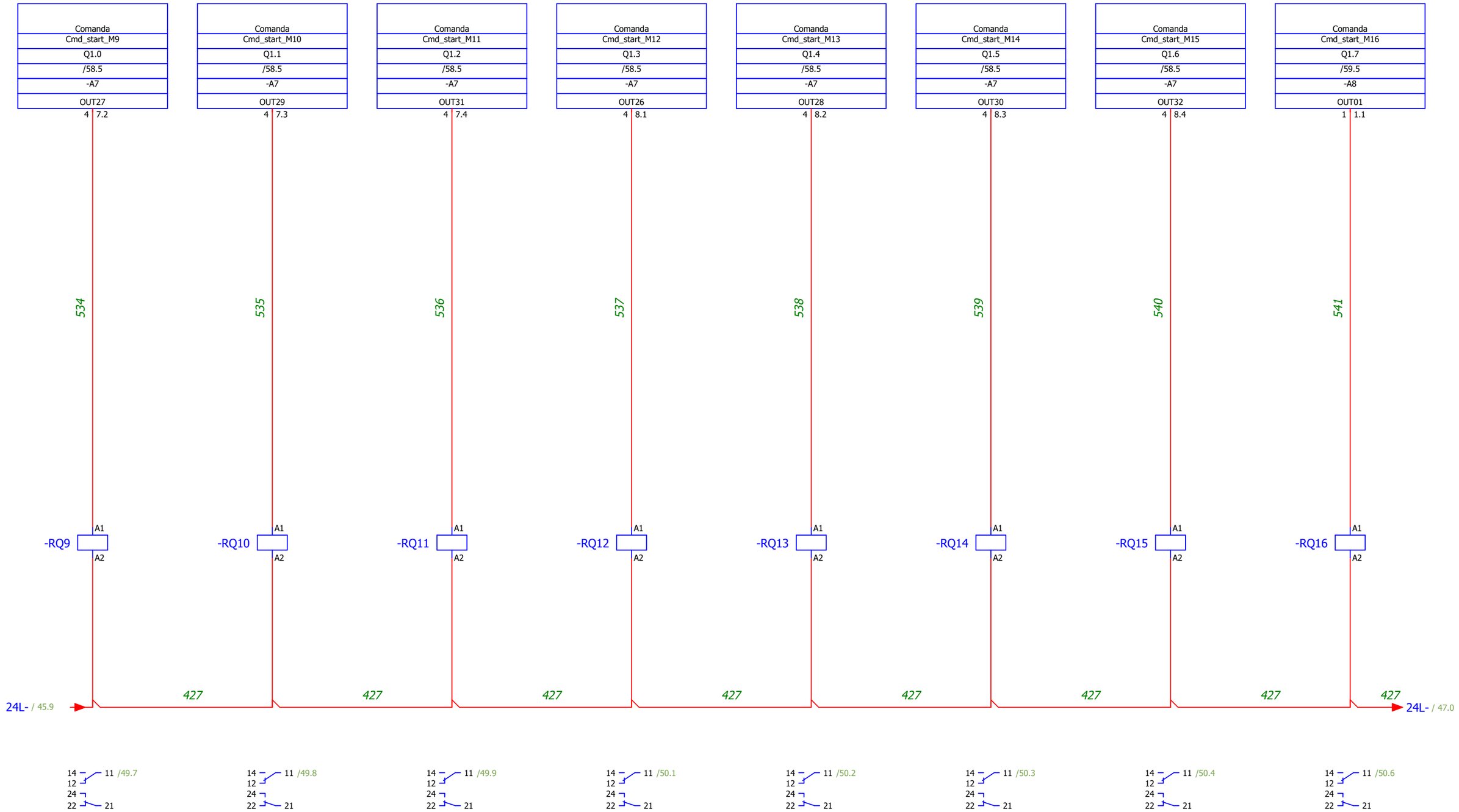
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | I/O_BU | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 44 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 49 / 81 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|



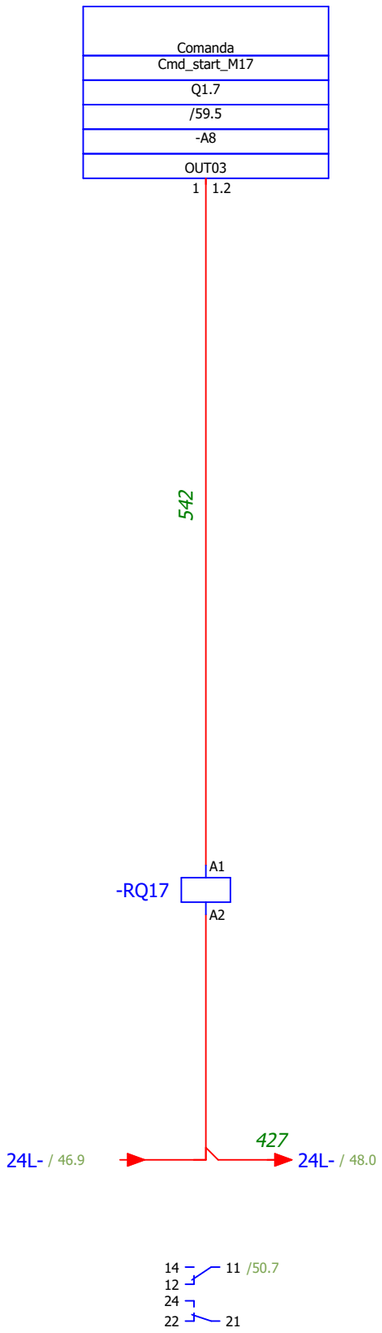



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 45 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 50 / 81 |



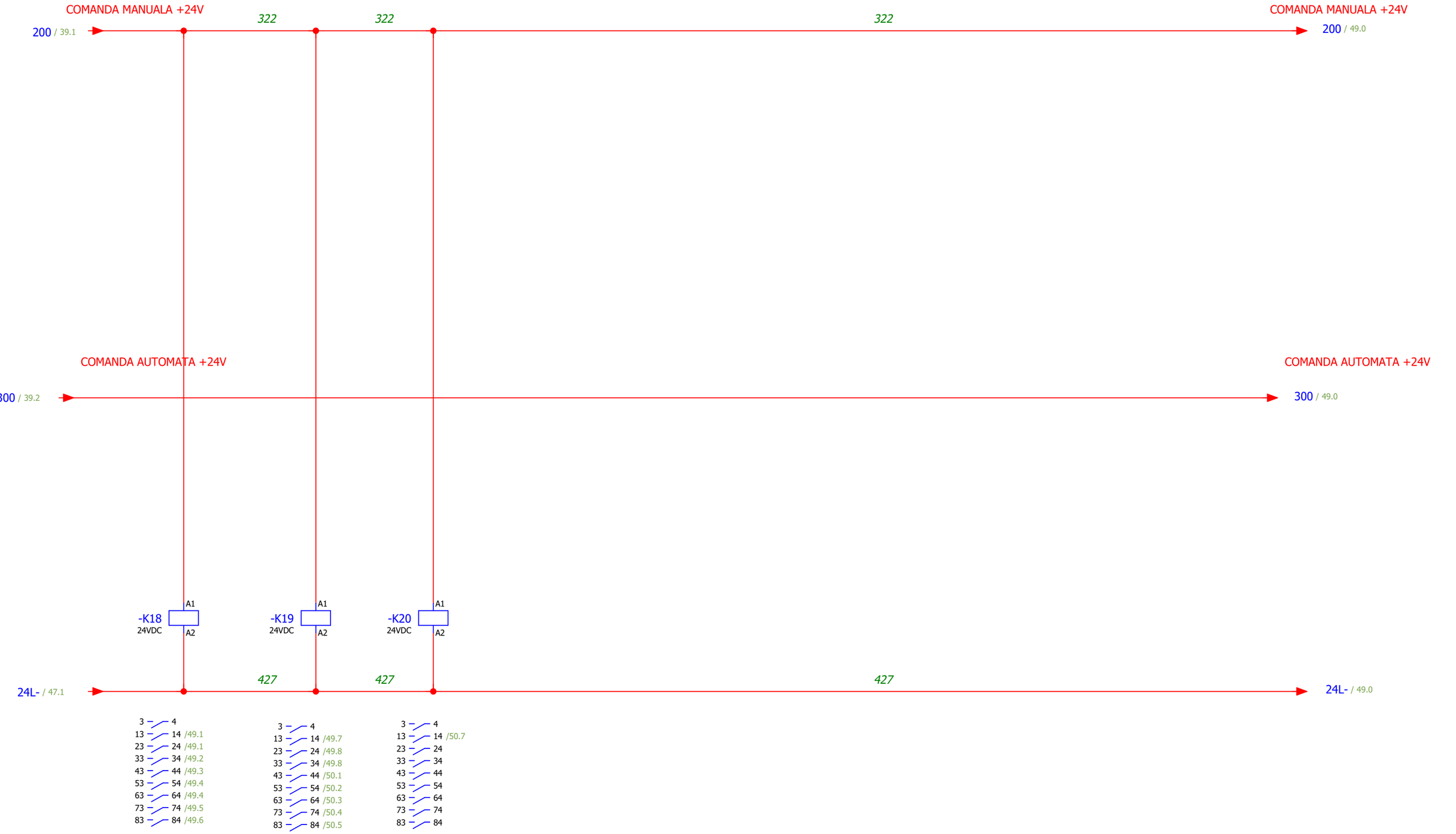



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 46 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 51 / 81 |



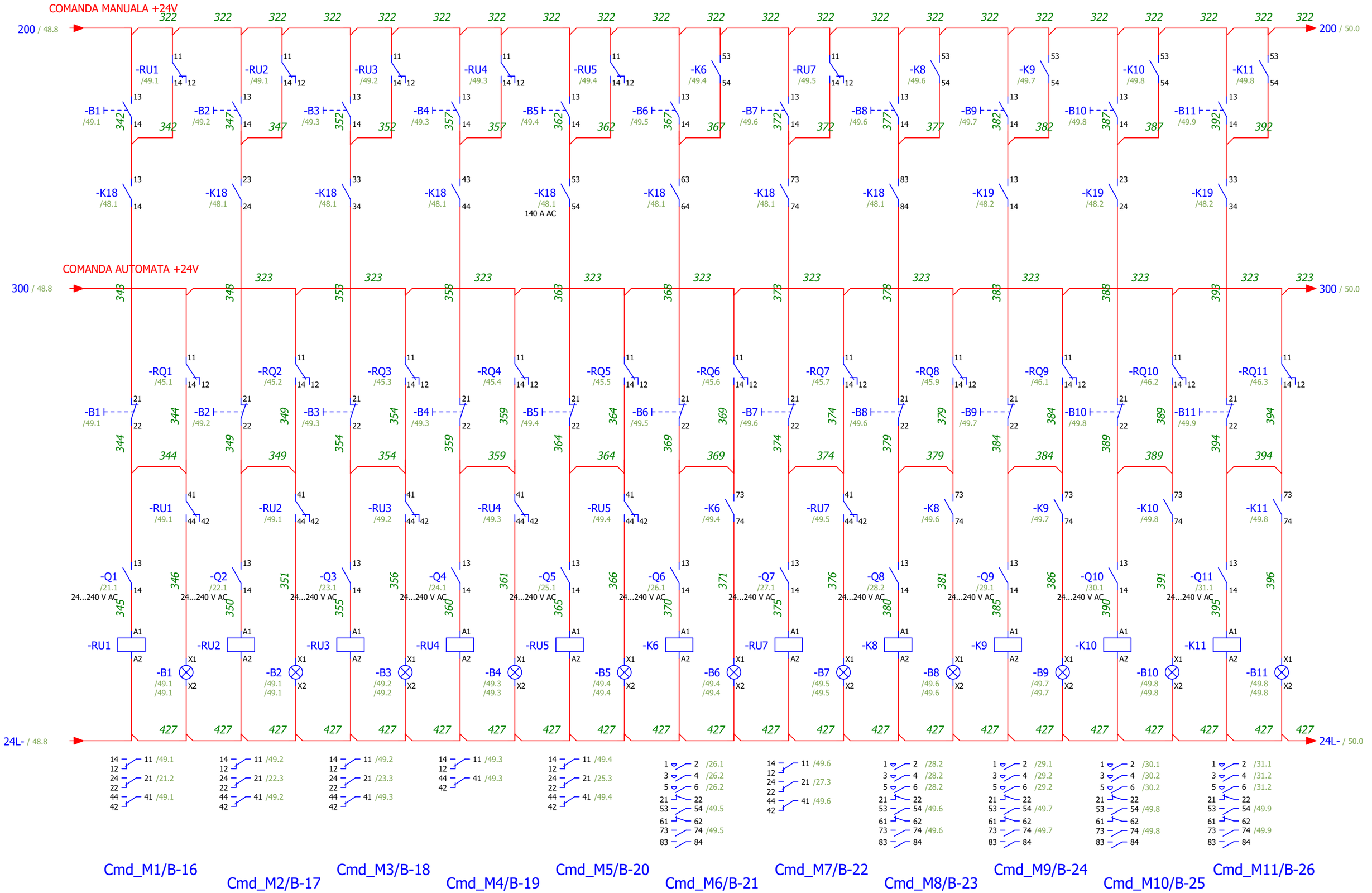



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | | SC TEHNIMARKET SRL | I/O | | = CA1 |
| | | | Ed | Nelu | | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | | C1/C3 | | IEC_bas001 | Page 47 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 52 / 81 |



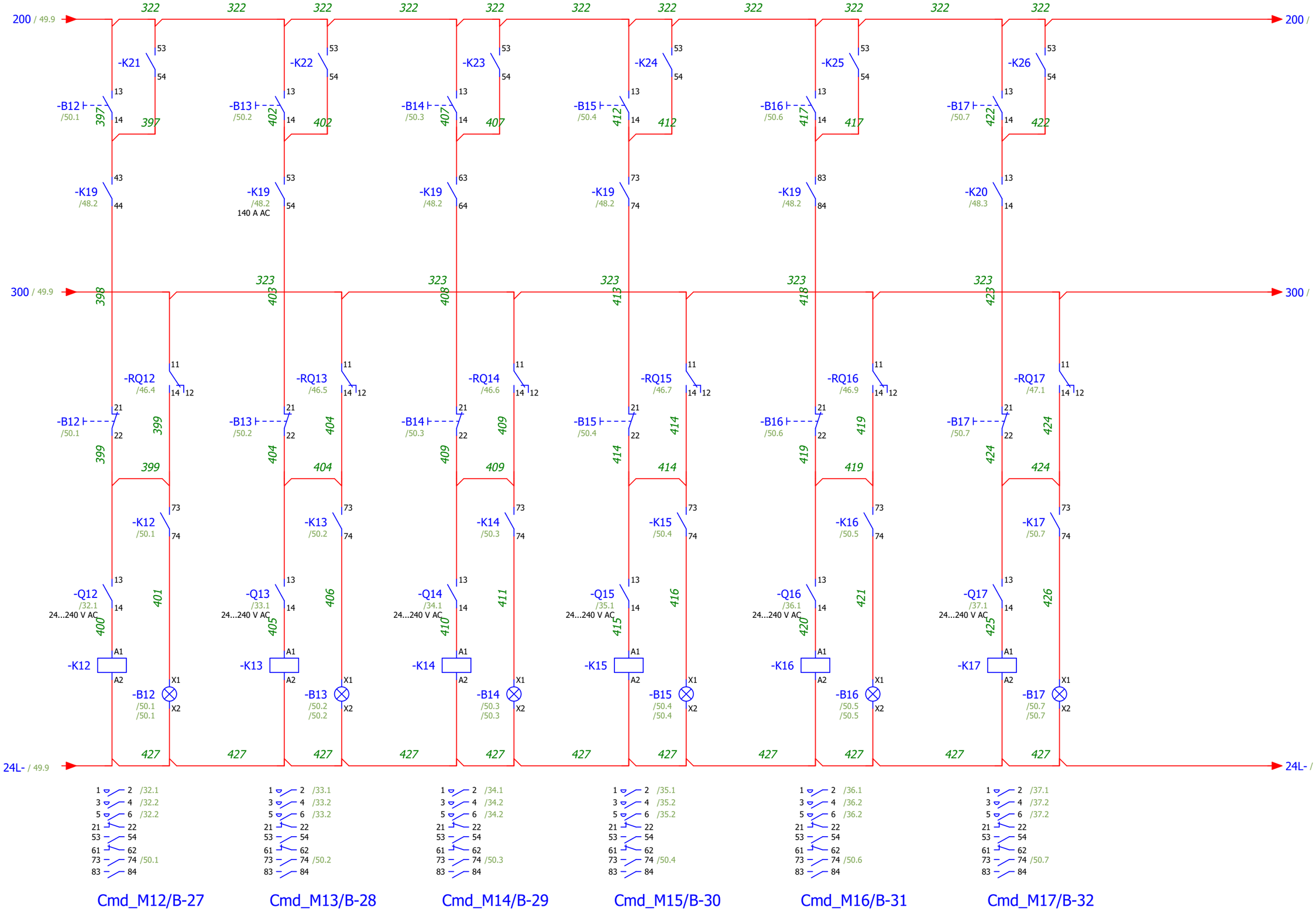



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | C_da_MAN_AUT | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 48 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 53 / 81 |




48 50

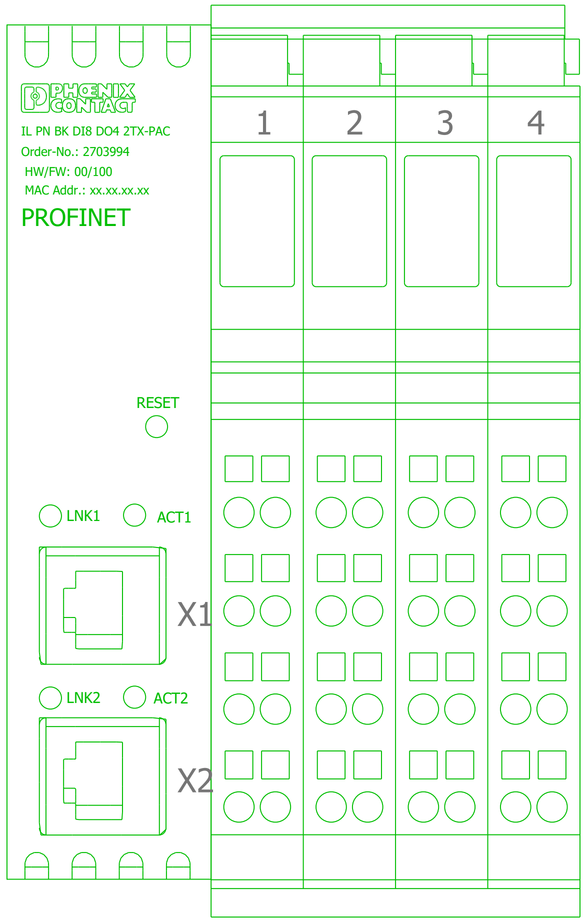
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | C_da_MAN_AUT | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 49 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 54 / 81 |



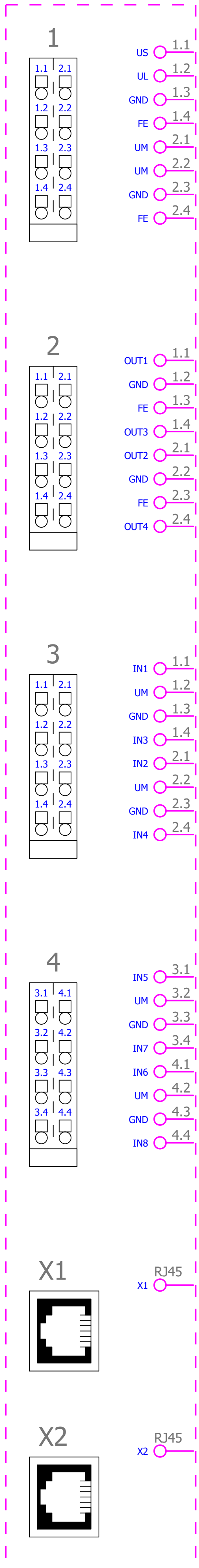



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | C_da_MAN_AUT | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 50 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 55 / 81 |

# -A0




IL PN BK DI8 DO4 2TX-PAC




| Address: | Function text: | Symbolic Address: | Crossreference: |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

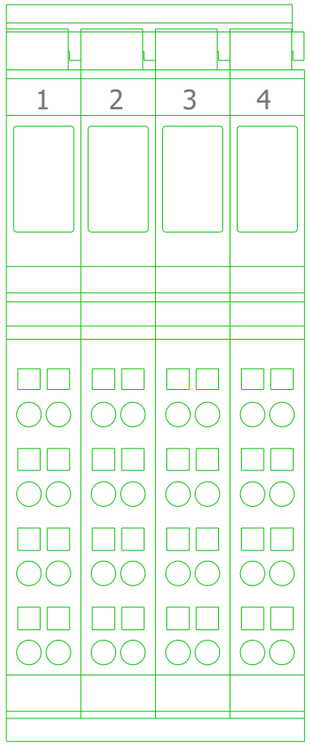
| | | | |
|---|---|---|---|
| | RESET SECURITY | | /10.1 |
| | | | |
| | | | |
| | RESET FACTORY SECURITY | | /10.2 |
| | SAFETY RELAY | | /10.3 |
| | | | |
| | | | |
| | ELECTRONC FUSE 24Vdc | | /10.4 |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|---|---|---|
| | OVERVOLTAGES | | /10.5 |
| | | | |
| | | | |
| | HANDLING | | /10.6 |
| | CONDENSER SUPPLY FANS | | /10.7 |
| | | | |
| | | | |
| | THERMAL RELAYS | | /10.9 |
| | | | |
| | | | |
| | | | |
| | | | |

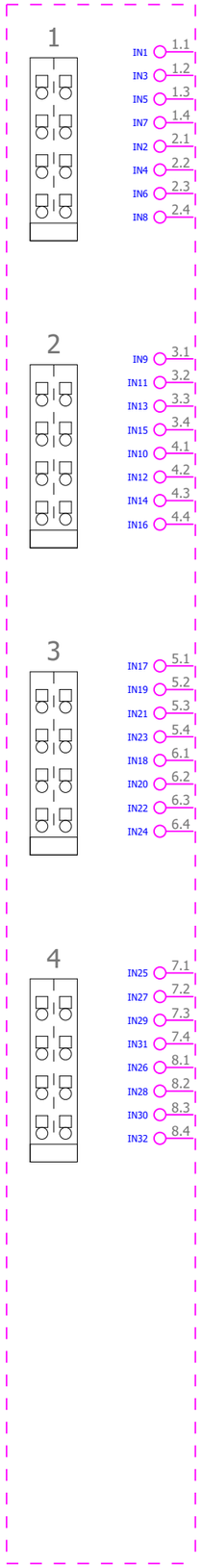
| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

PHOENIX CONTACT

# -A1




## IB IL 24 DI 32/HD-PAC




| | | | |
|---|---|---|---|
| | | | |
| | ROTARY MOTOR | CONDENSER CIRCUIT BREAKER | /11.0 |
| | VACUUM FAN | CIRCUIT BREAKER | /11.2 |
| | SOLENOID VALVES | | /11.3 |
| | COMPRESOR | LIMPIEZA FILTRO | /11.4 |
| | SUPPLY FAN | CONFIRMATION | /11.5 |
| | CONDENSER ROTARY | MOTOR CONFIRMATION | /11.6 |
| | CONDENSER ROTARY | MOTOR CONFIRMATION | /11.7 |
| | VACUUM FAN | OPERATION CONFIRMATION | /11.8 |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|---|---|---|
| | ALARM | RELAY 1 | /12.1 |
| | ALARM | RELAY 2 | /12.2 |
| | EXTERNAL SEMNAL | REMOTE START | /12.3 |
| | CABINET | EMERGENCY STOP | /12.4 |
| | REMOTE | LOCAL | /12.5 |
| | START CONDENSER | ROTARY MOTOR | /12.6 |
| | STOP OF THE MOTOR | CONDENSER ROTARY | /12.7 |
| | SAFETY SWITCH | RECORDING 1 CONDENSER | /12.9 |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|---|---|---|
| | SAFETY SWITCH | RECORDING 2 CONDENSER | /13.0 |
| | SAFETY SWITCH | RECORDING 3 CONDENSER | /13.2 |
| | Confirmare | Safety relay OK | /20.c.8 |
| | Initializare temporizare stop banda | Safety relay cabina C3_8 posturi | /20.d.8 |
| | Initializare temporizare stop banda | Safety relay cabina C1_4 posturi | /20.e.8 |
| | Selector manual | MANUAL | /39.0 |
| | Selector AUT | AUTOMAT | /39.2 |
| | Monitorizare_RM | Secventa faza | /39.3 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|---|---|---|
| | Fault | Defect_M1 | /39.4 |
| | Fault | Defect_M2 | /39.5 |
| | Fault | Defect_M3 | /39.6 |
| | Fault | Defect_M4 | /39.7 |
| | Fault | Defect_M5 | /39.8 |
| | Fault | Defect_M6 | /40.0 |
| | Fault | Defect_M7 | /40.2 |
| | Fault | Defect_M8 | /40.3 |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

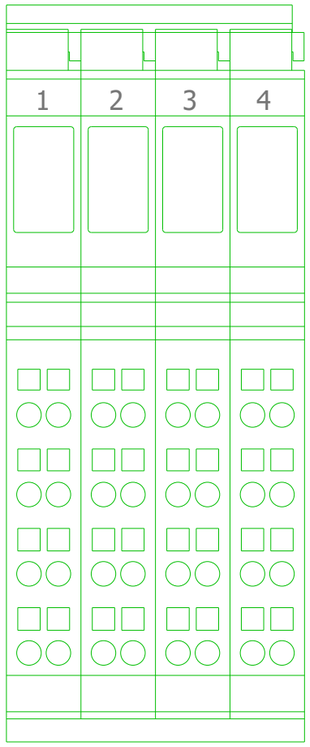
51

53

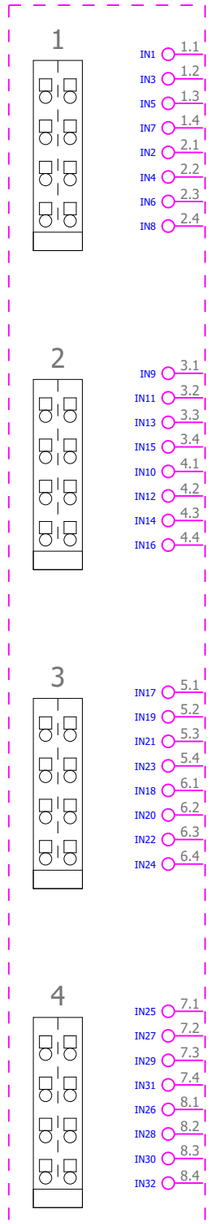
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | PLC_A1 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 Page 52 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 57 / 81 |

PHOENIX CONTACT

# -A2




## IB IL 24 DI 32/HD-PAC




| | | | |
|---|---|---|---|
| | | | |
| | Fault | Defect_M9 | /40.4 |
| | Fault | Defect_M10 | /40.5 |
| | Fault | Defect_M11 | /40.6 |
| | Fault | Defect_M12 | /40.7 |
| | Fault | Defect_M13 | /40.8 |
| | Fault | Defect_M14 | /41.0 |
| | Fault | Defect_M14 | /41.2 |
| | Fault | Defect_M14 | /41.3 |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|---|---|---|
| | Fault | Defect_M14 | /41.4 |
| | Buton urgenta | BU0_pe T.E. | /42.0 |
| | Buton urgenta | BU1_pe B-02 alim presortare | /42.1 |
| | Buton urgenta | BU2_pe suport ciur stg | /42.2 |
| | Buton urgenta | BU3_pe suport ciur dr | /42.3 |
| | Buton urgenta | BU4_pe suport balistor | /42.5 |
| | Buton urgenta | BU5_pe suport (sep optic/band rest) | /42.6 |
| | Buton urgenta | BU6_pe perete cabina C1 | /42.7 |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|---|---|---|
| | Buton urgenta | BU7_pe perete cabina C3 | /42.8 |
| | | | |
| | Buton urgenta | BU8_pe perete cabina C3 | /42.9 |
| | STOP & GO | Buton BUC1_1 | /43.1 |
| | STOP & GO | Buton BUC1_2 | /43.2 |
| | STOP & GO | Buton BUC1_3 | /43.3 |
| | STOP & GO | Buton BUC1_4 | /43.4 |
| | STOP & GO | Buton C3_1 | /44.1 |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|---|---|---|
| | STOP & GO | Buton C3_2 | /44.2 |
| | STOP & GO | Buton C3_3 | /44.3 |
| | STOP & GO | Buton C3_4 | /44.4 |
| | STOP & GO | Buton C3_5 | /44.5 |
| | STOP & GO | Buton C3_6 | /44.6 |
| | STOP & GO | Buton C_7 | /44.8 |
| | STOP & GO | Buton C3_8 | /44.9 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | PLC_A2 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 53 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 58 / 81 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Rezerva | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 54 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 59 / 81 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Rezerva | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 55 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 60 / 81 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|

55

57

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Rezerva | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 56 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 61 / 81 |

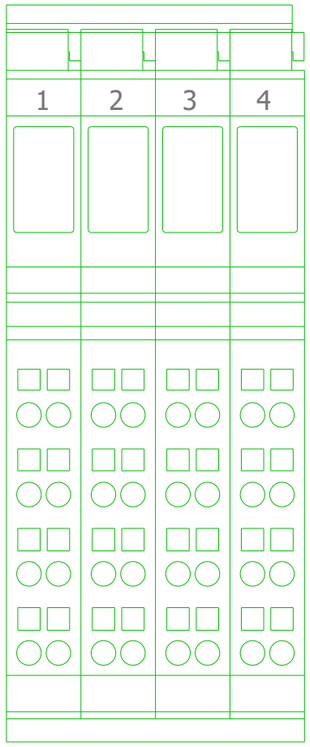
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|



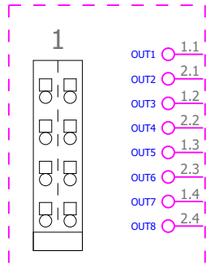
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Rezerva | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 57 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 62 / 81 |

PHOENIX CONTACT

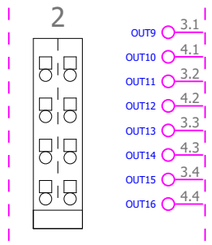
# -A7



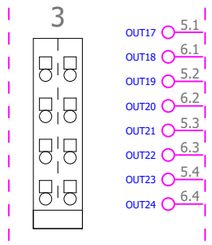

IB IL 24 DO 32/HD-PAC



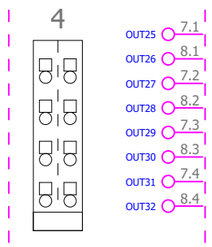

| | | | |
|---|---|---|---|
| | RESTART | SECURITIES | /14.0 |
| | START CONDENSER | ROTARY MOTOR | /14.5 |
| | ANOMALY | | /14.2 |
| | START CONDENSER | ROTARY MOTOR INVERTER | /14.6 |
| | HORN | | /14.3 |
| | RESET | OF THE VACUUM FAN | /14.7 |
| | START CONDENSER | SUPPLY FAN | /14.4 |
| | START | OF THE VACUUM FAN | /14.8 |




| | | | |
|---|---|---|---|
| | CONDENSER ROTARY | MOTORS GREEN LED | /15.0 |
| | SEQUENCER FAN RUN | SIGNAL | /15.5 |
| | CONDENSER ROTARY | MOTORS RED LED | /15.2 |
| | SEQUENCER ACTIVATION | SIGNAL | /15.6 |
| | REMOTE START | AUTHORIZATION | /15.3 |
| | E.V. 1 | CLEANING | /15.7 |
| | START FROM PLANT | CONFIRMATION | /15.4 |
| | E. V. 2 | CLEANING | /15.8 |




| | | | |
|---|---|---|---|
| | E. V. 3 | CLEANING | /16.0 |
| | Comanda | Cmd_start_M4 | /45.4 |
| | Comanda | Cmd_start_M1 | /45.1 |
| | Comanda | Cmd_start_M5 | /45.5 |
| | Comanda | Cmd_start_M2 | /45.2 |
| | Comanda | Cmd_start_M6 | /45.6 |
| | Comanda | Cmd_start_M3 | /45.3 |
| | Comanda | Cmd_start_M7 | /45.7 |



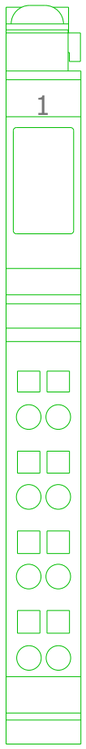

| | | | |
|---|---|---|---|
| | Comanda | Cmd_start_M8 | /45.9 |
| | Comanda | Cmd_start_M12 | /46.4 |
| | Comanda | Cmd_start_M9 | /46.1 |
| | Comanda | Cmd_start_M13 | /46.5 |
| | Comanda | Cmd_start_M10 | /46.2 |
| | Comanda | Cmd_start_M14 | /46.6 |
| | Comanda | Cmd_start_M11 | /46.3 |
| | Comanda | Cmd_start_M15 | /46.7 |



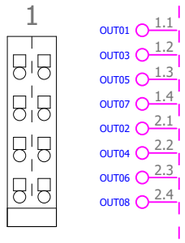
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | PLC_A7 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 58 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 63 / 81 |

PHOENIX CONTACT

# -A8




## IB IL 24 DO 8/HD-ECO




| | | | |
|---|---|---|---|
| | Comanda | Cmd_start_M16 | /46.9 |
| | Comanda | Cmd_start_M17 | /47.1 |



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | PLC_A8 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 59 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 64 / 81 |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| | 0 | | | | |
| -A0 | 1 | Bus coupler | IL PN BK DI8 DO4 2TX-PAC | PXC | PXC.2703994 |
| -A1 | 1 | Inline terminal | IB IL 24 DI 32/HD-PAC | PXC | PXC.2862835 |
| -A2 | 1 | Inline terminal | IB IL 24 DI 32/HD-PAC | PXC | PXC.2862835 |
| -A7 | 1 | Inline terminal | IB IL 24 DO 32/HD-PAC | | PXC.2862822 |
| -A8 | 1 | Inline terminal | IB IL 24 DO 8/HD-ECO | | PXC.2702793 |
| -B1 | 1 | Double actuator pushbutton, +indicator light, green I/white/red 0 | M22-DDL-GR-X1/X0 | ETN | ETN.M22-DDL-GR-X1/X0 |
| -B2 | 1 | Double actuator pushbutton, +indicator light, green I/white/red 0 | M22-DDL-GR-X1/X0 | ETN | ETN.M22-DDL-GR-X1/X0 |
| -B3 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B4 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B5 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B6 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B7 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B8 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B9 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B10 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B10.0 | 0 | | | | |
| -B10.0-S10.1 | 1 | Emergency-stop pushbutton, non-illuminated, turn-release | M22-PVT | ETN | ETN.M22-PVT |
| -B10.0-S10.1 | 1 | Contact element, 1N/O+1N/C, front mount, screw connection | M22-AK11 | ETN | ETN.M22-AK11 |
| -B10.0-S11.2 | 0 | | | | |
| -B10.0-S13.3 | 0 | | | | |
| -B10.0-S14.4 | 0 | | | | |
| -B10.0-S15.5 | 0 | | | | |
| -B10.0-S16.6 | 0 | | | | |
| -B10.0-S17.7 | 0 | | | | |
| -B10.0-S19.8 | 0 | | | | |
| -B11 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B12 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B13 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B14 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B15 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B16 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B17 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -BU1 | 1 | Emergency-stop pushbutton, non-illuminated, turn-release | M22-PVT | ETN | ETN.M22-PVT |
| -BU1 | 1 | Contact element, 1N/O+1N/C, front mount, screw connection | M22-AK11 | ETN | ETN.M22-AK11 |
| -BU1 | 0 | | | | |
| -BU2 | 0 | | | | |
| -BU3 | 0 | | | | |
| -BU4 | 0 | | | | |
| -BU5 | 0 | | | | |
| -BU6 | 0 | | | | |
| -BU7 | 0 | | | | |
| -BU8 | 0 | | | | |
| -BU9 | 0 | | | | |
| -C1 | 0 | | | | |
| -C2 | 0 | | | | |
| -C3 | 0 | | | | |
| -C4 | 0 | | | | |
| -C5 | 0 | | | | |
| -C6 | 0 | | | | |
| -C7 | 0 | | | | |
| -C8 | 0 | | | | |
| -C9 | 0 | | | | |
| -C10 | 0 | | | | |
| -C11 | 0 | | | | |
| -C12 | 0 | | | | |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -ES1 | 1 | Safety relay emergency stop/protective door, 24VDC/AC, 3 enabling paths | ESR5-NO-31-24VAC-DC | ETN | ETN.ESR5-NO-31-24VAC-DC |
| -ES4 | 1 | Safety relay emergency stop/protective door, 24VDC/AC, 3 enabling paths | ESR5-NO-31-24VAC-DC | ETN | ETN.ESR5-NO-31-24VAC-DC |
| -ES5 | 1 | Safety relay emergency stop/protective door, 24VDC/AC, 3 enabling paths | ESR5-NO-31-24VAC-DC | ETN | ETN.ESR5-NO-31-24VAC-DC |
| -F1 | 1 | Over current switch, 32A, 4p, B-Char, AC | FAZ-B32/4 | ETN | ETN.FAZ-B32/4 |
| -F2 | 1 | Over current switch, 32A, 4p, B-Char, AC | FAZ-B32/4 | ETN | ETN.FAZ-B32/4 |
| -F3 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F3.1 | 1 | Over current switch, 6A, 1p, C-Char, DC current | PXL-C6-DC | ETN | ETN.PXL-C6-DC |
| -F3.2 | 1 | Over current switch, 6A, 1p, C-Char, DC current | PXL-C6-DC | ETN | ETN.PXL-C6-DC |
| -F4 | 1 | Over current switch, 6A, 1Np, C-Char, AC | FAZ-PN-C6/1N | ETN | ETN.FAZ-PN-C6/1N |
| -F5 | 1 | Over current switch, 16A, 1Np, C-Char, AC | FAZ-PN-C16/1N | ETN | ETN.FAZ-PN-C16/1N |
| -F6 | 1 | Over current switch, 16A, 1Np, C-Char, AC | FAZ-PN-C16/1N | ETN | ETN.FAZ-PN-C16/1N |
| -F7 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F8 | 1 | Over current switch, 2A, 3p, C-Char, AC | PXL-C2/3 | ETN | ETN.PXL-C2/3 |
| -F21.1 | 1 | THERM. OVERLOAD RELAY 1.1 - 1.6 A | 3RU2116-1AC0 | SIE | SIE.3RU2116-1AC0 |
| -F60.1 | 1 | Surge voltage arrester (power supply systems) | VPU III R 24V/4KV AC/DC | | WEI.1351580000 |
| -F62 | 1 | THERM. OVERLOAD RELAY 1.1 - 1.6 A | 3RU2116-1AC0 | SIE | SIE.3RU2116-1AC0 |
| -F63 | 1 | Surge voltage arrester (power supply systems) | VPU III R 24V/4KV AC/DC | | WEI.1351580000 |
| -F72.2 | 1 | SITOP PSE200U | 6EP1961-2BA21 | SIE | SIE.6EP1961-2BA21 |
| -F73 | 1 | Over current switch, 6A, 1p, C-Char, AC | PXL-C6/1 | ETN | ETN.PXL-C6/1 |
| -F76 | 1 | Over current switch, 6A, 1p, C-Char, AC | PXL-C6/1 | ETN | ETN.PXL-C6/1 |
| -F77 | 1 | Over current switch, 6A, 1p, C-Char, AC | PXL-C6/1 | ETN | ETN.PXL-C6/1 |
| -FAN_TE1 | 0 | | | | |
| -G1 | 1 | Power supply unit | TRIO-PS/1AC/24DC/10 | PXC | PXC.2866323 |
| -H64.1 | 0 | | | | |
| -H65.2 | 0 | | | | |
| -H66.3 | 0 | | | | |
| -HL1 | 1 | Monolithic pilot light Ø 22 - green - integral LED - 230V | | SE | SE.XB7EV03MP |
| -HL2 | 1 | Monolithic pilot light Ø 22 - green - integral LED - 230V | | SE | SE.XB7EV03MP |
| -HL3 | 1 | Monolithic pilot light Ø 22 - green - integral LED - 230V | | SE | SE.XB7EV03MP |
| -K6 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K6 | 1 | Auxiliary contact module, 3N/O+1N/C, surface mounting, screw connection | DILA-XHI31 | ETN | ETN.DILA-XHI31 |
| -K8 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K8 | 1 | Auxiliary contact module, 3N/O+1N/C, surface mounting, screw connection | DILA-XHI31 | ETN | ETN.DILA-XHI31 |
| -K9 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K9 | 1 | Auxiliary contact module, 3N/O+1N/C, surface mounting, screw connection | DILA-XHI31 | ETN | ETN.DILA-XHI31 |
| -K10 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K10 | 1 | Auxiliary contact module, 3N/O+1N/C, surface mounting, screw connection | DILA-XHI31 | ETN | ETN.DILA-XHI31 |
| -K11 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K11 | 1 | Auxiliary contact module, 3N/O+1N/C, surface mounting, screw connection | DILA-XHI31 | ETN | ETN.DILA-XHI31 |
| -K12 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K12 | 1 | Auxiliary contact module, 3N/O+1N/C, surface mounting, screw connection | DILA-XHI31 | ETN | ETN.DILA-XHI31 |
| -K13 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K13 | 1 | Auxiliary contact module, 3N/O+1N/C, surface mounting, screw connection | DILA-XHI31 | ETN | ETN.DILA-XHI31 |
| -K14 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K14 | 1 | Auxiliary contact module, 3N/O+1N/C, surface mounting, screw connection | DILA-XHI31 | ETN | ETN.DILA-XHI31 |
| -K15 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K15 | 1 | Auxiliary contact module, 3N/O+1N/C, surface mounting, screw connection | DILA-XHI31 | ETN | ETN.DILA-XHI31 |
| -K16 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K16 | 1 | Auxiliary contact module, 3N/O+1N/C, surface mounting, screw connection | DILA-XHI31 | ETN | ETN.DILA-XHI31 |
| -K17 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K17 | 1 | Auxiliary contact module, 3N/O+1N/C, surface mounting, screw connection | DILA-XHI31 | ETN | ETN.DILA-XHI31 |
| -K18 | 1 | Contactor TeSys CAD-50 - 5 NO + 0 NC - 10A - 24 VDC,screw-clamps terminals | CAD 5NO 24VDC | SE | SE.CAD50BD |
| -K18 | 1 | Auxiliary contact block, TeSys Deca, 4NO, front mounting, screw clamp terminals | LADN40 | SE | SE.LADN40 |
| -K19 | 1 | Contactor TeSys CAD-50 - 5 NO + 0 NC - 10A - 24 VDC,screw-clamps terminals | CAD 5NO 24VDC | SE | SE.CAD50BD |
| -K19 | 1 | Auxiliary contact block, TeSys Deca, 4NO, front mounting, screw clamp terminals | LADN40 | SE | SE.LADN40 |
| -K20 | 1 | Contactor TeSys CAD-50 - 5 NO + 0 NC - 10A - 24 VDC,screw-clamps terminals | CAD 5NO 24VDC | SE | SE.CAD50BD |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -K20 | 1 | Auxiliary contact block, TeSys Deca, 4NO, front mounting, screw clamp terminals | LADN40 | SE | SE.LADN40 |
| -KA13.1 | 0 | | | | |
| -KA183.1 | 1 | Standard all-or-nothing relay | TRZ 24VDC 1CO | | WEI.1122880000 |
| -KA184.2 | 1 | Standard all-or-nothing relay | TRZ 24VDC 1CO | | WEI.1122880000 |
| -KA184.4 | 1 | Standard all-or-nothing relay | TRZ 24VDC 1CO | | WEI.1122880000 |
| -KA185.3 | 1 | Standard all-or-nothing relay | TRZ 24VDC 1CO | | WEI.1122880000 |
| -KA185.5 | 1 | Standard all-or-nothing relay | TRZ 24VDC 1CO | | WEI.1122880000 |
| -KA186.6 | 1 | Standard all-or-nothing relay | TRZ 24VDC 1CO | | WEI.1122880000 |
| -KA191.1 | 1 | Standard all-or-nothing relay | TRZ 24VDC 1CO | | WEI.1122880000 |
| -KA192.2 | 1 | Standard all-or-nothing relay | TRZ 24VDC 1CO | | WEI.1122880000 |
| -KA193.3 | 1 | Standard all-or-nothing relay | TRZ 24VDC 1CO | | WEI.1122880000 |
| -KA194.4 | 1 | Standard all-or-nothing relay | TRZ 24VDC 1CO | | WEI.1122880000 |
| -KA195.5 | 1 | Standard all-or-nothing relay | TRZ 24VDC 1CO | | WEI.1122880000 |
| -KA196.6 | 1 | Standard all-or-nothing relay | TRZ 24VDC 1CO | | WEI.1122880000 |
| -KA197.7 | 1 | Standard all-or-nothing relay | TRZ 24VDC 1CO | | WEI.1122880000 |
| -KA198.8 | 1 | Standard all-or-nothing relay | TRZ 24VDC 1CO | | WEI.1122880000 |
| -KA202.1 | 1 | INTERFACE RELAY | C10-A10X/DC24V | COM | COM.C10-A10X/DC24V |
| -KA202.2 | 1 | INTERFACE RELAY | C10-A10X/DC24V | COM | COM.C10-A10X/DC24V |
| -KA203.3 | 1 | INTERFACE RELAY | C10-A10X/DC24V | COM | COM.C10-A10X/DC24V |
| -KM261.1 | 1 | CONTACTOR,AC3:3KW 1NO AC24V 50/60HZ | 3RT2015-2AB01 | SIE | SIE.3RT2015-2AB01 |
| -KM263.2 | 1 | CONTACTOR,AC3:3KW 1NC AC24V 50/60HZ | 3RT2015-2AB02 | SIE | SIE.3RT2015-2AB02 |
| -KM264.3 | 1 | CONTACTOR,AC3:3KW 1NC AC24V 50/60HZ | 3RT2015-2AB02 | SIE | SIE.3RT2015-2AB02 |
| -KM265.4 | 1 | COUPLING CONT.,AC3:30KW 1NO+1NC 24VDC | 3RT2037-1KB40 | SIE | SIE.3RT2037-1KB40 |
| -KM266.5 | 1 | COUPLING CONT.,AC3:30KW 1NO+1NC 24VDC | 3RT2037-1KB40 | SIE | SIE.3RT2037-1KB40 |
| -KS81.1 | 0 | | | | |
| -KSA83.1 | 1 | CONTACTOR,AC3:3KW 1NC DC24V | 3RT2015-2BB42 | SIE | SIE.3RT2015-2BB42 |
| -KSA84.2 | 1 | CONTACTOR,AC3:3KW 1NC DC24V | 3RT2015-2BB42 | SIE | SIE.3RT2015-2BB42 |
| -LP_Tablou1 | 1 | | | | STE.02540.0-03 |
| -LP_Tablou2 | 1 | | | | STE.02540.0-03 |
| -LS1 | 1 | | | | ETN.LS-11 |
| -M1/B-16 | 0 | | | | |
| -M2/B-17 | 0 | | | | |
| -M3/B-18 | 0 | | | | |
| -M4/B-19 | 0 | | | | |
| -M5/B-20 | 0 | | | | |
| -M6/B-21 | 0 | | | | |
| -M7/B-22 | 0 | | | | |
| -M8/B-23 | 0 | | | | |
| -M9/B-24 | 0 | | | | |
| -M10/B-25 | 0 | | | | |
| -M11/B-26 | 0 | | | | |
| -M12/b-27 | 0 | | | | |
| -M13/B-28 | 0 | | | | |
| -M14/B-29 | 0 | | | | |
| -M15/B-30 | 0 | | | | |
| -M16/B-31 | 0 | | | | |
| -M17/B-32 | 0 | | | | |
| -M21.1 | 0 | | | | |
| -M23.2 | 0 | | | | |
| -M27.3 | 0 | | | | |
| -M35.1 | 0 | | | | |
| -M36.1 | 0 | | | | |
| -M63.1 | 0 | | | | |
| -PRIZA_SERVICE1 | 0 | | | | |
| -PRIZA_SERVICE2 | 0 | | | | |
| -Q1 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -Q1 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q1 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q2 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q2 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q2 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q3 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q3 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q3 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q4 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q4 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q4 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q5 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q5 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q5 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q6 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q6 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q6 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q7 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q7 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q7 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q8 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q8 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q8 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q9 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q9 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q9 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q10 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q10 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q10 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q10 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q10 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q10.1 | 1 | MCCB_IEC_FS160_160A_4P_55KA_ETU3_LI | 3VA2116-5HL46-0AA0 | SIE | SIE.3VA2116-5HL46-0AA0 |
| -Q10.1 | 0 | | | | |
| -Q11 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q11 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q11 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q12 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q12 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q12 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q12.2 | 0 | | | | |
| -Q13 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q13 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q13 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q14 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q14 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q14 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q15 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q15 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q15 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q16 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q16 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q16 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q16.3 | 0 | | | | |
| -Q17 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q17 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q17 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q21.1 | 1 | CIRCUIT-BREAKER SPRING-L. CONN. 3.2A | 3RV2011-1DA20 | SIE | SIE.3RV2011-1DA20 |
| -Q21.1 | 1 | LATERAL AUXILIARY SWITCH 2S, SPRING-L. CONNECTION | 3RV2901-2B | SIE | SIE.3RV2901-2B |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -Q27.2 | 1 | CIRCUIT-BREAKER SPRING-L. CONN. 5A | 3RV2011-1FA20 | SIE | SIE.3RV2011-1FA20 |
| -Q27.2 | 1 | LATERAL AUXILIARY SWITCH 2S, SPRING-L. CONNECTION | 3RV2901-2B | SIE | SIE.3RV2901-2B |
| -Q35.1 | 1 | CIRCUIT BREAKER, SCREW-TYPE, 32 A | 3RV2031-4EB15 | SIE | SIE.3RV2031-4EB15 |
| -Q35.1 | 1 | TRANSVERSE AUX. SWITCH, 1NO+1NC, SCREW CONNECTION | 3RV2901-1E | SIE | SIE.3RV2901-1E |
| -Q36.2 | 1 | SENTRON Miniature circuit breaker | 5SY4316-7 | | SIE.5SY4316-7 |
| -Q36.2 | 1 | SENTRON Auxiliary current switch Mountable | 5ST3010 | | SIE.5ST3010 |
| -Q41.1 | 1 | SENTRON Miniature circuit breaker | 5SY4206-7 | | SIE.5SY4206-7 |
| -Q41.1 | 1 | SENTRON Fault signal contact Mountable | 5ST3020 | | SIE.5ST3020 |
| -Q60.1 | 1 | SENTRON Miniature circuit breaker | 5SY4203-8 | | SIE.5SY4203-8 |
| -Q60.1 | 1 | SENTRON Fault signal contact Mountable | 5ST3020 | | SIE.5ST3020 |
| -Q60.1 | 1 | SENTRON Auxiliary current switch Mountable | 5ST3010 | | SIE.5ST3010 |
| -Q60.1 | 0 | | | | |
| -Q63.2 | 1 | SENTRON Miniature circuit breaker | 5SY6106-7 | | SIE.5SY6106-7 |
| -Q63.2 | 1 | SENTRON Auxiliary current switch Mountable | 5ST3010 | | SIE.5ST3010 |
| -Q63.2 | 0 | | | | |
| -Q71.1 | 1 | SENTRON Miniature circuit breaker | 5SY4206-7 | | SIE.5SY4206-7 |
| -Q71.1 | 1 | SENTRON Fault signal contact Mountable | 5ST3020 | | SIE.5ST3020 |
| -R1 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R2 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -R3 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -R4 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -R5 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -R6 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -R7 | 0 | | | | |
| -RM1 | 1 | Monitoring relay, 3 phase + neutral AC line monitoring - AC (50/60 Hz) - 380...415 V | 70.41.8.400.2030 | FIN | FIN.70.41.8.400.2030 |
| -RQ1 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ1 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ2 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ2 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ3 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ3 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ4 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ4 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ5 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ5 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ6 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ6 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ7 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ7 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ8 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ8 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ9 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ9 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ10 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ10 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ11 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ11 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ12 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ12 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ13 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ14 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ15 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ16 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ17 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RS1 | 2 | Monolithic push-button- LED - Spring Rtn -1NO - blue - 24v | | SE | SE.XB7NW36B1 |
| -RSTOP1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -RSTOP2 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU2 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU3 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU4 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU5 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU7 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -S1 | 1 | Monolithic selector switch - Ø 22 - black - standard handle - 3 positions - 2 NO | | SE | SE.XB7ND33 |
| -S86.1 | 1 | Emergency-stop pushbutton, non-illuminated, turn-release | M22-PVT | ETN | ETN.M22-PVT |
| -S86.1 | 1 | Contact element, 1N/O+1N/C, front mount, screw connection | M22-AK11 | ETN | ETN.M22-AK11 |
| -S86.1 | 0 | | | | |
| -S132.1 | 0 | | | | |
| -T11.1 | 0 | | | | |
| -T60.1 | 0 | | | | |
| -Th_1 | 1 | Double Thermostat | NSYCCOTHD | SE | SE.NSYCCOTHD |
| -U1 | 1 | | | | DAN.FC-302P4K0T5E20H1BGXXXXSXXXXALB8CXXXXD0 |
| -U2 | 0 | | | | |
| -U3 | 0 | | | | |
| -U4 | 0 | | | | |
| -U5 | 0 | | | | |
| -U7 | 0 | | | | |
| -U35.1 | 1 | SIRIUS SOFT STARTER, S3, 106A, 55KW/400V, 40 DEGR., | 3RW4047-2BB04 | SIE | SIE.3RW4047-2BB04 |
| -V71.1 | 0 | | | | |
| -X16.2 | 0 | | | | |
| -Y41.1 | 0 | | | | |
| -Y42.2 | 0 | | | | |
| -Y43.3 | 0 | | | | |

# Cable diagram

F09_001

| Cable name<br>=CA1+EAA-W1 | Cable type<br>H07RN-F | | No. of conductors<br>4 | | Cross-section<br>4,0 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | /20.a.2 | | R | BN | -F1 | 2 | /20.a.2 | |
| | /20.a.2 | | S | BK | -F1 | 4 | /20.a.2 | |
| | /20.a.2 | | T | GY | -F1 | 6 | /20.a.2 | |
| | /20.a.2 | | N | | -F1 | 8 | /20.a.2 | |

# Cable diagram

F09_001

| Cable name =CA1+EAA-W2 | Cable type H07RN-F | | No. of conductors 4 | | Cross-section 6,0 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | /20.a.4 | | R | BN | -F2 | 2 | /20.a.4 | |
| | /20.a.4 | | S | BK | -F2 | 4 | /20.a.4 | |
| | /20.a.4 | | T | GY | -F2 | 6 | /20.a.4 | |
| | /20.a.4 | | N | | -F2 | 8 | /20.a.4 | |

# Cable diagram

F09_001

| Cable name | Cable type | No. of conductors | Cross-section | Cable length | Function text |
|---|---|---|---|---|---|
| =CA1+EAA-WC10.1 | YSLY-JZ 16X1 GR | 16 | 1 | | |

| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
|---|---|---|---|---|---|---|---|---|
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | /17.1 | -B10.0-X10 | 1 | 2 | -KS81.1 | 41 | /8.3 | |
| | /17.1 | -B10.0-X10 | 2 | 3 | -S86.1 | 11 | /8.5 | CABINET EMERGENCY STOP |
| | /17.1 | -B10.0-X10 | 4 | 4 | -S86.1 | 14 | /8.7 | |
| | /17.2 | -B10.0-X10 | 6 | 5 | -A1 | 2:4.1 | /12.5 | REMOTE |
| | /17.2 | -B10.0-X10 | 7 | 6 | -KA193.3 | 14 | /17.2 | |
| | /17.3 | -B10.0-X10 | 8 | 7 | -KA203.3 | A2 | /16.0 | S.V.3 CLEANING |
| | /17.3 | -B10.0-X10 | 10 | 8 | -A1 | 2:4.2 | /12.6 | START CONDENSER |
| | /17.4 | -B10.0-X10 | 11 | 9 | -KA194.4 | 14 | /17.4 | |
| | /17.5 | -B10.0-X10 | 14 | 10 | -A1 | 2:4.3 | /12.7 | STOP OF THE MOTOR |
| | /17.6 | -B10.0-X10 | 16 | 11 | -A1 | 2:4.4 | /12.9 | SAFETY SWITCH |
| | /17.1 | -B10.0-X10 | 1 | 2 | -KA193.3 | 11 | /17.2 | |
| | /17.9 | -B10.0-X10 | 28 | | -KS81.1 | IN1 | /8.1 | |
| | /17.9 | -B10.0-X10 | 30 | | -KS81.1 | IN2 | /8.2 | |
| | /17.7 | -B10.0-X10 | 20 | | -A1 | 3:5.1 | /13.0 | SAFETY SWITCH |
| | /17.8 | -B10.0-X10 | 24 | | -A1 | 3:5.2 | /13.2 | = |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Cable diagram =CA1+EAA-WC10.1 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 Page 63 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 73 / 81 |

# Cable diagram

F09_001

| Cable name =CA1+EAA-WC41.1 | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /5.2 | -X4 | 1 | BK | -Y41.1 | | /5.2 | |
| | /5.2 | -X4 | 2 | BN | -Y41.1 | | /5.2 | |
| | /5.2 | -X4 | 2 | BN | -Y42.2 | | /5.3 | |
| | /5.4 | -X4 | 4 | BU | -Y43.3 | | /5.4 | |
| | /5.3 | -X4 | 3 | GY | -Y42.2 | | /5.3 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Cable diagram =CA1+EAA-WC41.1 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 | Page 64 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 74 / 81 |

# Cable diagram

F09_001

| Cable name | Cable type | No. of conductors | Cross-section | Cable length | Function text |
|---|---|---|---|---|---|
| =CA1+EAA-WC86.1 | YSLY-JZ 20X1 GR | 20 | 1 | | |

| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
|---|---|---|---|---|---|---|---|---|
| | /8.5 | | 1 | WH | -X11 | 1 | /8.5 | |
| | /8.7 | | 1 | BN | -X11 | 3 | /8.7 | |
| | /8.5 | | 1 | GN | -X11 | 2 | /8.5 | |
| | /8.7 | | 1 | YE | -X11 | 4 | /8.7 | |
| | /10.2 | | 1 | GY | -X11 | 5 | /10.2 | |
| | /10.2 | | 1 | PK | -X11 | 6 | /10.2 | |
| | /12.3 | | 1 | BU | -X11 | 7 | /12.3 | |
| | /12.3 | | 1 | RD | -X11 | 8 | /12.3 | |
| | /20.2 | | 1 | BK | -X11 | 9 | /20.1 | |
| | /20.2 | | 1 | VT | -X11 | 10 | /20.1 | |
| | /20.4 | | 1 | GYPK | -X11 | 11 | /20.3 | |
| | /20.4 | | 1 | RDBU | -X11 | 12 | /20.3 | |
| | /20.6 | | 1 | WHGN | -X11 | 13 | /20.6 | |
| | /20.6 | | 1 | BNGN | -X11 | 14 | /20.6 | |
| | /20.9 | | 1 | WHYE | -X11 | 15 | /20.8 | |
| | /20.9 | | 1 | YEBN | -X11 | 16 | /20.8 | |
| | | | | WHGY | | | | |
| | | | | GYBN | | | | |
| | | | | WHPK | | | | |
| | | | | PKBN | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Cable diagram =CA1+EAA-WC86.1 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 Page 65 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 75 / 81 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-WC240.1 | YSLY-JZ 12X1,5 GR | | 12 | | 1,5 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | /18.1 | | 4 | 1 | -X6 | 1 | /18.1 | |
| | /18.2 | | 5 | 2 | -X6 | 2 | /18.2 | |
| | /18.3 | | 6 | 3 | -X6 | 3 | /18.3 | |
| | /18.3 | | 7 | 4 | -X6 | 4 | /18.3 | |
| | /18.6 | | 12 | 5 | -X6 | 5 | /18.6 | |
| | /18.6 | | 13 | 6 | -X6 | 6 | /18.6 | |
| | /18.7 | | 14 | 7 | -X6 | 7 | /18.7 | |
| | /18.8 | | 15 | 8 | -X6 | 8 | /18.8 | |
| | | | | 9 | | | | |
| | | | | 10 | | | | |
| | | | | 11 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Cable diagram =CA1+EAA-WC240.1 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | |

# Cable diagram

F09_001

| Cable name | Cable type | No. of conductors | Cross-section | Cable length | Function text |
|---|---|---|---|---|---|
| =CA1+EAA-WP21.1 | H07RN-F | 4 | 2,5 | | |

| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
|---|---|---|---|---|---|---|---|---|
| | /3.2 | -X1 | Pe | GNYE | -M21.1 | PE | /3.1 | SUPPLY FAN 1 |
| | /3.1 | -X1 | 1 | BN | -M21.1 | U1 | /3.1 | = |
| | /3.1 | -X1 | 2 | BK | -M21.1 | V1 | /3.1 | = |
| | /3.1 | -X1 | 3 | GY | -M21.1 | W1 | /3.1 | = |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Cable diagram =CA1+EAA-WP21.1 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 Page 67 |
| Modification | Date | Name | Original | | Replacement of / Replaced by | | | Page 77 / 81 |

# Cable diagram

F09_001

| Cable name =CA1+EAA-WP22.2 | Cable type H07RN-F | | No. of conductors 4 | | Cross-section 2,5 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /3.3 | -X1 | Pe | GNYE | -M23.2 | PE | /3.3 | SUPPLY FAN 2 |
| | /3.3 | -X1 | 4 | BN | -M23.2 | U1 | /3.3 | = |
| | /3.3 | -X1 | 5 | BK | -M23.2 | V1 | /3.3 | = |
| | /3.3 | -X1 | 6 | GY | -M23.2 | W1 | /3.3 | = |

# Cable diagram

F09_001

| Cable name =CA1+EAA-WP25.3 | Cable type H07RN-F | | No. of conductors 4 | | Cross-section 2,5 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /3.6 | -X1 | Pe | GNYE | -M27.3 | PE | /3.6 | CONDENSER ROTARY MOTOR |
| | | | | BN | | | | |
| | | | | BK | | | | |
| | | | | GY | | | | |
| | /3.6 | -X1 | 7 | | -M27.3 | U1 | /3.6 | CONDENSER ROTARY MOTOR |
| | /3.6 | -X1 | 8 | | -M27.3 | V1 | /3.6 | = |
| | /3.6 | -X1 | 9 | | -M27.3 | W1 | /3.6 | = |

# Cable diagram

F09_001

| Cable name =CA1+EAA-WP35.1 | Cable type H07RN-F | | No. of conductors 4 | | Cross-section 16 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /4.4 | -X3 | 4 | BN | -M35.1 | U1 | /4.4 | VACUUM FAN |
| | /4.4 | -X3 | 5 | BK | -M35.1 | V1 | /4.4 | = |
| | /4.4 | -X3 | 6 | GY | -M35.1 | W1 | /4.4 | = |
| | /4.4 | -X3 | Pe | GNYE | -M35.1 | PE | /4.4 | = |

# Cable diagram

F09_001

| Cable name | Cable type | No. of conductors | Cross-section | Cable length | Function text |
|---|---|---|---|---|---|
| =CA1+EAA-WP36.1 | H07RN-F | 4 | 4,0 | | |

| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
|---|---|---|---|---|---|---|---|---|
| | /4.2 | -X3 | Pe | GNYE | -M36.1 | PE | /4.1 | Compresor limpeieza Filtro |
| | /4.1 | -X3 | 1 | BN | -M36.1 | U1 | /4.1 | = |
| | /4.1 | -X3 | 2 | BK | -M36.1 | V1 | /4.1 | = |
| | /4.2 | -X3 | 3 | GY | -M36.1 | W1 | /4.1 | = |



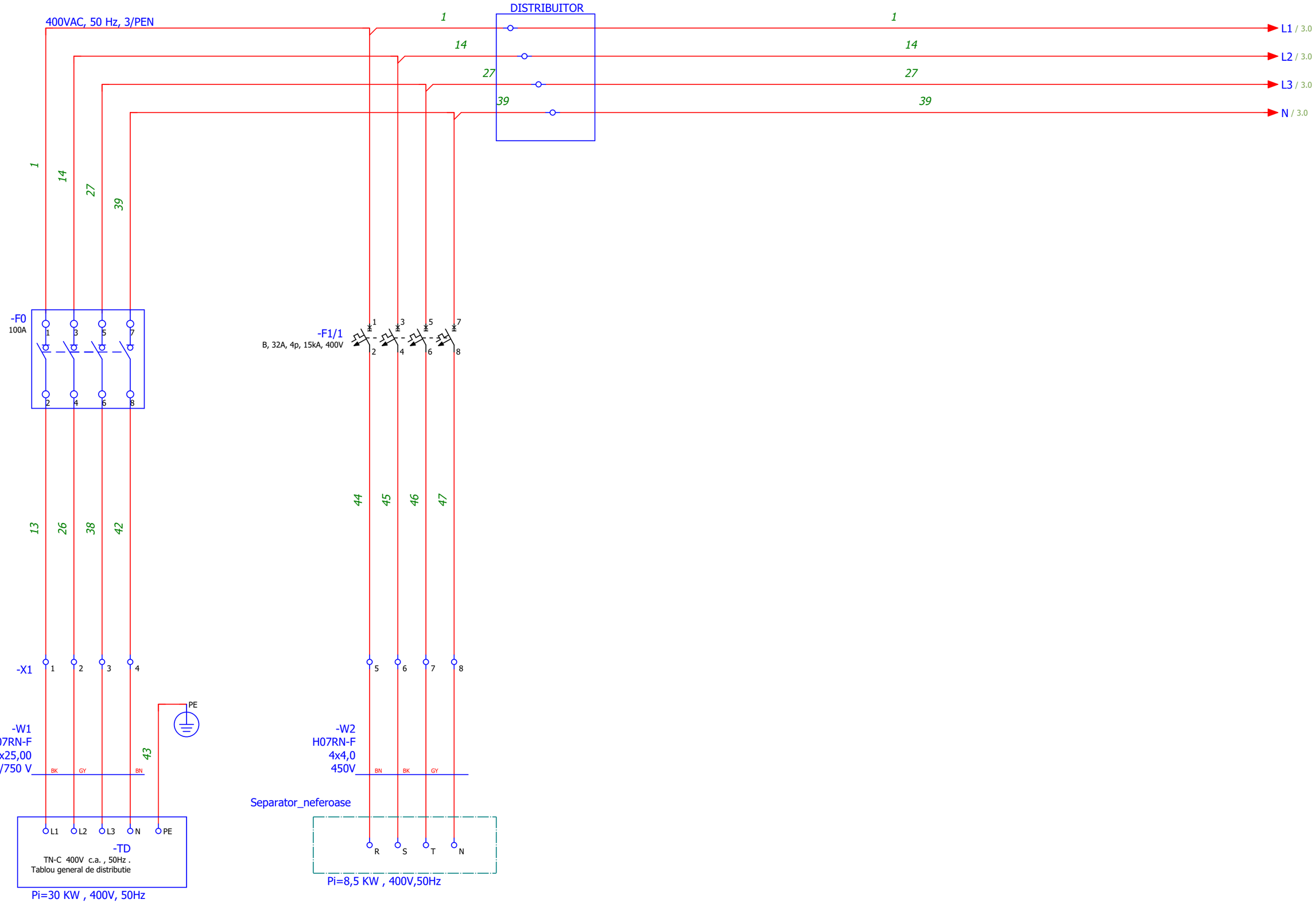
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 24/08/2023 | EPLAN | SC TEHNIMARKET SRL | Cable diagram =CA1+EAA-WP36.1 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi_separator aeraulic_separator optic_cabina sortare | C1/C3 | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 71 |
| | | | | | | | | Page 81 / 81 |

Sc TEHNIMARKET Srl

Str. Arcadie Septilici Nr. 1C
600234 BACAU
Phone +49 (0)2173 - 39 64 - 0

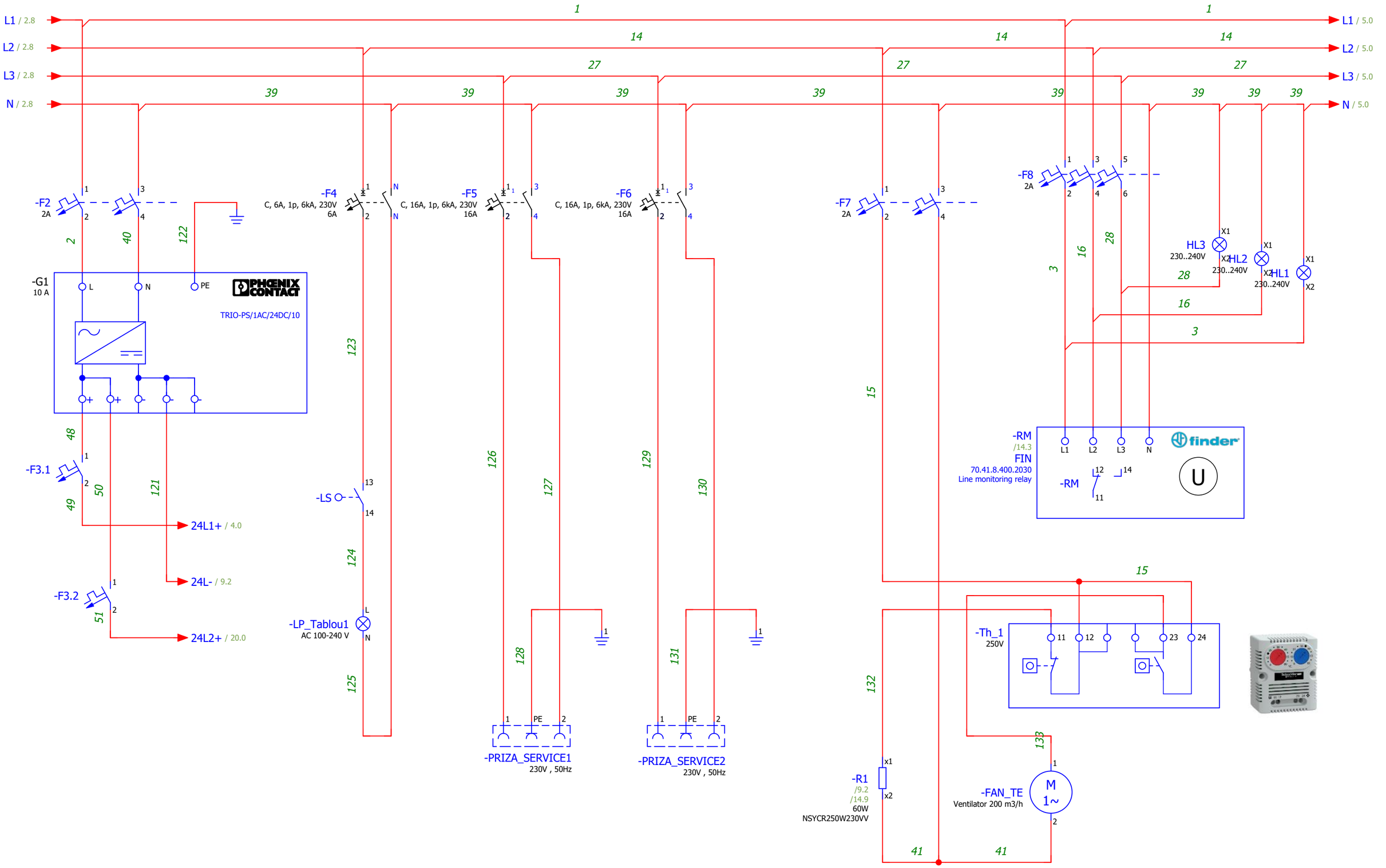
| | |
|---|---|
| Company / customer | Statie sortare ROIESTI |
| Project description | TE_evacuare si compactare REST |
| Job number | IEC_bas001 |
| Commission | EPLAN |
| Manufacturer (company) | Sc TEHNIMARKET Srl |
| Path | EPLAN sample project |
| Project name | TE_4_Cap_presare |
| Make | |
| Type | |
| Place of installation | |
| Responsible for project | Murgulet Ioan |
| Part feature | |

Created on 23/03/2023
Edit date 07/04/2023 by (short name) Nelu
Number of pages 40




1 3

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | Alim | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 2 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 2 / 40 |




| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | Aux tablou | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_evacuare si compactare REST | | | | IEC_bas001 | Page 3 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 3 / 40 |

24L1+ / 4.9

49 49 49 49 49 49

24L1+ / 9.2

-BU0
Red

EMERGENCY STOP PE T.E.
-BU0.22 / 15.1

CAMP -BU1 -X2
EMERGENCY STOP 1
-BU1.22 / 15.2

CAMP -BU2 -X2
EMERGENCY STOP 2
-BU2.22 / 15.3

CAMP -BU3 -X2
EMERGENCY STOP 3
-BU3.22 / 15.4

CAMP -BU4 -X2
EMERGENCY STOP 4
-BU4.22 / 15.5

CAMP -BU5 -X2
EMERGENCY STOP 5
-BU5.22 / 15.6

-F7
/3.6
C 6A

-K1 /19.1
-K2 /19.2
-K3 /19.3
-K4 /19.4

SH-SR1 E
/4.7

SR1

A1.1 Y1 Y2 13 23 33 Y43

XPSAC5121-Emergency stop

A2.1 14 24 34 Y44

13.0
SR1.14

SH-SR1
/4.5



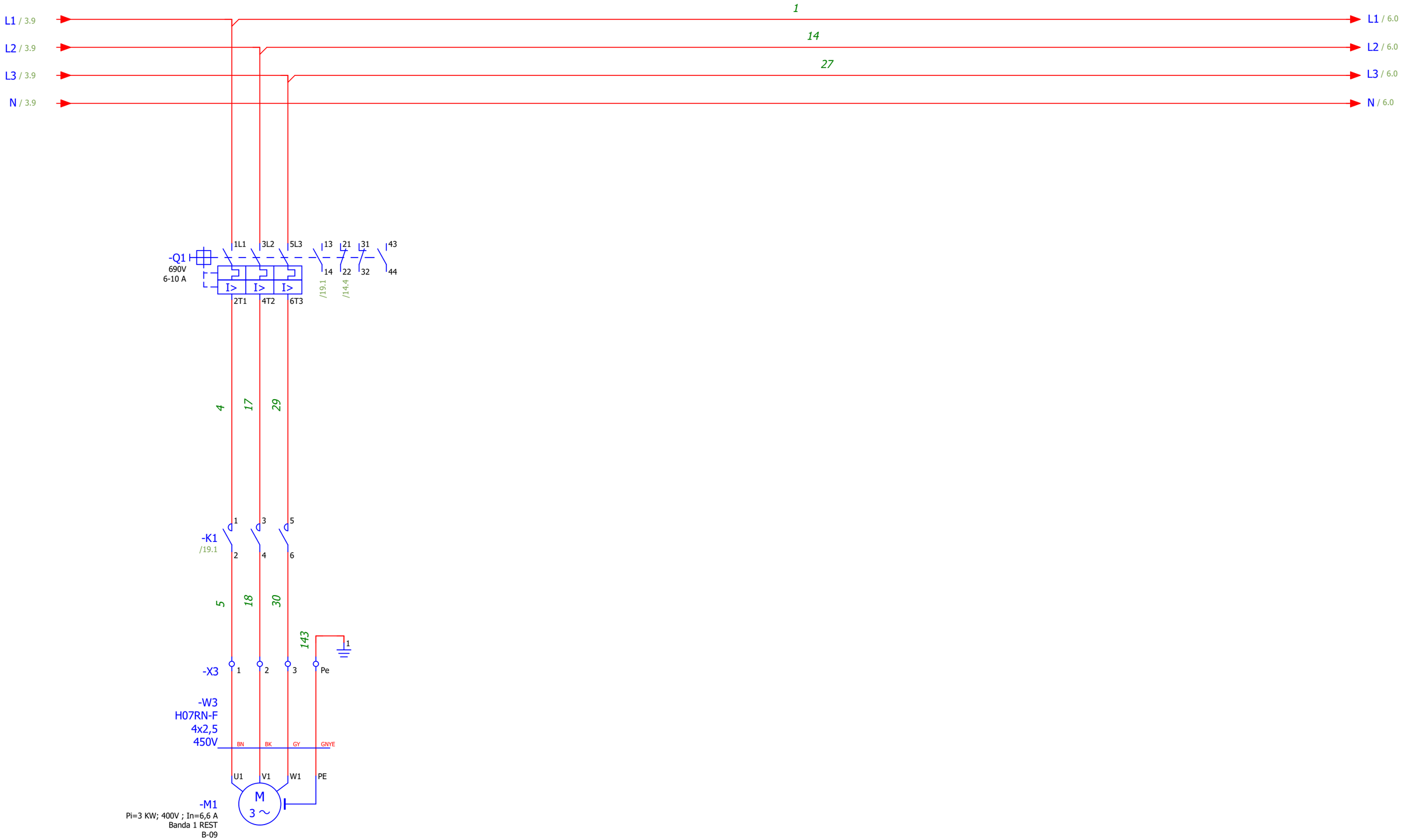

3 1.1
IN1
-A0
/10.5
I2.0
Safety relay OK
Confirmare

24L1+ / 3.1

24L1+ / 4.0

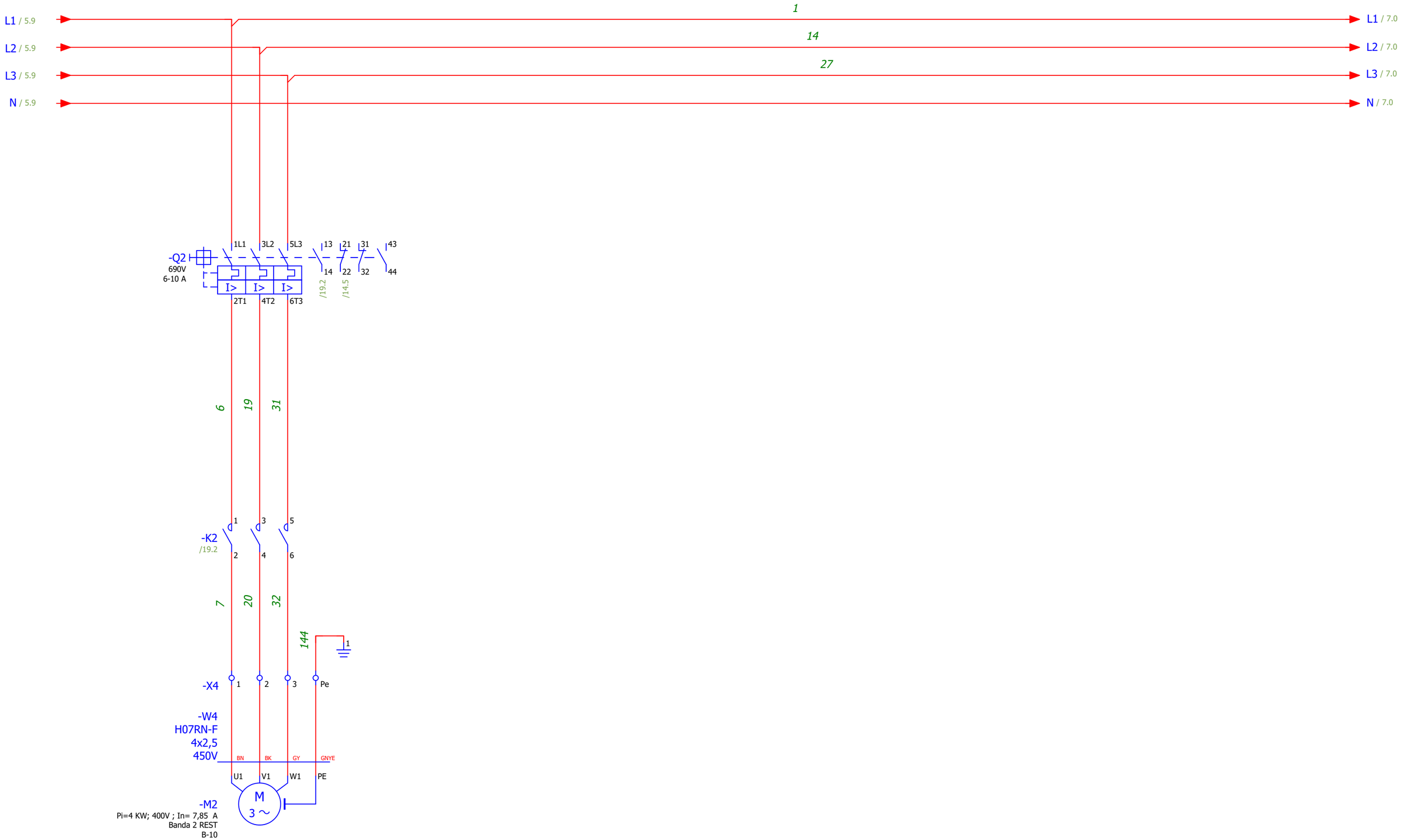
3 5

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | Safety relay | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 4 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 4 / 40 |



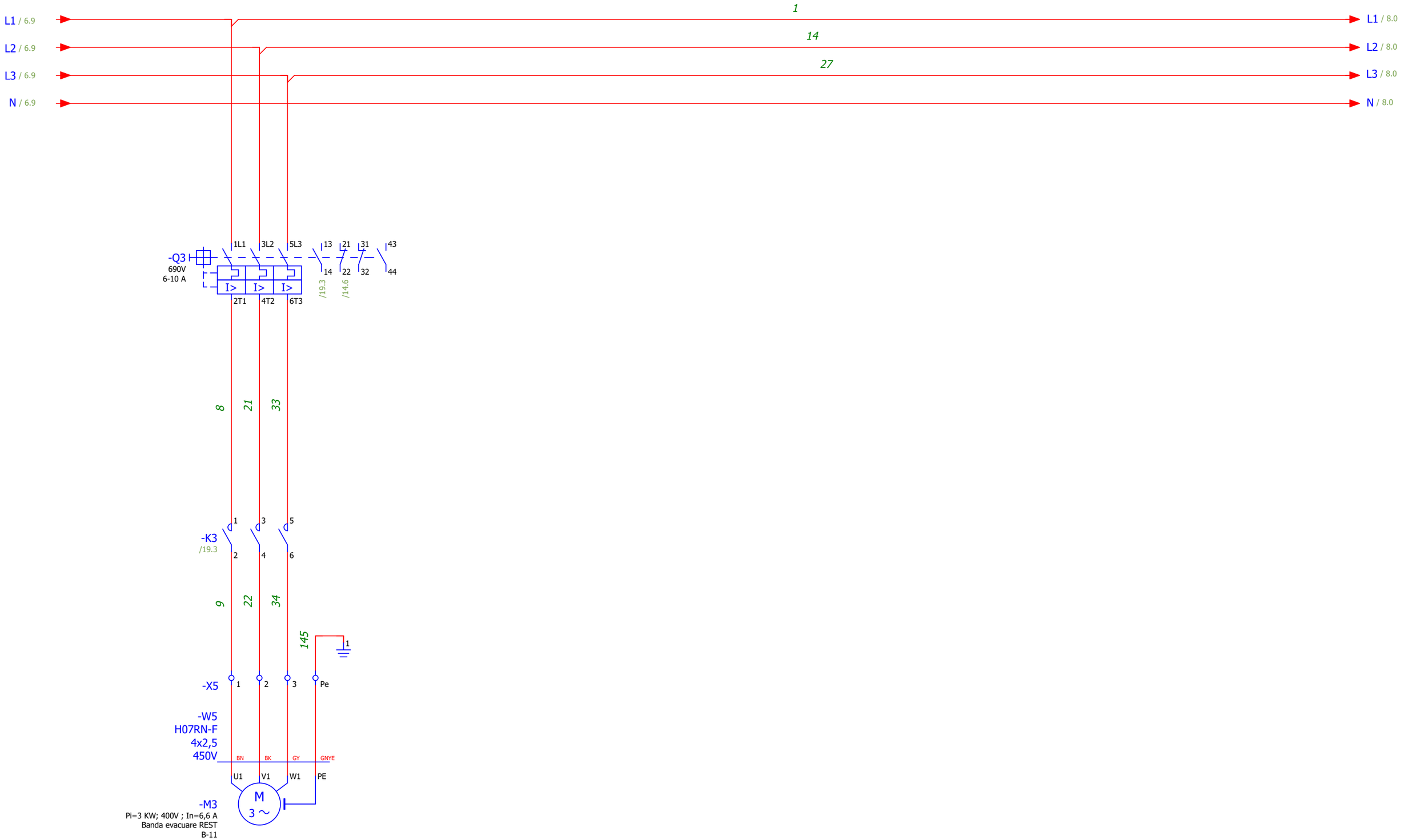



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | | Sc TEHNIMARKET Srl | Alim_M1 | | = CA1 |
| | | | Ed | Nelu | | | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | | IEC_bas001 | Page 5 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 5 / 40 |



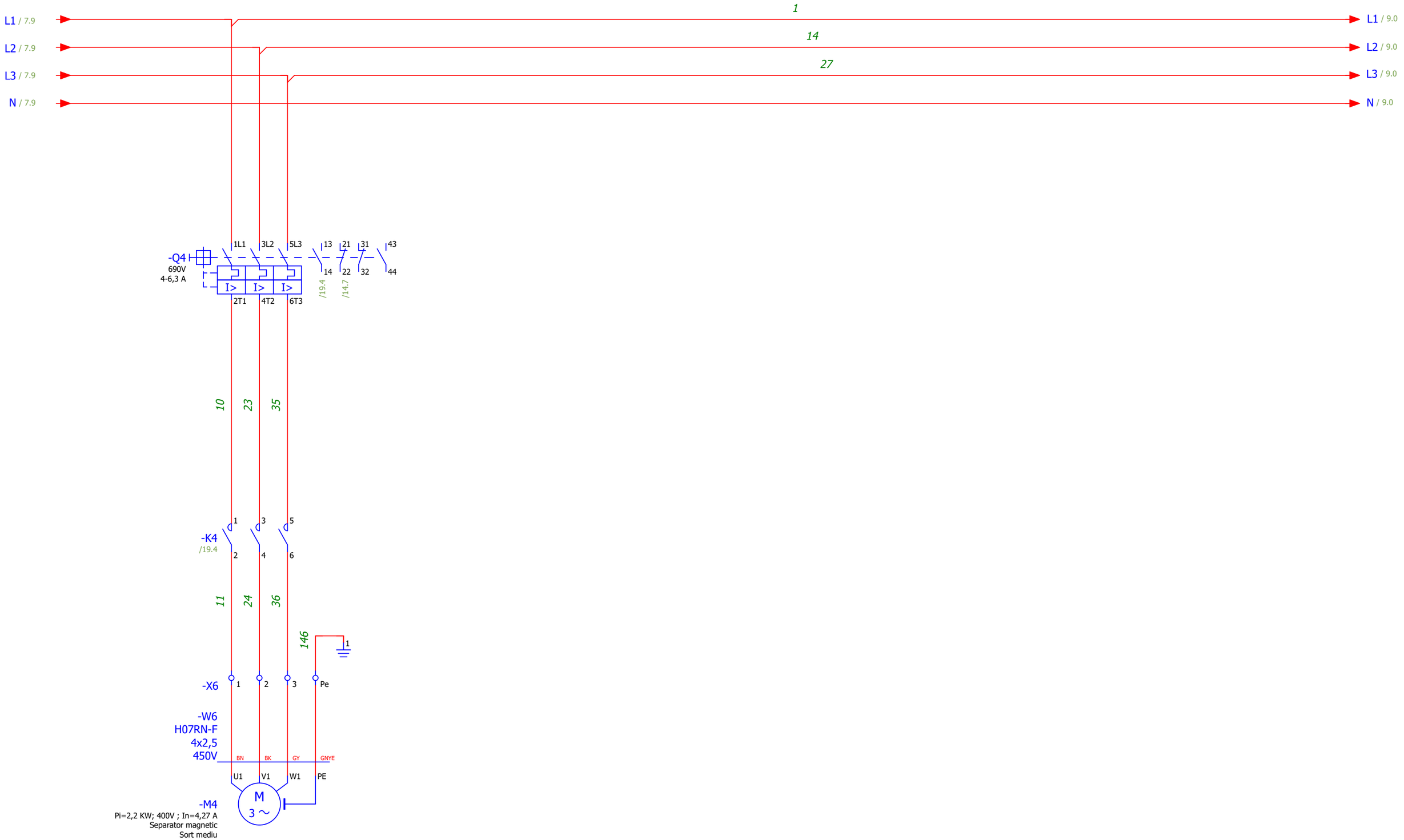

5 7

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | Alim_M2 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 6 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 6 / 40 |



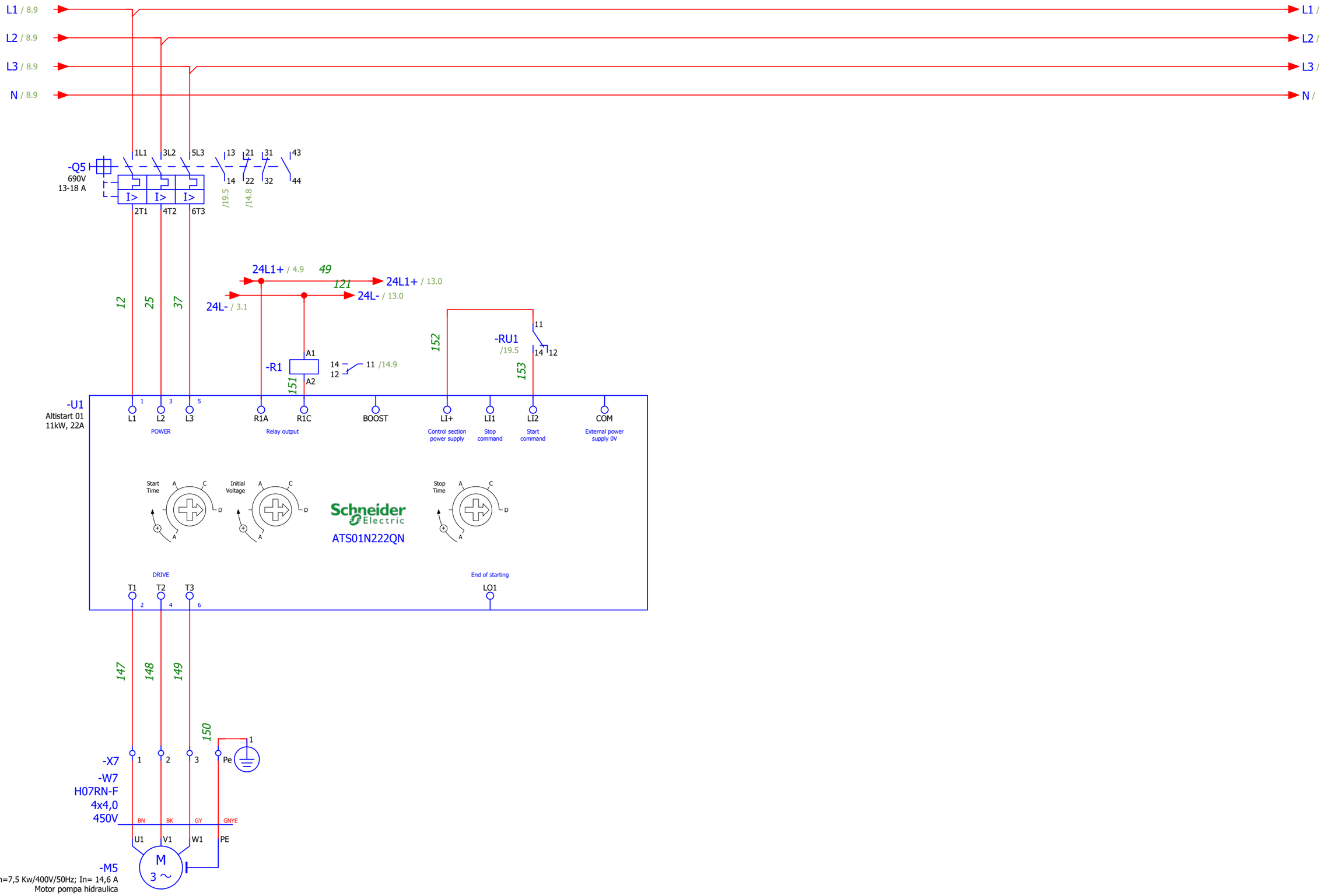

6 8

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | | Sc TEHNIMARKET Srl | Alim_M3 | | = CA1 |
| | | | Ed | Nelu | | | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | | IEC_bas001 | Page 7 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 7 / 40 |




7 9

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | Alim_M4 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 8 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 8 / 40 |

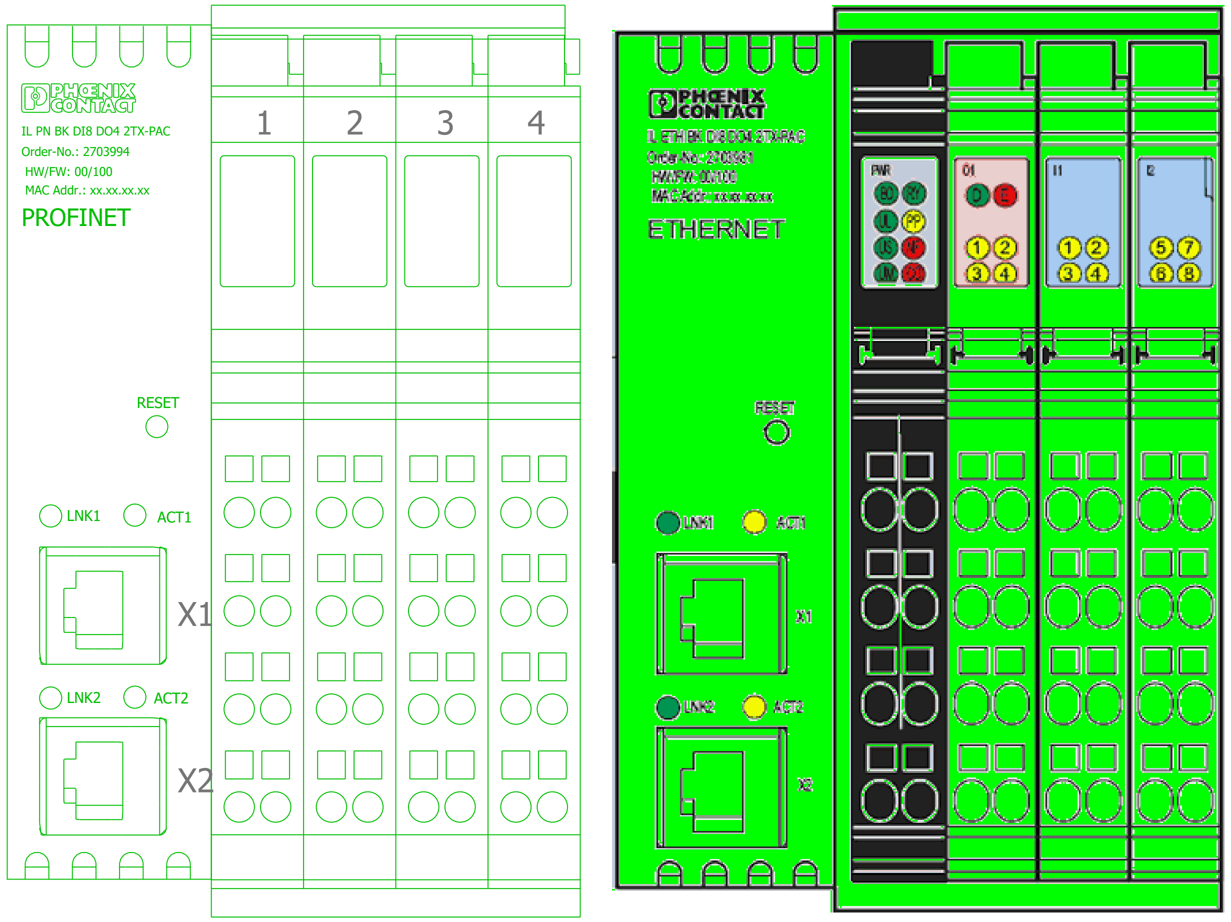



8

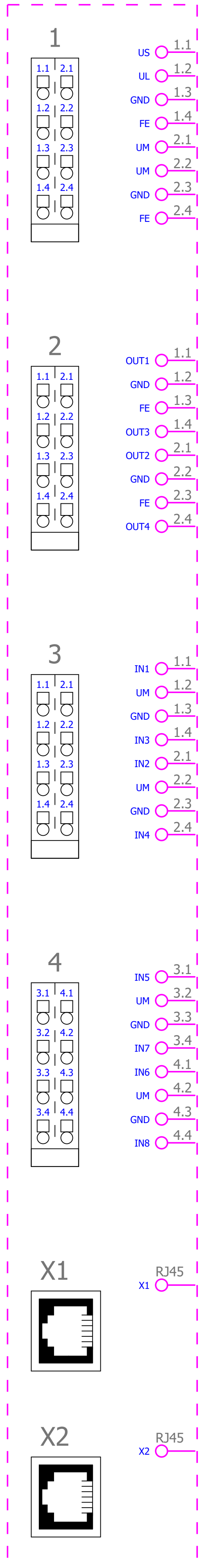
10

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | Alim_M5 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 9 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 9 / 40 |

# -A0



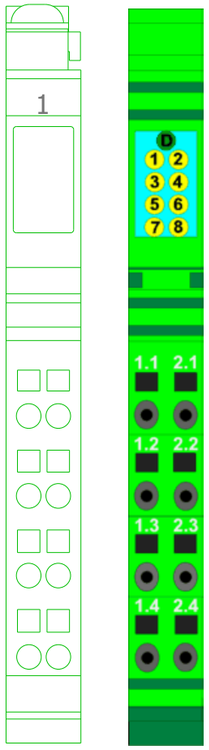

IL PN BK DI8 DO4 2TX-PAC



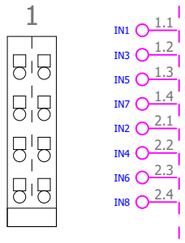

| Address: | Function text: | Symbolic Address: | Crossreference: |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Q1.4 | | | |
| | | | |
| | | | |
| Q1.5 | | | |
| Q1.6 | | | |
| | | | |
| | | | |
| Q1.7 | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| I2.0 | Confirmare | Safety relay OK | /4.9 |
| | | | |
| | | | |
| I2.1 | | | |
| I2.2 | | | |
| | | | |
| | | | |
| I2.3 | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| I2.4 | | | |
| | | | |
| | | | |
| I2.5 | | | |
| I2.6 | | | |
| | | | |
| | | | |
| I2.7 | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

PHOENIX CONTACT

# -A1



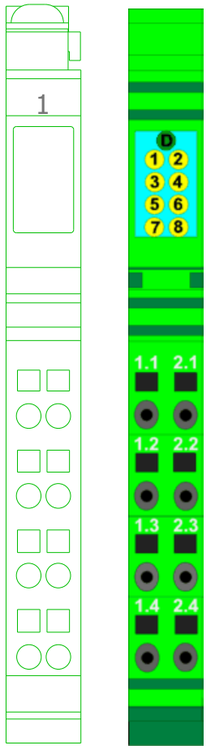

IB IL 24 DI8/HD-PAC



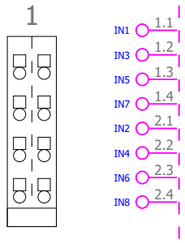

| | | | |
|---|---|---|---|
| I1.0 | Selector Man | MANUAL | /14.0 |
| I1.1 | Selector Aut | AUTOMAT | /14.2 |
| I1.2 | Monitorizare_RM | Secvnta_faza | /14.3 |
| I1.3 | Fault M1 | Defect_M1 | /14.4 |
| I1.4 | Fault M2 | Defect_M2 | /14.5 |
| I1.5 | Fault M3 | Defect_M3 | /14.6 |
| I1.6 | Fault M4 | Defect_M4 | /14.7 |
| I1.7 | Fault M5 | Defect_M5 | /14.8 |

PHOENIX CONTACT

# -A2




## IB IL 24 DI8/HD-PAC



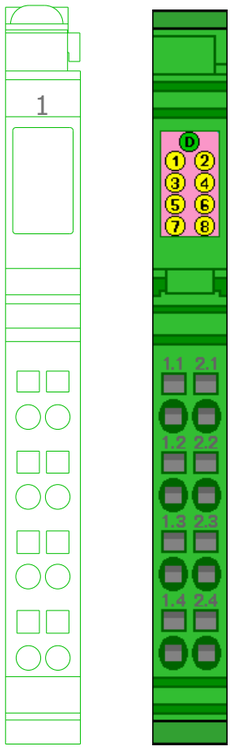

| | | | |
|---|---|---|---|
| I7.5 | Buton urgenta | BU0_pe T.E. | /15.1 |
| I7.6 | Buton urgenta | BU1 | /15.2 |
| I7.7 | Buton urgenta | BU2 | /15.3 |
| I8.0 | Buton urgenta | BU3 | /15.4 |
| I8.1 | Buton urgenta | BU4 | /15.6 |
| I8.2 | Buton urgenta | BU5 | /15.7 |
| I8.3 | | | |
| I8.4 | | | |



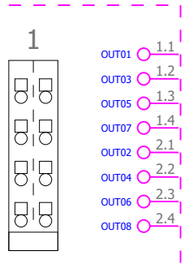
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 11.a |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 12 / 40 |

PHOENIX CONTACT

# -A3




## IB IL 24 DO 8/HD-ECO




| | | | |
|---|---|---|---|
| Q0.4 | Comanda | Cmd_start_M1 | /16.1 |
| Q0.5 | Comanda | Cmd_start_M2 | /16.2 |
| Q0.6 | Comanda | Cmd_start_M3 | /16.3 |
| Q0.7 | Comanda | Cmd_start_M4 | /16.4 |
| Q1.0 | Comanda | Cmd_start_M5 | /16.5 |
| Q1.1 | Comanda | Cmd_valve_forward | /16.6 |
| Q1.2 | Comanda | Cmd_valve_backword | /16.7 |
| Q1.3 | Comanda | Cmd_turn_GREEN_auto_run | /16.9 |

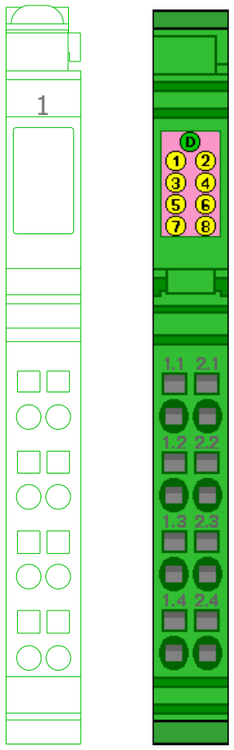
11.a

12.a

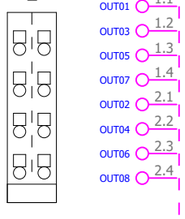
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | PLC | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 12 |
| | | | | | | | | Page 13 / 40 |

PHOENIX CONTACT

# -A4




## IB IL 24 DO 8/HD-ECO



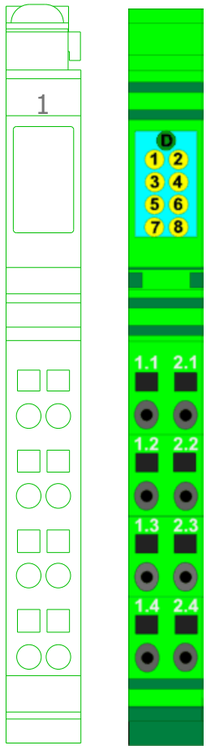

| | | | |
|---|---|---|---|
| Q3.0 | Comanda | Cmd_turn_rosu_fault | /17.1 |
| Q3.1 | Comanda | Cmd_turn_albastru_full_container | /17.2 |
| Q3.2 | Semnalizare | Semn_lampa_yello_80%_load | /17.3 |
| Q3.3 | Semnalizare | Semn_lampa_100%_load | /17.4 |
| Q3.4 | Semnalizare_sonora | Semn_hupa_start_linie | /17.5 |
| Q3.5 | Semnalizare_sonora | Semn_hupa_fault | /17.6 |
| Q3.6 | | | |
| Q3.7 | | | |



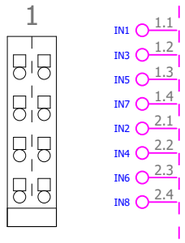
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 12.a |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 14 / 40 |

PHOENIX CONTACT

# -A5



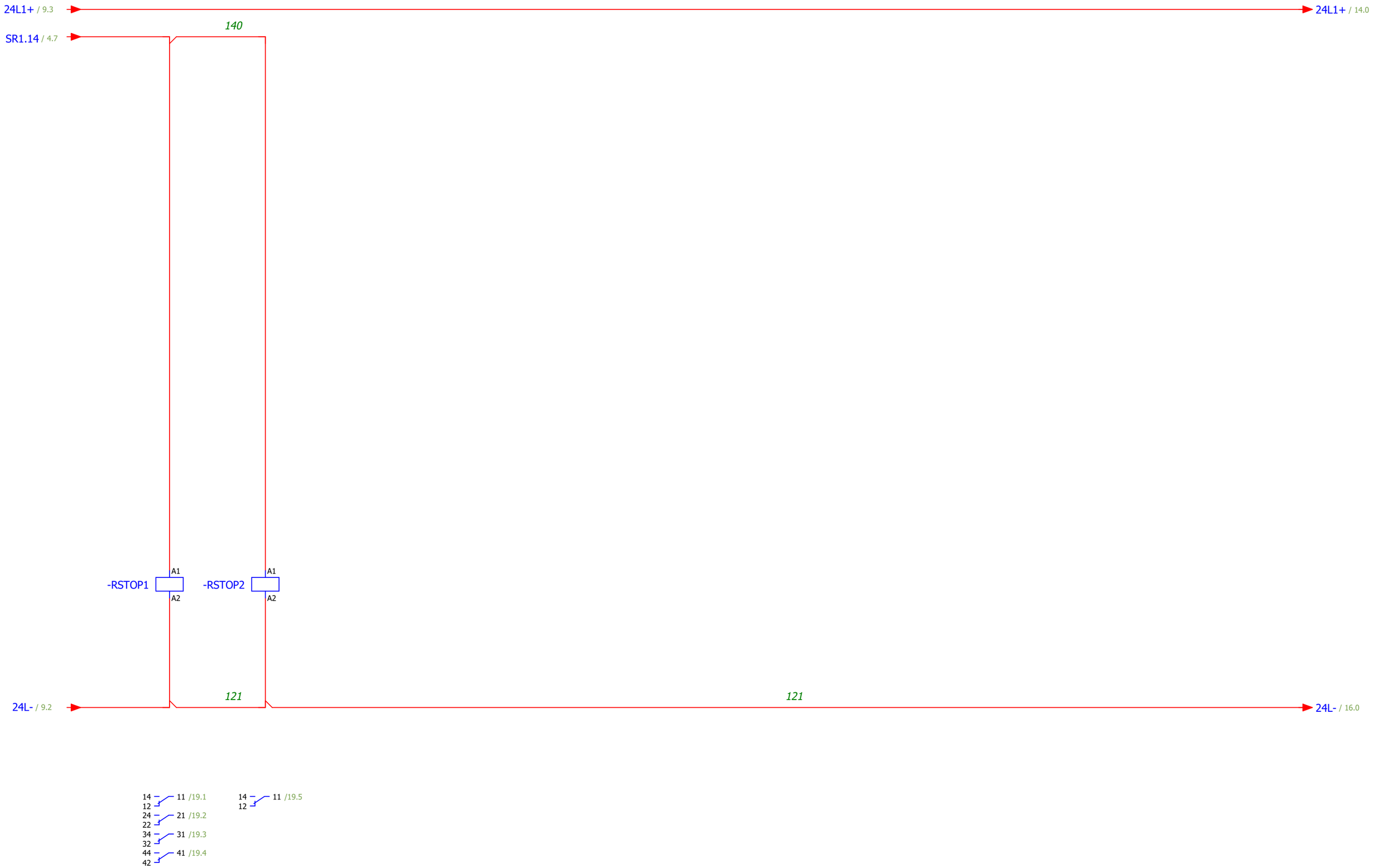

## IB IL 24 DI8/HD-PAC




| | | | |
|---|---|---|---|
| I8.5 | Comanda manuala | BWD | /19.6 |
| I8.6 | Comanda manuala | FWD | /19.7 |
| I8.7 | Level sensor | Oil sensor | /20.4 |
| I9.0 | Pressure switch | 180 bar | /20.6 |
| I9.1 | Pressure switch | 160 bar | /20.7 |
| I9.2 | Conf_cont_lipit_de_presa | Senzor_inductiv | /21.1 |
| I9.3 | Conf_cont_lipit_de_presa | Senzor_inductiv | /21.3 |
| I9.4 | | | |

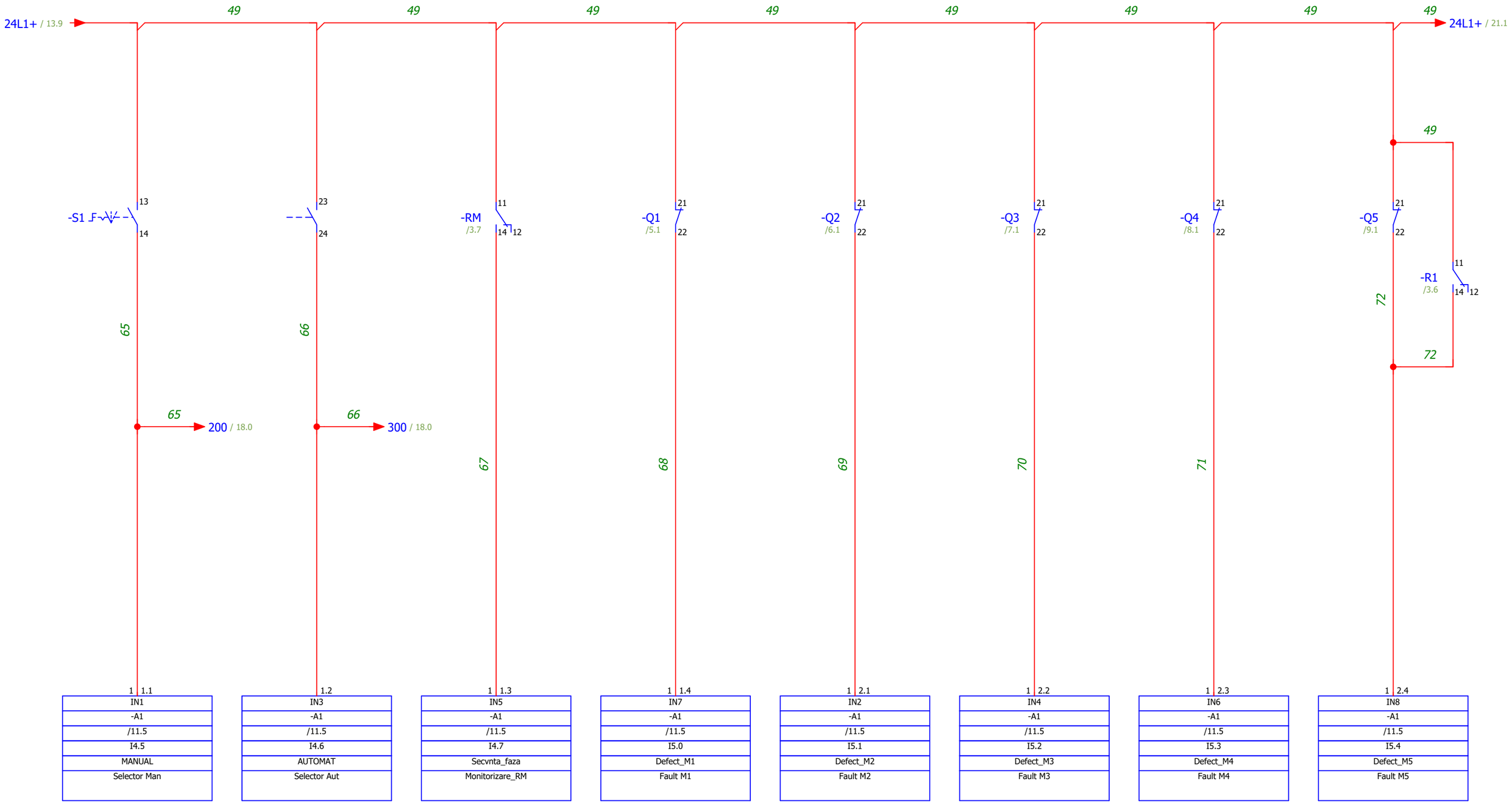


| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 12.b |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 15 / 40 |





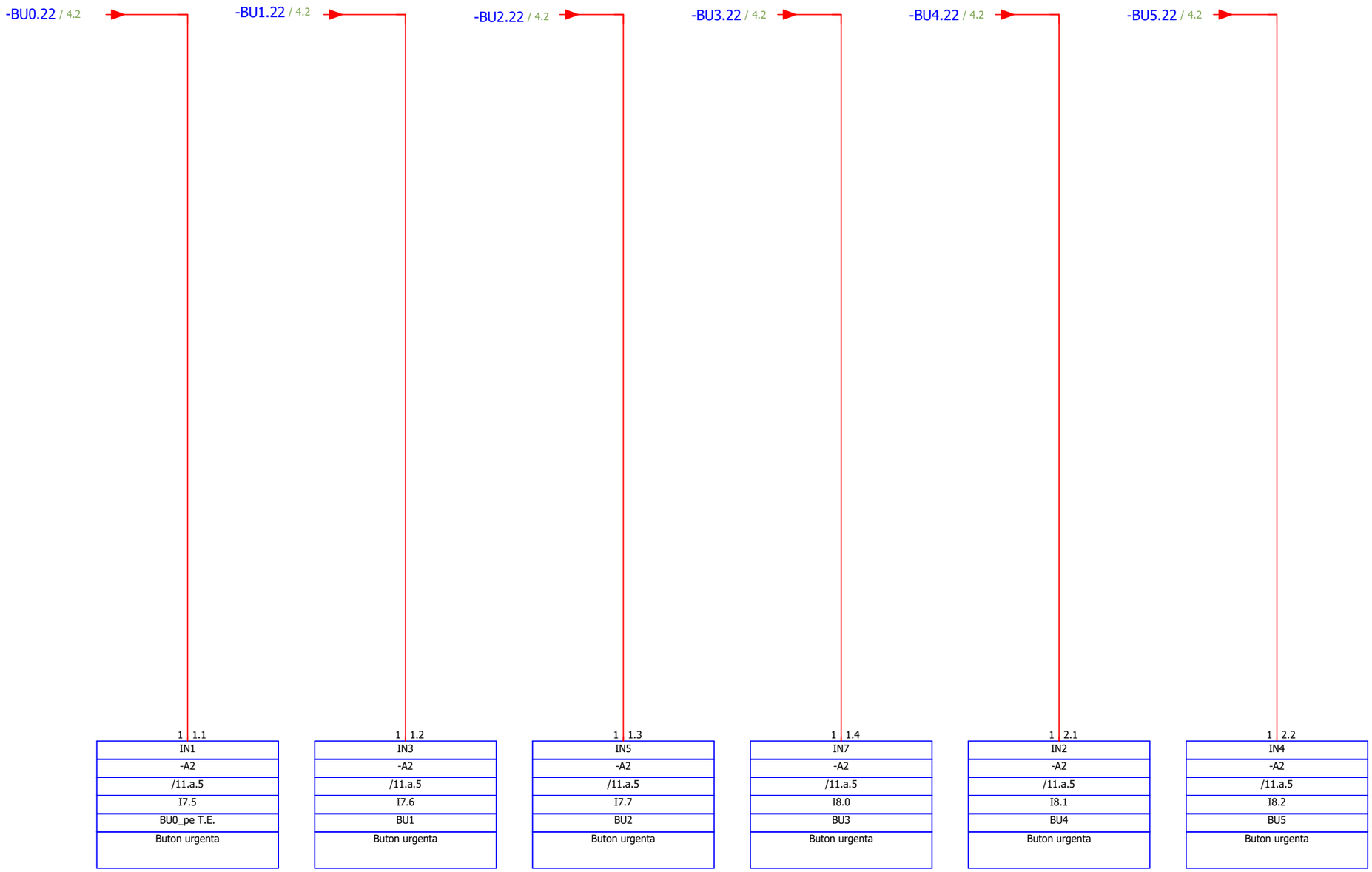

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | Rel_Stop | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 13 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 16 / 40 |

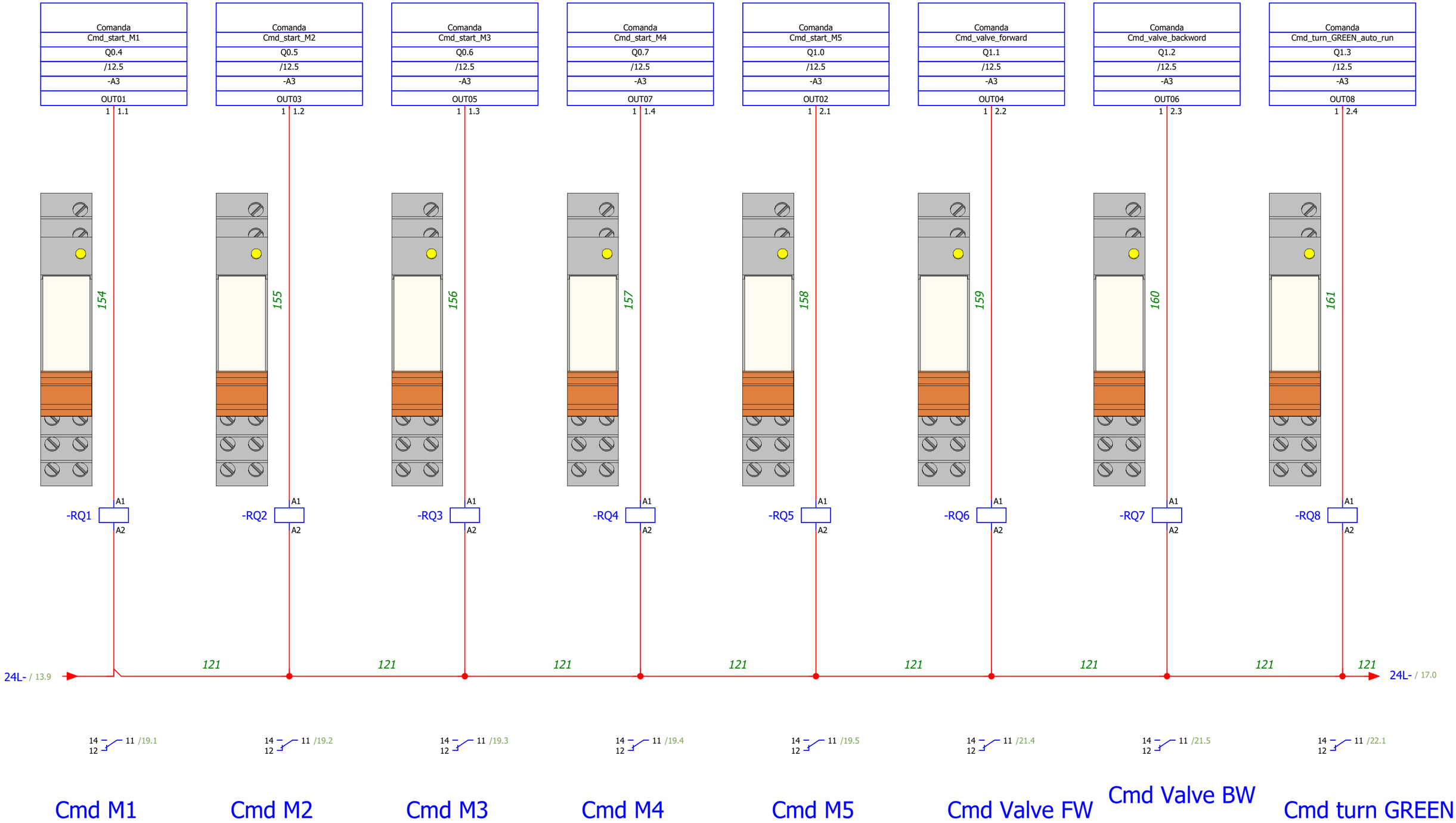



13

15

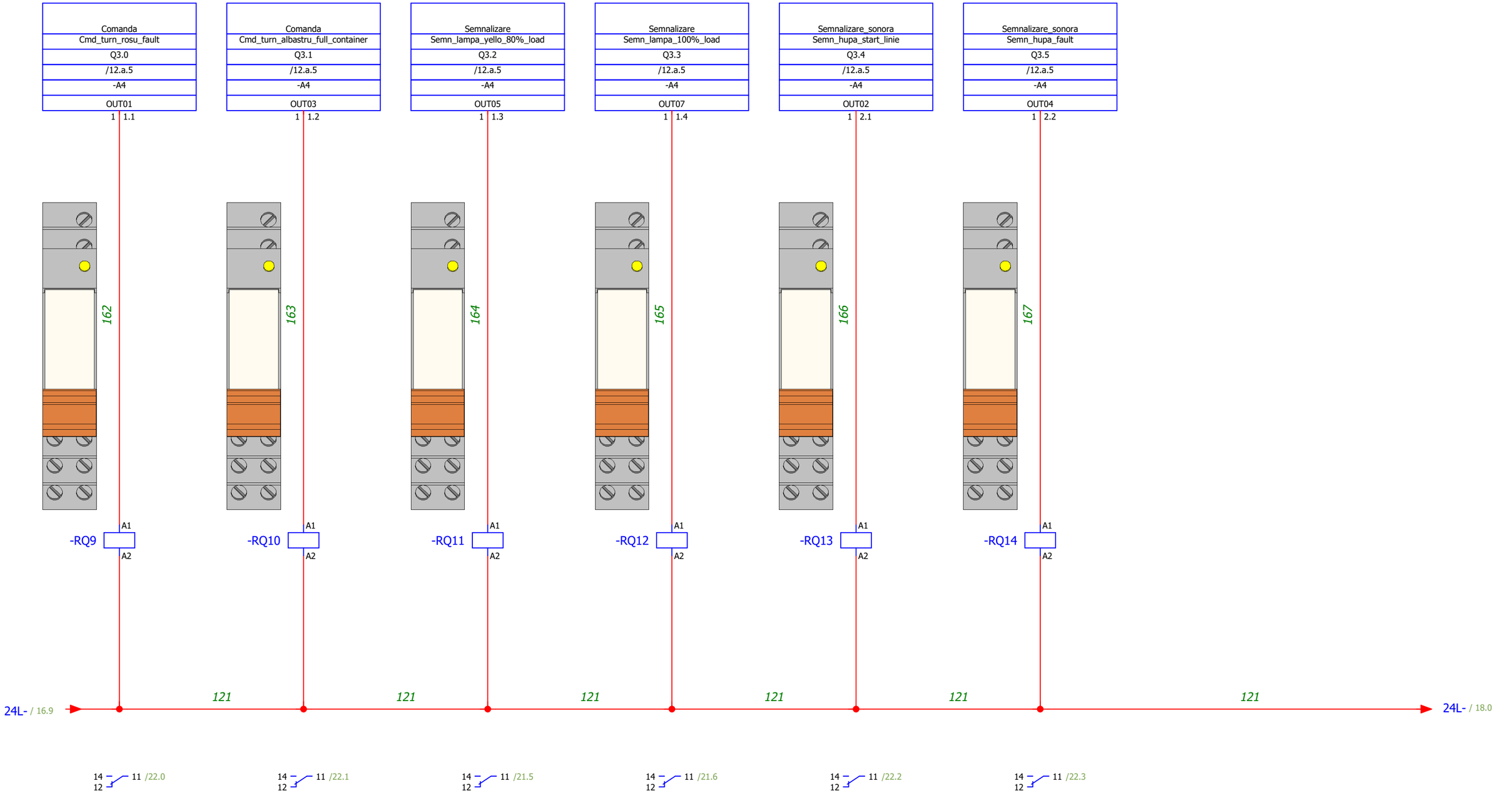
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | I/O | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 14 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 17 / 40 |


-BU0.22 / 4.2
-BU1.22 / 4.2
-BU2.22 / 4.2
-BU3.22 / 4.2
-BU4.22 / 4.2
-BU5.22 / 4.2
1 1.1
IN1
-A2
/11.a.5
I7.5
BU0_pe T.E.
Buton urgenta
1 1.2
IN3
-A2
/11.a.5
I7.6
BU1
Buton urgenta
1 1.3
IN5
-A2
/11.a.5
I7.7
BU2
Buton urgenta
1 1.4
IN7
-A2
/11.a.5
I8.0
BU3
Buton urgenta
1 2.1
IN2
-A2
/11.a.5
I8.1
BU4
Buton urgenta
1 2.2
IN4
-A2
/11.a.5
I8.2
BU5
Buton urgenta



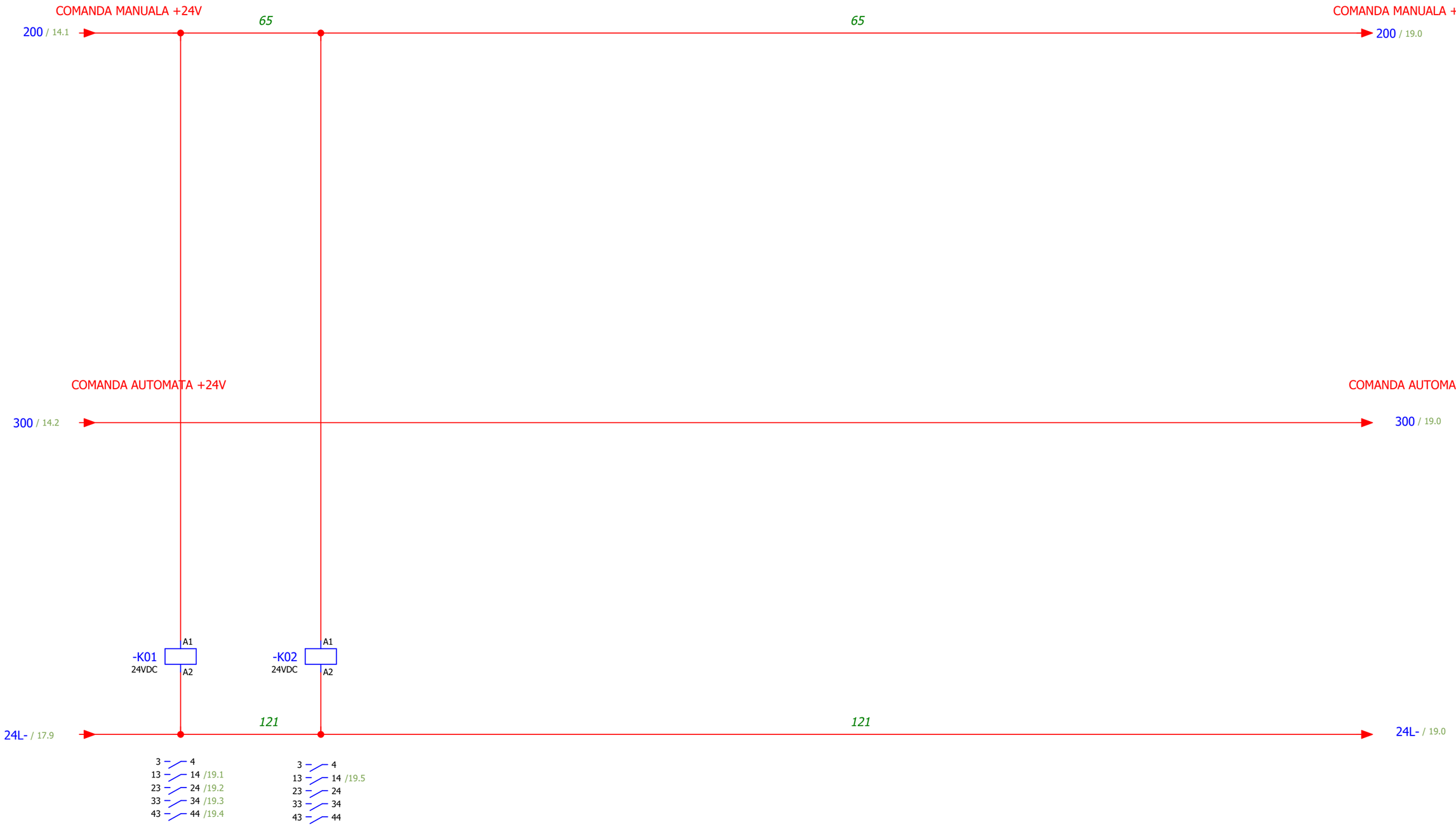



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | I/0 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 16 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 19 / 40 |



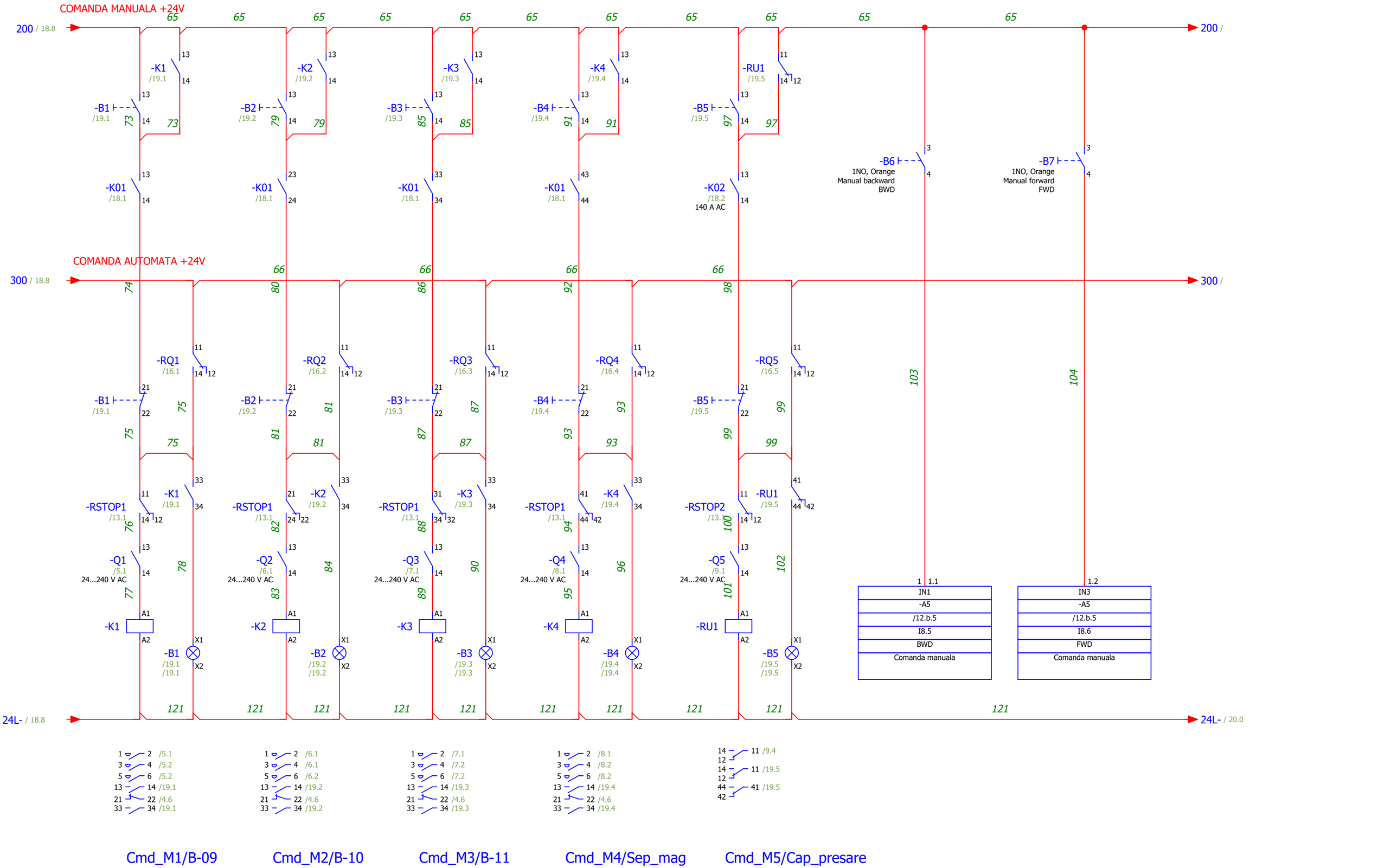



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | I/O | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 17 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 20 / 40 |





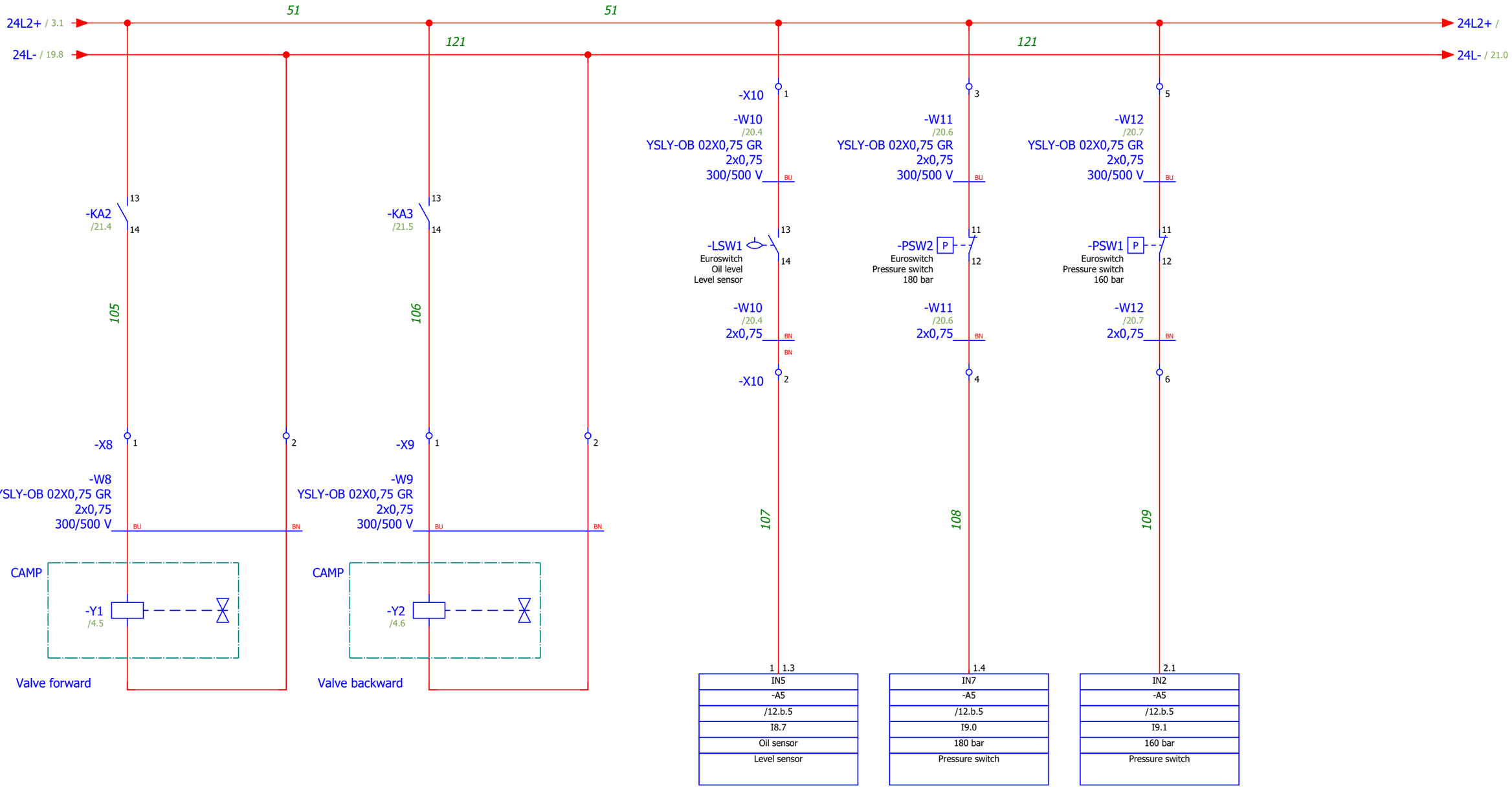

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | Cmd man | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 18 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 21 / 40 |




18

20

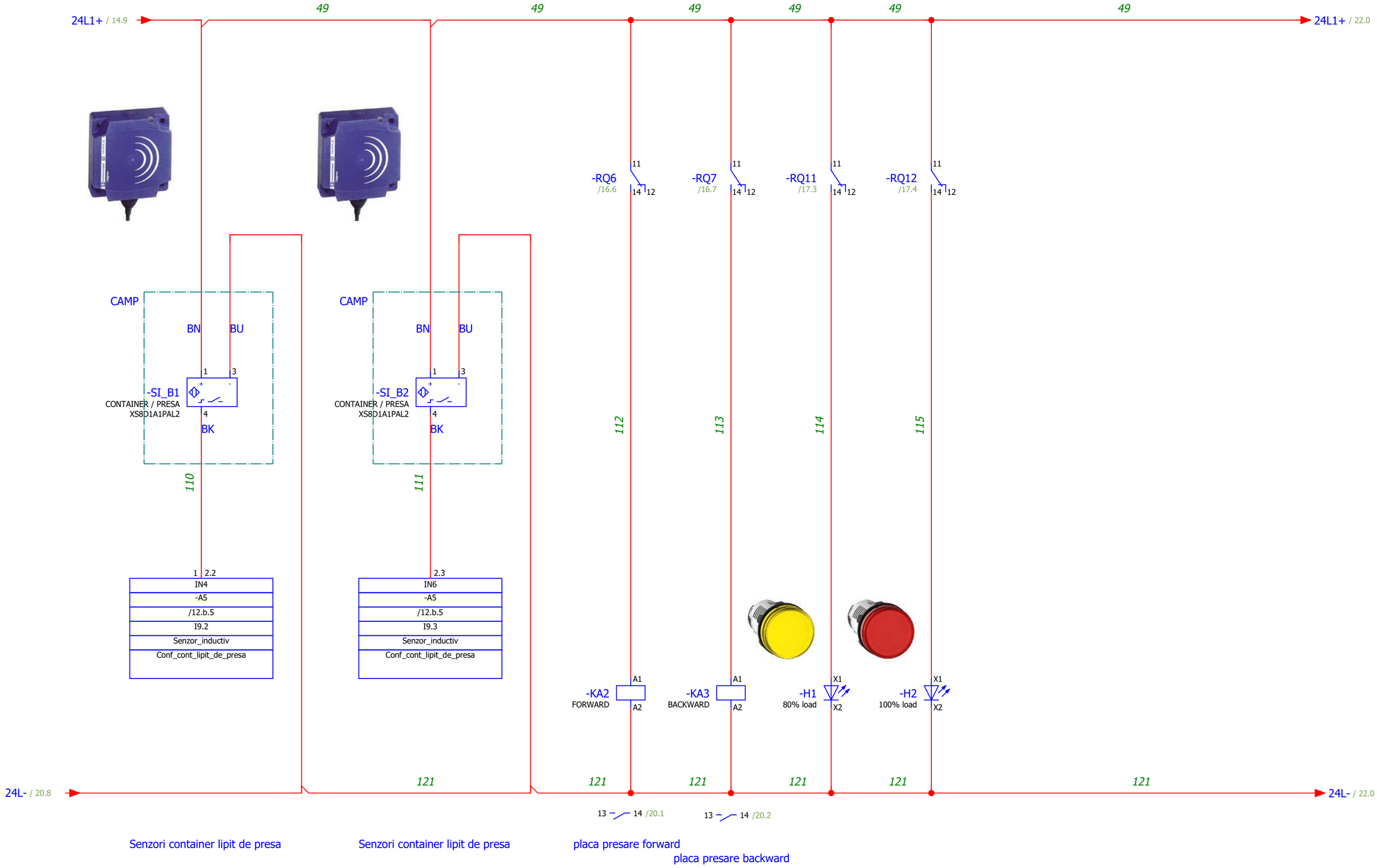
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | Cmd man | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 19 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 22 / 40 |





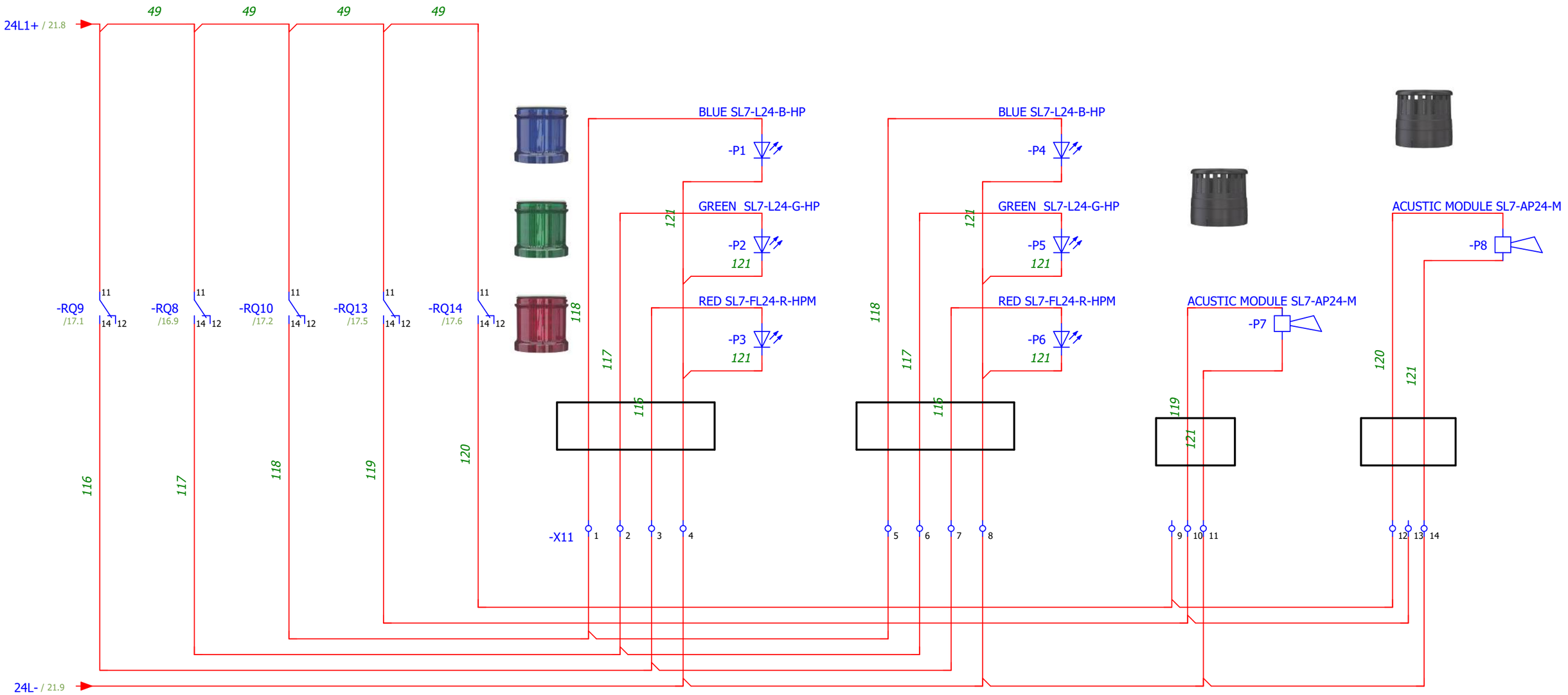

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | Cmd hidraulica | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 20 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 23 / 40 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | I/O_Senzori_inductivi | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 21 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 24 / 40 |




Notatii pe cablu de la turn luminos, verde galben-comun/ 1-albastru/2-verde/3-rosu

Notatii pe cablu de la turn sonor, verde galben-comun/ 1- sonor

## Turnuri semnalizare amplasate pe T.E

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| | 0 | | | | |
| -A0 | 1 | Bus coupler | IL PN BK DI8 DO4 2TX-PAC | PXC | PXC.2703994 |
| -A0 | 0 | | | | |
| -A1 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A2 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A3 | 1 | Inline terminal | IB IL 24 DO 8/HD-ECO | | PXC.2702793 |
| -A4 | 1 | Inline terminal | IB IL 24 DO 8/HD-ECO | | PXC.2702793 |
| -A5 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A8 | 0 | | | | |
| -A9 | 0 | | | | |
| -A10 | 0 | | | | |
| -A? | 0 | | | | |
| -B1 | 1 | Double actuator pushbutton, +indicator light, green I/white/red 0 | M22-DDL-GR-X1/X0 | ETN | ETN.M22-DDL-GR-X1/X0 |
| -B2 | 1 | Double actuator pushbutton, +indicator light, green I/white/red 0 | M22-DDL-GR-X1/X0 | ETN | ETN.M22-DDL-GR-X1/X0 |
| -B3 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B4 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B5 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B6 | 1 | Button | XA2EA51 | SE | SE.XA2EA51 |
| -B7 | 1 | Button | XA2EA51 | SE | SE.XA2EA51 |
| -BU0 | 1 | Emergency-stop pushbutton, non-illuminated, turn-release | M22-PVT | ETN | ETN.M22-PVT |
| -BU0 | 1 | Contact element, 1N/O+1N/C, front mount, screw connection | M22-AK11 | ETN | ETN.M22-AK11 |
| -BU0 | 0 | | | | |
| -BU1 | 0 | | | | |
| -BU2 | 0 | | | | |
| -BU3 | 0 | | | | |
| -BU4 | 0 | | | | |
| -BU5 | 0 | | | | |
| -F0 | 1 | Switch-disconnector Compact INS100 - 4 poles - 100 A | 28909 | SE | SE.28909 |
| -F1/1 | 1 | Over current switch, 32A, 4p, B-Char, AC | FAZ-B32/4 | ETN | ETN.FAZ-B32/4 |
| -F2 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F3.1 | 1 | Over current switch, 6A, 1p, C-Char, DC current | PXL-C6-DC | ETN | ETN.PXL-C6-DC |
| -F3.2 | 1 | Over current switch, 6A, 1p, C-Char, DC current | PXL-C6-DC | ETN | ETN.PXL-C6-DC |
| -F4 | 1 | Over current switch, 6A, 1Np, C-Char, AC | FAZ-PN-C6/1N | ETN | ETN.FAZ-PN-C6/1N |
| -F5 | 1 | Over current switch, 16A, 1Np, C-Char, AC | FAZ-PN-C16/1N | ETN | ETN.FAZ-PN-C16/1N |
| -F6 | 1 | Over current switch, 16A, 1Np, C-Char, AC | FAZ-PN-C16/1N | ETN | ETN.FAZ-PN-C16/1N |
| -F7 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F7 | 1 | Over current switch, 6A, 1p, C-Char, AC | PXL-C6/1 | ETN | ETN.PXL-C6/1 |
| -F8 | 1 | Over current switch, 2A, 3p, C-Char, AC | PXL-C2/3 | ETN | ETN.PXL-C2/3 |
| -FAN_TE | 0 | | | | |
| -G1 | 1 | Power supply unit | TRIO-PS/1AC/24DC/10 | PXC | PXC.2866323 |
| -H1 | 1 | Monolithic pilot light Ø 22 - yellow - integral LED - 24 V | | SE | SE.XB7EV05BP |
| -H2 | 1 | Monolithic pilot light Ø 22 - red - integral LED - 24 V | | SE | SE.XB7EV04BP |
| -HL1 | 1 | LED element, white, front mount, 85-264VAC | M22-LED230-W | ETN | ETN.M22-LED230-W |
| -HL1 | 1 | | | | ETN.M22-L-W |
| -HL2 | 1 | LED element, white, front mount, 85-264VAC | M22-LED230-W | ETN | ETN.M22-LED230-W |
| -HL2 | 1 | | | | ETN.M22-L-W |
| -HL3 | 1 | LED element, white, front mount, 85-264VAC | M22-LED230-W | ETN | ETN.M22-LED230-W |
| -HL3 | 1 | | | | ETN.M22-L-W |
| -K1 | 1 | Contactor, 3p+1N/O, 3kW/400V/AC3 | DILM7-10(24VDC) | ETN | ETN.DILM7-10(24VDC) |
| -K1 | 1 | Auxiliary contact module, 1N/O+1N/C | DILM32-XHI11 | ETN | ETN.DILM32-XHI11 |
| -K01 | 1 | Contactor TeSys CAD-50 - 5 NO + 0 NC - 10A - 24 VDC,screw-clamps terminals | CAD 5NO 24VDC | SE | SE.CAD50BD |
| -K2 | 1 | Contactor, 3p+1N/O, 3kW/400V/AC3 | DILM7-10(24VDC) | ETN | ETN.DILM7-10(24VDC) |
| -K2 | 1 | Auxiliary contact module, 1N/O+1N/C | DILM32-XHI11 | ETN | ETN.DILM32-XHI11 |
| -K02 | 1 | Contactor TeSys CAD-50 - 5 NO + 0 NC - 10A - 24 VDC,screw-clamps terminals | CAD 5NO 24VDC | SE | SE.CAD50BD |
| -K3 | 1 | Contactor, 3p+1N/O, 3kW/400V/AC3 | DILM7-10(24VDC) | ETN | ETN.DILM7-10(24VDC) |
| -K3 | 1 | Auxiliary contact module, 1N/O+1N/C | DILM32-XHI11 | ETN | ETN.DILM32-XHI11 |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -K4 | 1 | Contactor, 3p+1N/O, 3kW/400V/AC3 | DILM7-10(24VDC) | ETN | ETN.DILM7-10(24VDC) |
| -K4 | 1 | Auxiliary contact module, 1N/O+1N/C | DILM32-XHI11 | ETN | ETN.DILM32-XHI11 |
| -K5 | 0 | | | | |
| -K6 | 0 | | | | |
| -K7 | 0 | | | | |
| -K8 | 0 | | | | |
| -K9 | 0 | | | | |
| -K10 | 0 | | | | |
| -K11 | 0 | | | | |
| -K12 | 0 | | | | |
| -K13 | 0 | | | | |
| -K14 | 0 | | | | |
| -K15 | 0 | | | | |
| -K16 | 0 | | | | |
| -K17 | 0 | | | | |
| -K18 | 0 | | | | |
| -KA2 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -KA3 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -LP_Tablou1 | 1 | | | | STE.02540.0-03 |
| -LS | 1 | | | | ETN.LS-11 |
| -LSW1 | 0 | | | | |
| -M1 | 0 | | | | |
| -M2 | 0 | | | | |
| -M3 | 0 | | | | |
| -M4 | 0 | | | | |
| -M5 | 0 | | | | |
| -P1 | 1 | | | | ETN.SL7-BL24-B |
| -P2 | 1 | | | | ETN.SL7-BL24-G |
| -P3 | 1 | | | | ETN.SL7-FL24-R |
| -P4 | 1 | | | | ETN.SL7-BL24-B |
| -P5 | 1 | | | | ETN.SL7-BL24-G |
| -P6 | 1 | Flashing light module | SL7-BL24-R | ETN | ETN.SL7-BL24-R |
| -P7 | 1 | Acoustic module | SL7-AP24-M | ETN | ETN.SL7-AP24-M |
| -P8 | 1 | Acoustic module | SL7-AP24-M | ETN | ETN.SL7-AP24-M |
| -PRIZA_SERVICE1 | 0 | | | | |
| -PRIZA_SERVICE2 | 0 | | | | |
| -PSW1 | 0 | | | | |
| -PSW2 | 0 | | | | |
| -Q1 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q1 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q1 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q2 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q2 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q2 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q3 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q3 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q3 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q4 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q4 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q4 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q5 | 1 | Motor circuit breaker, TeSys Deca, 3P, 13-18 A, thermal magnetic, screw clamp terminals | GV2ME20 | SE | SE.GV2ME20 |
| -Q5 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q5 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -R1 | 0 | | | | |
| -R1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RM | 1 | Monitoring relay, 3 phase + neutral AC line monitoring - AC (50/60 Hz) - 380...415 V | 70.41.8.400.2030 | FIN | FIN.70.41.8.400.2030 |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -RQ1 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ2 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ3 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ4 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ5 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ6 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ7 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ8 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ9 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ10 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ11 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ12 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ13 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ14 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RSTOP1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RSTOP2 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -S1 | 1 | Monolithic selector switch - Ø 22 - black - standard handle - 3 positions - 2 NO | | SE | SE.XB7ND33 |
| -SH-SR1 | 1 | Illuminated pushbutton actuator, flush, red, momentary | M22-DL-R | ETN | ETN.M22-DL-R |
| -SH-SR1 | 1 | LED element, red, front mount, 12-30VAC/DC | M22-LED-R | ETN | ETN.M22-LED-R |
| -SI_B1 | 1 | | | | XS618B1PAM12 |
| -SI_B2 | 1 | | | | XS618B1PAM12 |
| -TD | 0 | | | | |
| -Th_1 | 1 | Double Thermostat | NSYCCOTHD | SE | SE.NSYCCOTHD |
| -U1 | 1 | Soft starter for asynchronous motor - ATS01 - 22 A - 380..415 V - 7.5..11 KW | ATS01N222QN | SE | SE.ATS01N222QN |
| -Y1 | 0 | | | | |
| -Y2 | 0 | | | | |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W1 | H07RN-F | | 4 | | 25,00 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | /2.1 | -TD | N | BN | -X1 | 4 | /2.1 | |
| | /2.0 | -TD | L1 | BK | -X1 | 1 | /2.0 | |
| | /2.0 | -TD | L2 | GY | -X1 | 2 | /2.0 | |
| | /2.1 | -TD | L3 | | -X1 | 3 | /2.1 | |

# Cable diagram

F09_001

| Cable name | Cable type | No. of conductors | Cross-section | Cable length | Function text |
|---|---|---|---|---|---|
| =CA1+EAA-W2 | H07RN-F | 4 | 4,0 | | |

| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
|---|---|---|---|---|---|---|---|---|
| | | | | GNYE | | | | |
| | /2.2 | | R | BN | -X1 | 5 | /2.2 | |
| | /2.3 | | S | BK | -X1 | 6 | /2.3 | |
| | /2.3 | | T | GY | -X1 | 7 | /2.3 | |
| | /2.3 | | N | | -X1 | 8 | /2.3 | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | Cable diagram =CA1+EAA-W2 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | |

# Cable diagram

F09_001

| Cable name =CA1+EAA-W3 | Cable type H07RN-F | | No. of conductors 4 | | Cross-section 2,5 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /5.2 | -X3 | Pe | GNYE | -M1 | PE | /5.1 | Banda 1 REST |
| | /5.1 | -X3 | 1 | BN | -M1 | U1 | /5.1 | = |
| | /5.2 | -X3 | 2 | BK | -M1 | V1 | /5.1 | = |
| | /5.2 | -X3 | 3 | GY | -M1 | W1 | /5.1 | = |

# Cable diagram

F09_001

| Cable name<br>=CA1+EAA-W4 | Cable type<br>H07RN-F | | No. of conductors<br>4 | | Cross-section<br>2,5 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /6.2 | -X4 | Pe | GNYE | -M2 | PE | /6.1 | Banda 2 REST |
| | /6.1 | -X4 | 1 | BN | -M2 | U1 | /6.1 | = |
| | /6.1 | -X4 | 2 | BK | -M2 | V1 | /6.1 | = |
| | /6.2 | -X4 | 3 | GY | -M2 | W1 | /6.1 | = |

# Cable diagram

F09_001

| Cable name | Cable type | No. of conductors | Cross-section | Cable length | Function text |
|---|---|---|---|---|---|
| =CA1+EAA-W5 | H07RN-F | 4 | 2,5 | | |

| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
|---|---|---|---|---|---|---|---|---|
| | /7.2 | -X5 | Pe | GNYE | -M3 | PE | /7.1 | Banda evacuare REST |
| | /7.1 | -X5 | 1 | BN | -M3 | U1 | /7.1 | = |
| | /7.2 | -X5 | 2 | BK | -M3 | V1 | /7.1 | = |
| | /7.2 | -X5 | 3 | GY | -M3 | W1 | /7.1 | = |

# Cable diagram

F09_001

| Cable name =CA1+EAA-W6 | Cable type H07RN-F | | No. of conductors 4 | | Cross-section 2,5 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /8.2 | -X6 | Pe | GNYE | -M4 | PE | /8.1 | Separator magnetic |
| | /8.1 | -X6 | 1 | BN | -M4 | U1 | /8.1 | = |
| | /8.2 | -X6 | 2 | BK | -M4 | V1 | /8.1 | = |
| | /8.2 | -X6 | 3 | GY | -M4 | W1 | /8.1 | = |

# Cable diagram

F09_001

| Cable name | Cable type | No. of conductors | Cross-section | Cable length | Function text |
|---|---|---|---|---|---|
| =CA1+EAA-W7 | H07RN-F | 4 | 4,0 | | |

| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
|---|---|---|---|---|---|---|---|---|
| | /9.2 | -X7 | Pe | GNYE | -M5 | PE | /9.1 | Motor pompa hidraulica |
| | /9.1 | -X7 | 1 | BN | -M5 | U1 | /9.1 | = |
| | /9.1 | -X7 | 2 | BK | -M5 | V1 | /9.1 | = |
| | /9.1 | -X7 | 3 | GY | -M5 | W1 | /9.1 | = |

# Cable diagram

F09_001

| Cable name =CA1+EAA-W8 | Cable type YSLY-OB 02X0,75 GR | | No. of conductors 2 | | Cross-section 0,75 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /20.1 | -X8 | 1 | BU | -Y1 | | /20.1 | |
| | /20.2 | -X8 | 2 | BN | -Y1 | | /20.1 | |

# Cable diagram

F09_001

| Cable name =CA1+EAA-W9 | Cable type YSLY-OB 02X0,75 GR | | No. of conductors 2 | | Cross-section 0,75 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /20.2 | -X9 | 1 | BU | -Y2 | | /20.2 | |
| | /20.3 | -X9 | 2 | BN | -Y2 | | /20.2 | |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W10 | YSLY-OB 02X0,75 GR | | 2 | | 0,75 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /20.4 | -X10 | 1 | BU | -LSW1 | 13 | /20.4 | Oil level |
| | /20.4 | -X10 | 2 | BN | -LSW1 | 14 | /20.4 | = |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W11 | YSLY-OB 02X0,75 GR | | 2 | | 0,75 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /20.6 | -X10 | 3 | BU | -PSW2 | 11 | /20.6 | Pressure switch |
| | /20.6 | -X10 | 4 | BN | -PSW2 | 12 | /20.6 | = |



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 07/04/2023 | EPLAN | Sc TEHNIMARKET Srl | Cable diagram =CA1+EAA-W11 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_evacuare si compactare REST | | | IEC_bas001 | Page 34 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 39 / 40 |

# Cable diagram

F09_001

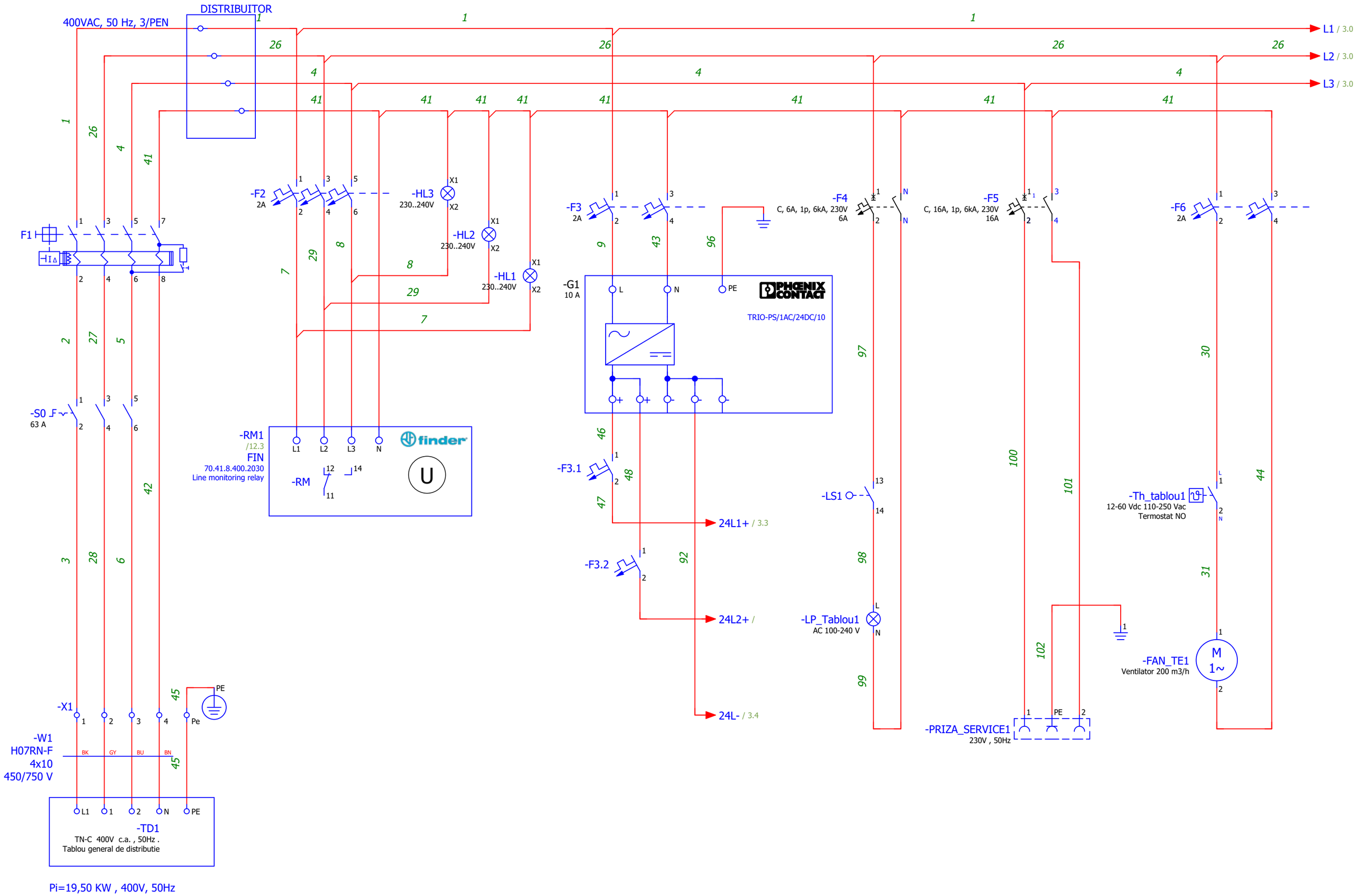
| Cable name =CA1+EAA-W12 | Cable type YSLY-OB 02X0,75 GR | | No. of conductors 2 | | Cross-section 0,75 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /20.7 | -X10 | 5 | BU | -PSW1 | 11 | /20.7 | Pressure switch |
| | /20.7 | -X10 | 6 | BN | -PSW1 | 12 | /20.7 | = |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Sc TEHNIMARKET srl

Str.ARCADIE SEPTILICI Nr. 1C
600234 Bacau
Phone

| | |
|---|---|
| Company / customer | Statie Sortare ROIESTI |
| Project description | TE_Perforator PET |
| Job number | IEC_bas001 |
| Commission | EPLAN |
| Manufacturer (company) | Sc TEHNIMARKET srl |
| Path | EPLAN sample project |
| Project name | TE_5_Perforator PET |
| Make | |
| Type | |
| Place of installation | |
| Responsible for project | Murgulet Ioan |
| Part feature | |

Created on 24/03/2023
Edit date 26/06/2023 by (short name) Nelu
Number of pages 21




| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | | Sc TEHNIMARKET srl | Alim | | = CA1 | |
| | | | Ed | Nelu | | | | | | + EAA | |
| | | | Appr | | TE_Perforator PET | | | | IEC_bas001 | Page | 2 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page | 2 / 21 |

0 1 2 3 4 5 6 7 8 9

L1 / 2.9
L2 / 2.9
L3 / 2.9

L1 / 4.0
L2 / 4.0
L3 / 4.0

-Q1
Ir= 2,5-4 A

-Q2
690V
6-10 A

-Q3
690V
6-10 A

24L1+ / 2.5
24L1+ / 4.3
24L- / 2.5
24L- / 4.3

-K1 /8.7
-K1a /8.8
-K2 /9.4
-K2a /9.5
-K3 /9.6
-K3a /9.7
-Q2 /3.3
-Q3 /3.6

-Q2.1
-Q3.1
TOR

+W(M1)
H07RN-F
70 m
4x1,5
450V
BN BK GY GNYE
U1 V1 W1 PE

-M1
Pi=0,75 KW, Un= 400 V, In=1,75 A, Cos fi=0,74
1440 rpm

-W3
CAMP
H07RN-F
25 m
4x2,5
450V

-M2
Pi=3 kw
400V/Y/I=6,6A

MOTOR 1 PERFORATOR

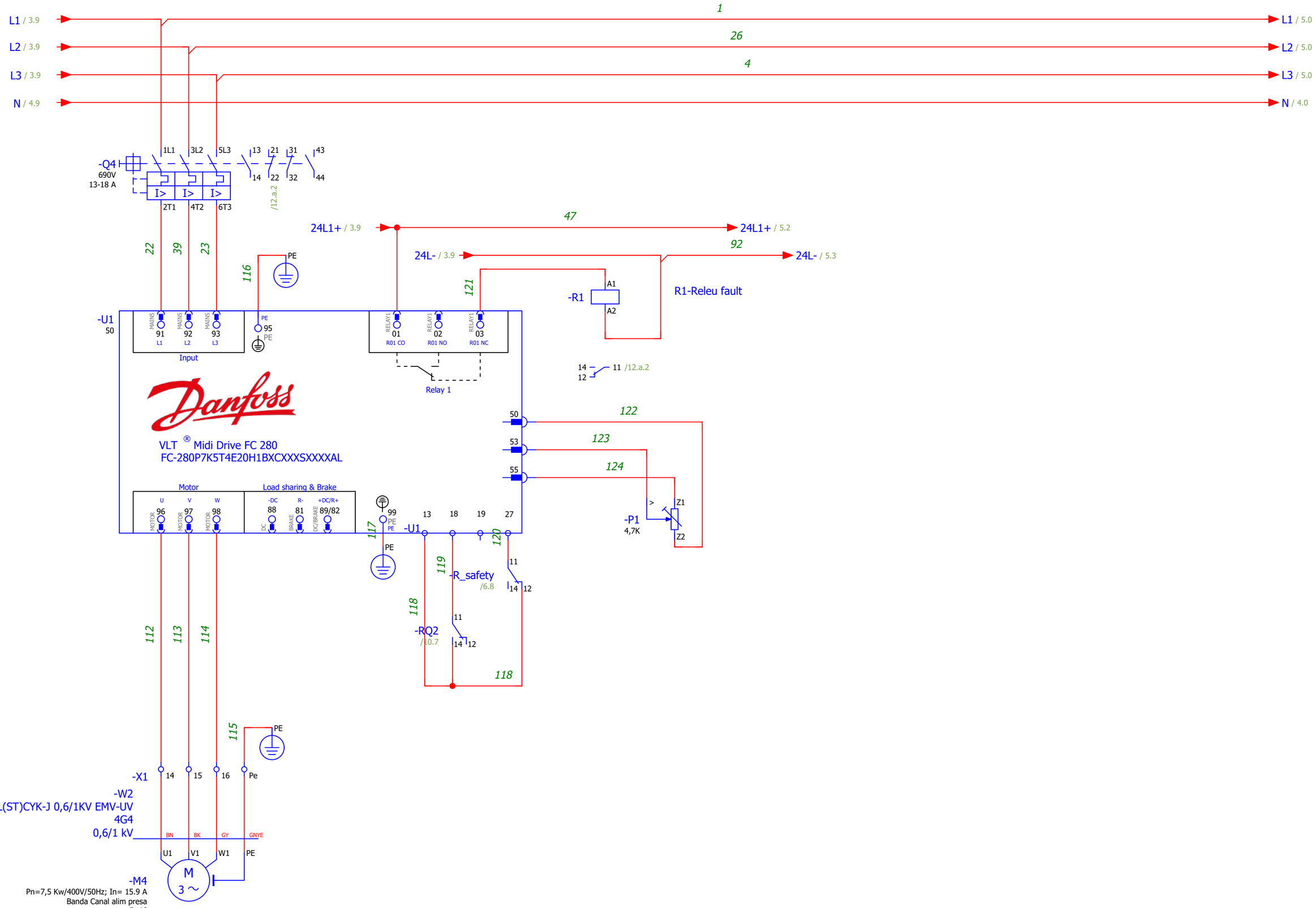
-W4
CAMP
H07RN-F
25 m
4x2,5
450V

-M3
Pi=3 kw
400V/Y/I=6,6A

MOTOR 2 PERFORATOR

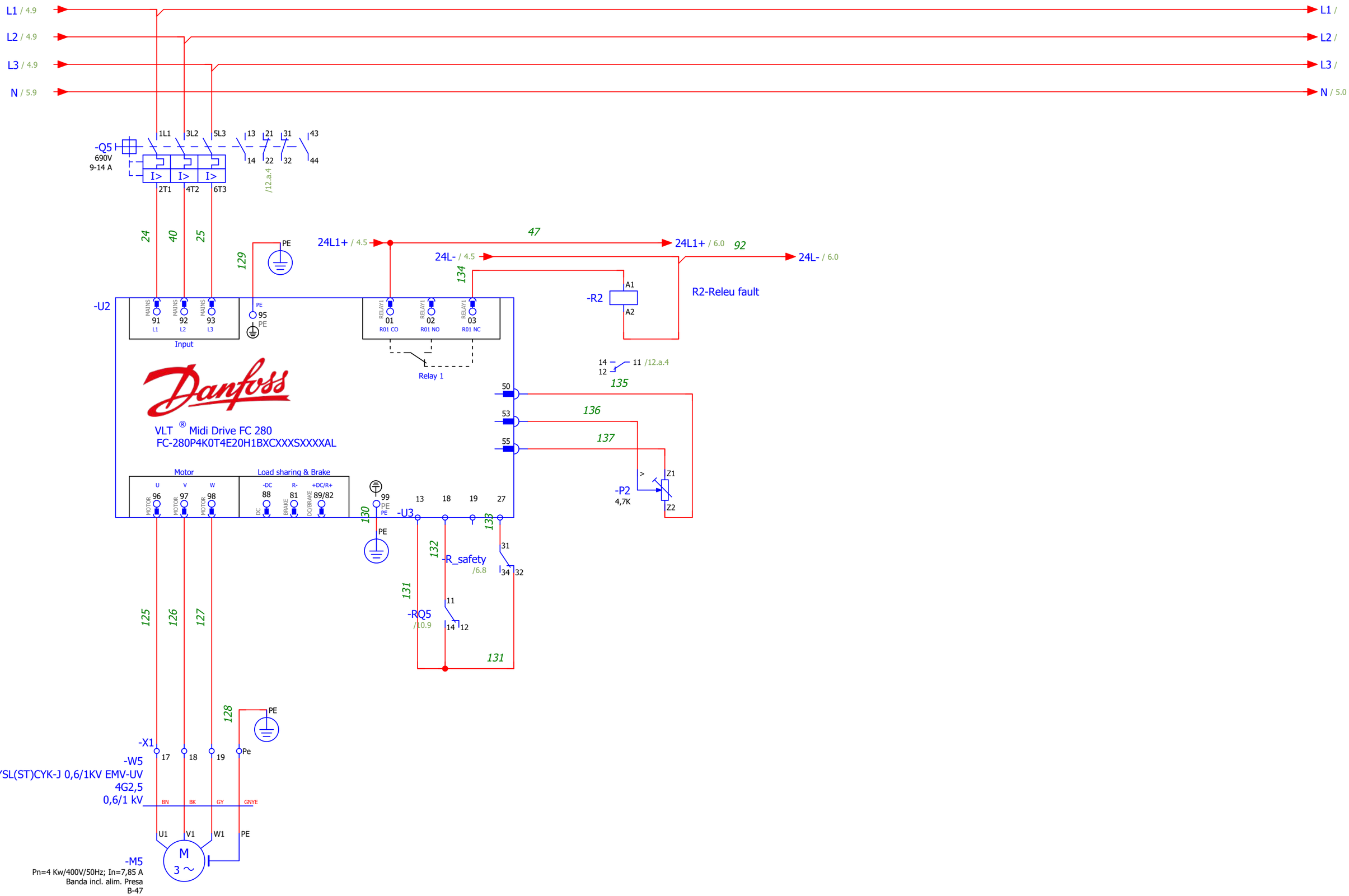
2 4

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | Sc TEHNIMARKET srl | Perf | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Perforator PET | | | IEC_bas001 | Page 3 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 3 / 21 |



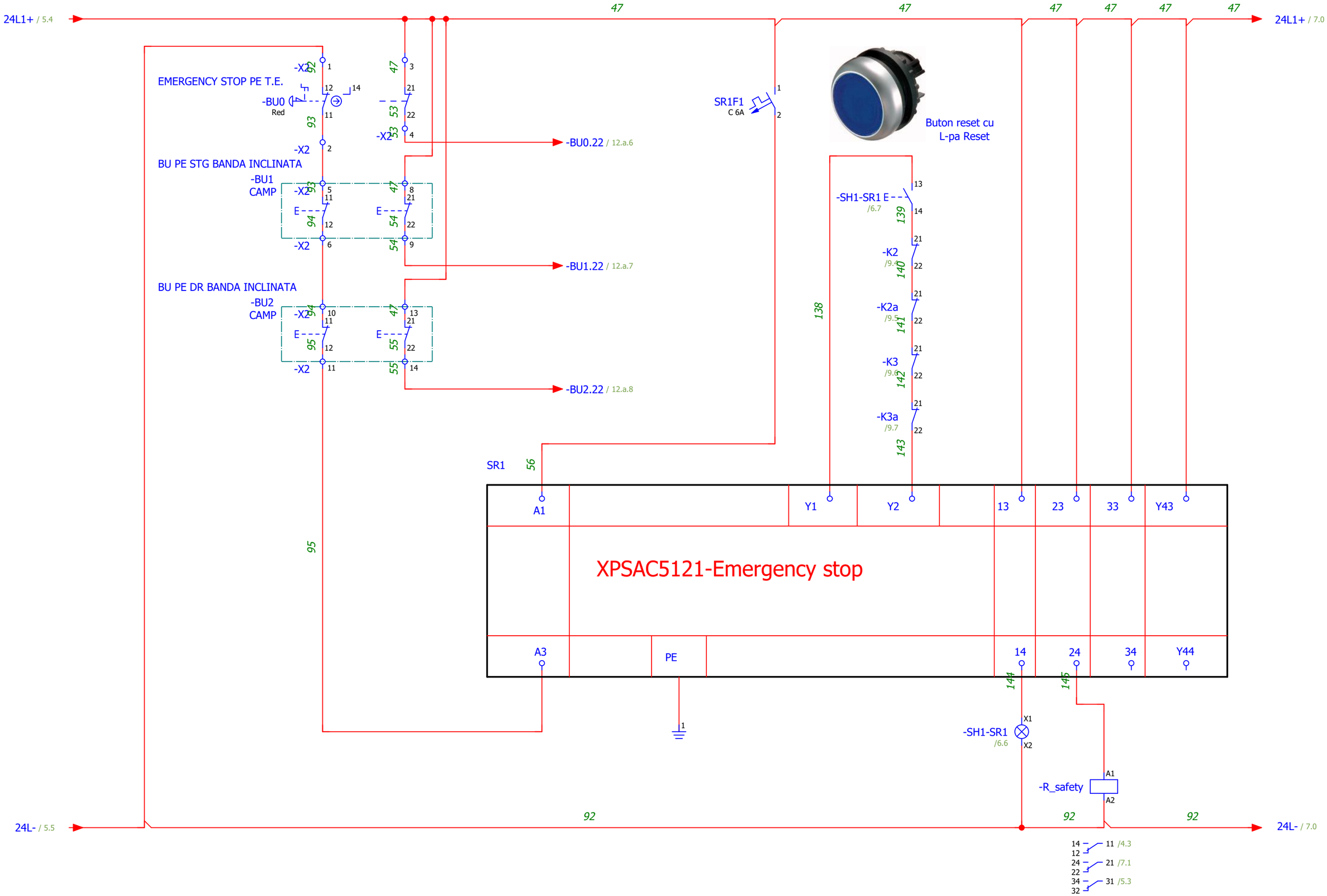

3 5

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | Sc TEHNIMARKET srl | Banda canal | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Perforator PET | | | IEC_bas001 | Page 4 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 4 / 21 |






| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | Sc TEHNIMARKET srl | Banda inclinata | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Perforator PET | | | | IEC_bas001 | Page 5 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 5 / 21 |




5 7

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | Sc TEHNIMARKET srl | Safety relay | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Perforator PET | | | IEC_bas001 | Page 6 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 6 / 21 |

24L1+ / 6.9

47 47 47

24L1+ / 8.0

SR2F2
C 6A

57

-R_safety
/6.8

58

CAMP

-X3

146 146

WT BN

-S14
XCS-DMP59110
Magnetic coded safety switch

147 148

BK BU

-X3

146 147 148 150

151

3 1.1
IN1
-A0
/13.5
I2.0
SR2
Perforator IN safeti relay OK



SR2
24V AC/DC, 8A
XPSUS12AP

A1 A2 S11 S12 S13 Y1 Y2 13 23

AC/DC
DC
POWER-SUPPLY

DC+ CH+ CH+ INPUT

DC+ CH+ START

Schneider Electric

HARMONY

K1
K2

INPUT

DC+ CH+ CH+

B2 S21 S22 S23 Z1 14 24

149

151





59

50 / 10.5

Perforator IN
-H8
X1
X2
VERDE

Perforator OUT
-H9
X1
X2
VERDE

24L- / 6.9

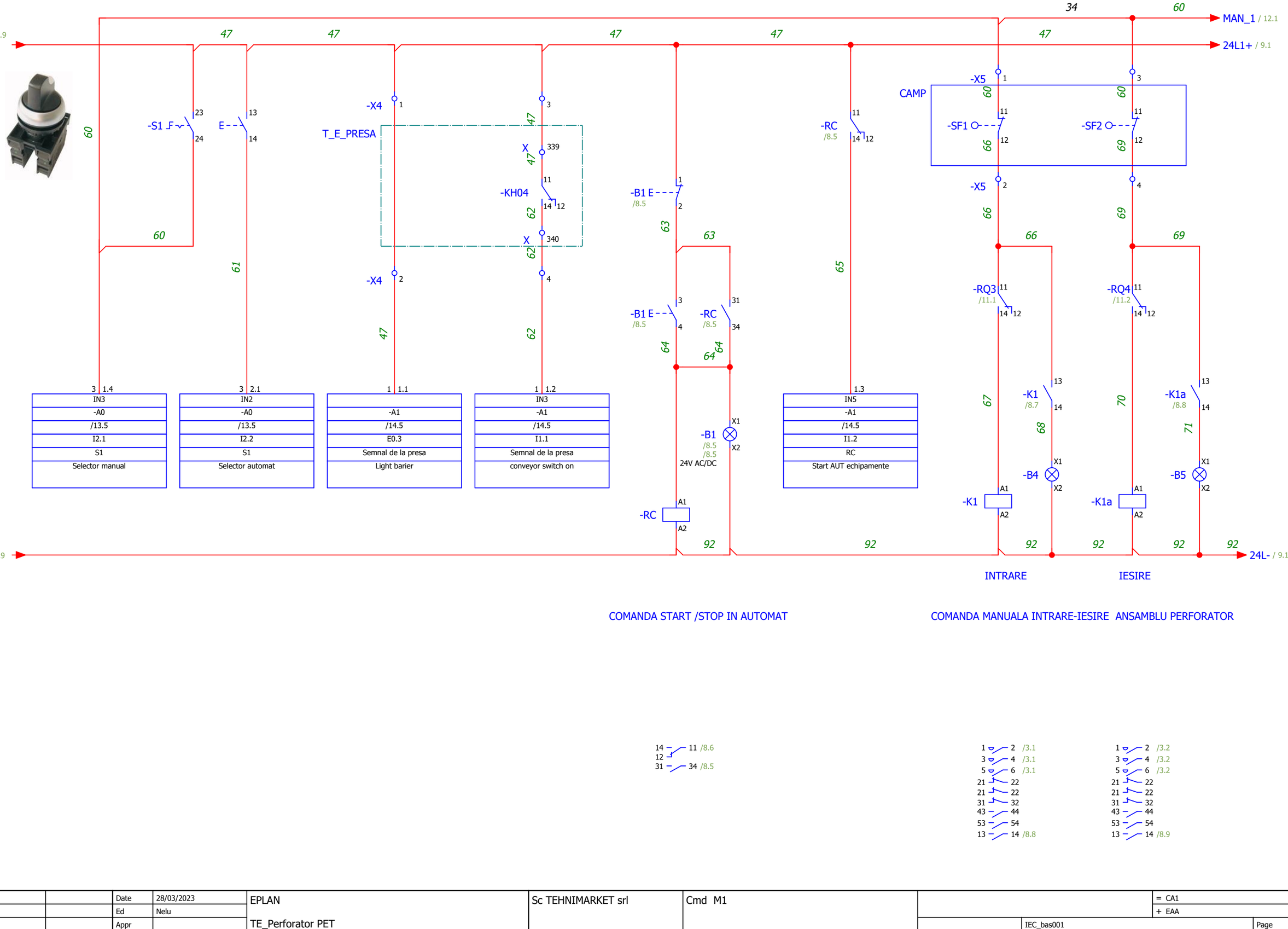
92 92 92

24L- / 8.0

XPSUS12AP

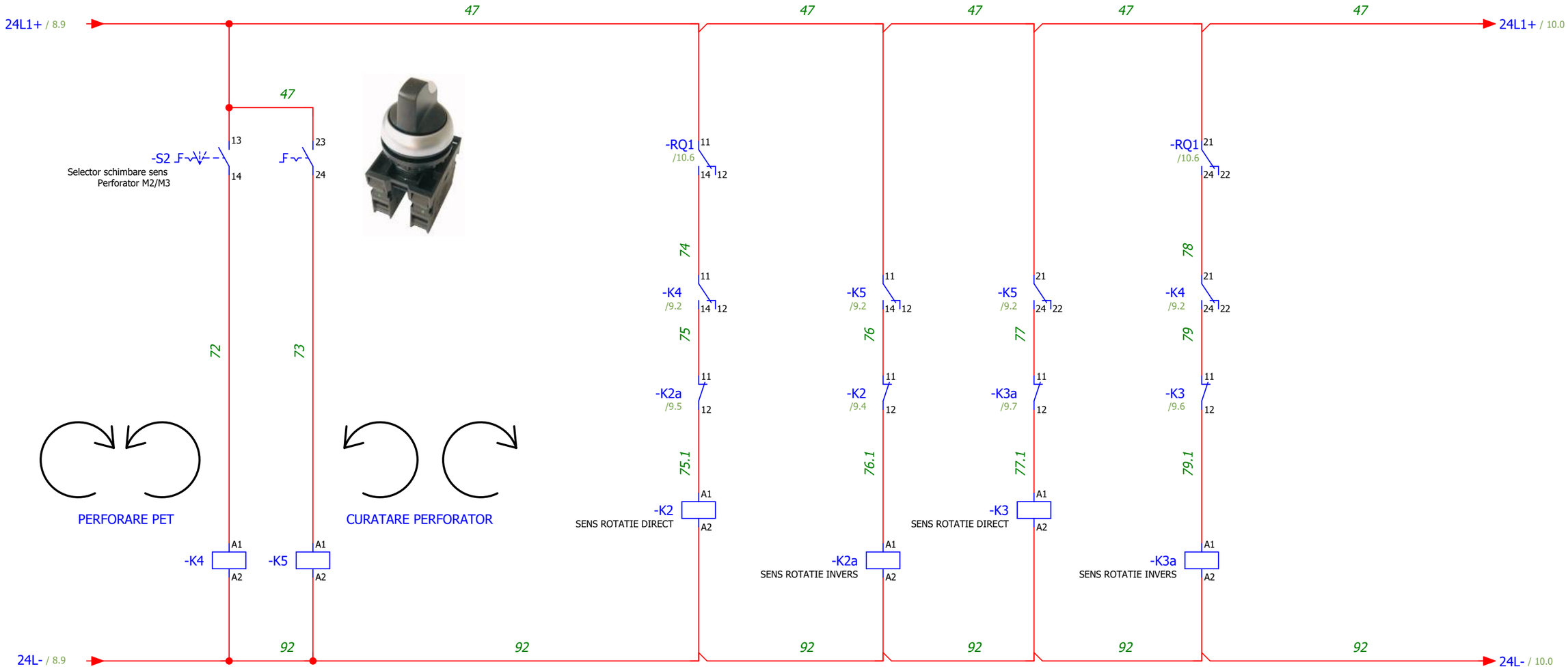
6 8

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | Sc TEHNIMARKET srl | Safety relay | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Perforator PET | | | IEC_bas001 | Page 7 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 7 / 21 |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | Sc TEHNIMARKET srl | Cmd M1 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Perforator PET | | | IEC_bas001 | Page 8 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 8 / 21 |




8 10

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 26/06/2023 | EPLAN | Sc TEHNIMARKET srl | Cmd M2/M3 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Perforator PET | | | IEC_bas001 | Page 9 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 9 / 21 |

PERFORATOR ON SENS DIRECT
M2/M3
Q1.4
/13.5
-A0
OUT1
2 1.1

COMANDA BANDA INCARCARE
M4
Q0.4
/13.5
-A3
OUT01
1 1.1

COMANDA BANDA INCARCARE
M5
Q2.0
/16.5
-A3
OUT03
1 1.2

24L1+ / 9.9 — 47 — 47 — 24L1+ / 11.0

CAMP -X6 1 2 — 152 — 47 — -SF1 SICK.6025109 I110-RA123 — 11 23 — 11 23 — 12 24 — 12 24 — 153 — 154 — -X6 3 4

154 — 1 1.4
IN7
-A1
/14.5
I1.3
SF1
Confirmare perforator IN

CAMP -X6 5 6 — 155 — 47 — -SF2 SICK.6025109 I110-RA123 — 11 23 — 11 23 — 12 24 — 12 24 — 156 — 157 — -X6 7 8

157 — 1 2.1
IN2
-A1
/14.5
I1.4
SF2
Confirmare perforator AUT

CAMP -X7 1 3 — 47 BN — 92 BU — -1B1 Perforator out XS618B1PAM12 — 1 3 — 4 BK — -X7 4 — 59 — 50 / 7.7

2.2
IN4
-A1
/14.5
I1.5
1B1
Confirmare perforator AUT

158 — 159 — 160

-RQ1 START PERFORATOR AUT M2/M3 — A1 A2
-RQ2 START BANDA AUT M4 — A1 A2
-RQ5 START BANDA AUT M5 — A1 A2

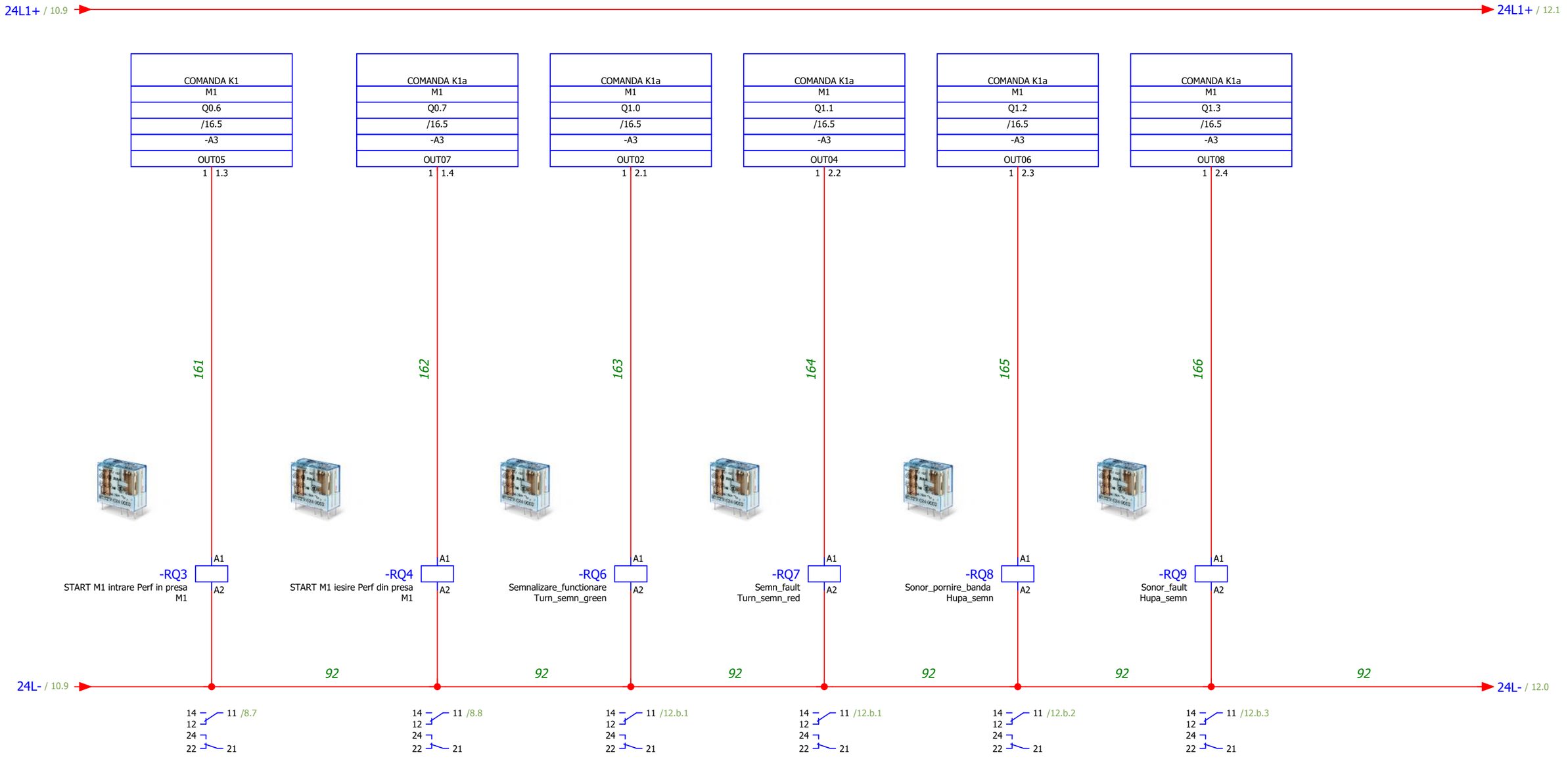
24L- / 9.9 — 92 — 92 — 92 — 92 — 24L- / 11.0

14 12 24 22 — 11 /9.4 — 21 /9.7
14 12 24 22 — 11 /4.3 — 21
14 12 24 22 — 11 /5.3 — 21

9 11

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 26/06/2023 | EPLAN | Sc TEHNIMARKET srl | SF1/SF2 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Perforator PET | | | IEC_bas001 | Page 10 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 10 / 21 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|






| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | Sc TEHNIMARKET srl | K1/K1a | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Perforator PET | | | IEC_bas001 Page 11 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 11 / 21 |

MAN_1 / 8.9

24L1+ / 11.9

60

47 47 47 47

24L1+ / 12.a.1



-B2 E
/12.1

13
14



-B3 E
/12.3

13
14

-RM1
/2.2

11
14 12

-Q1
/3.1

21
22

-Q2
/3.3

21
22

-Q3
/3.6

21
22

80 81 82 83 84 85

80 81 83 84 85



-B2
/12.1

x1
x2



-B3
/12.2

x1
x2



-H4

X1
X2



-H5

X1
X2



-H6

X1
X2

| 1 | 1.1 |
|---|---|
| IN1 | |
| -A2 | |
| /15.5 | |
| I3.0 | |
| K1-intrare | |
| Buton_mutare_ON | |

| 1 | 1.2 |
|---|---|
| IN3 | |
| -A2 | |
| /15.5 | |
| I3.1 | |
| K1a-iesire | |
| Buton_mutare_OFF | |

| 1 | 1.3 |
|---|---|
| IN5 | |
| -A2 | |
| /15.5 | |
| I3.2 | |
| RM1 | |
| Releu supraveghere retea OK | |

| 1 | 1.4 |
|---|---|
| IN7 | |
| -A2 | |
| /15.5 | |
| I3.3 | |
| M1 | |
| Fault motor translatare | |

| 1 | 2.1 |
|---|---|
| IN2 | |
| -A2 | |
| /15.5 | |
| I3.4 | |
| M2 | |
| Fault motoare perforator | |

| 1 | 2.2 |
|---|---|
| IN4 | |
| -A2 | |
| /15.5 | |
| I3.5 | |
| M3 | |
| Fault motoare perforator | |

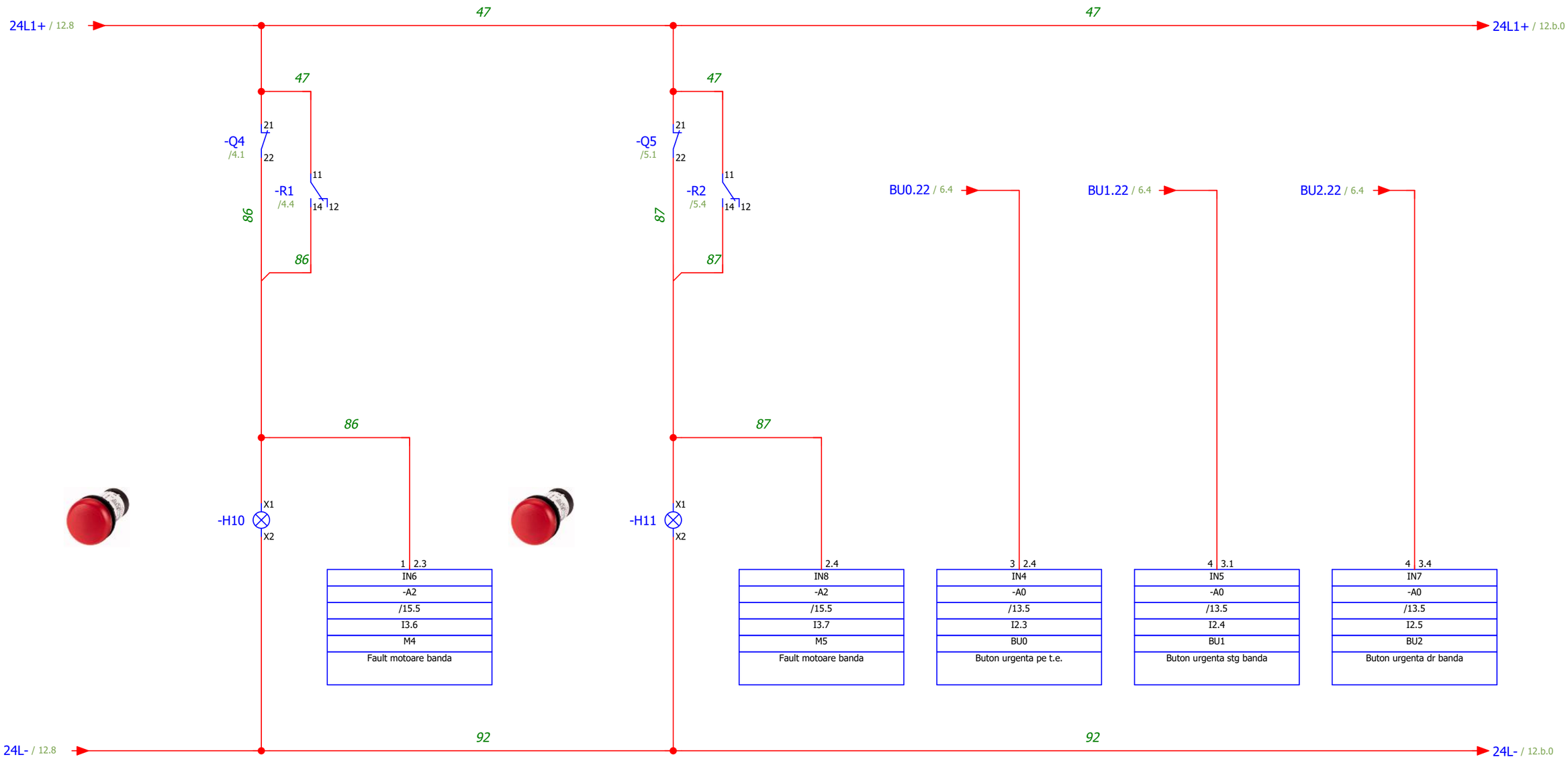
92 92 92 92 92

24L- / 11.9

24L- / 12.a.0

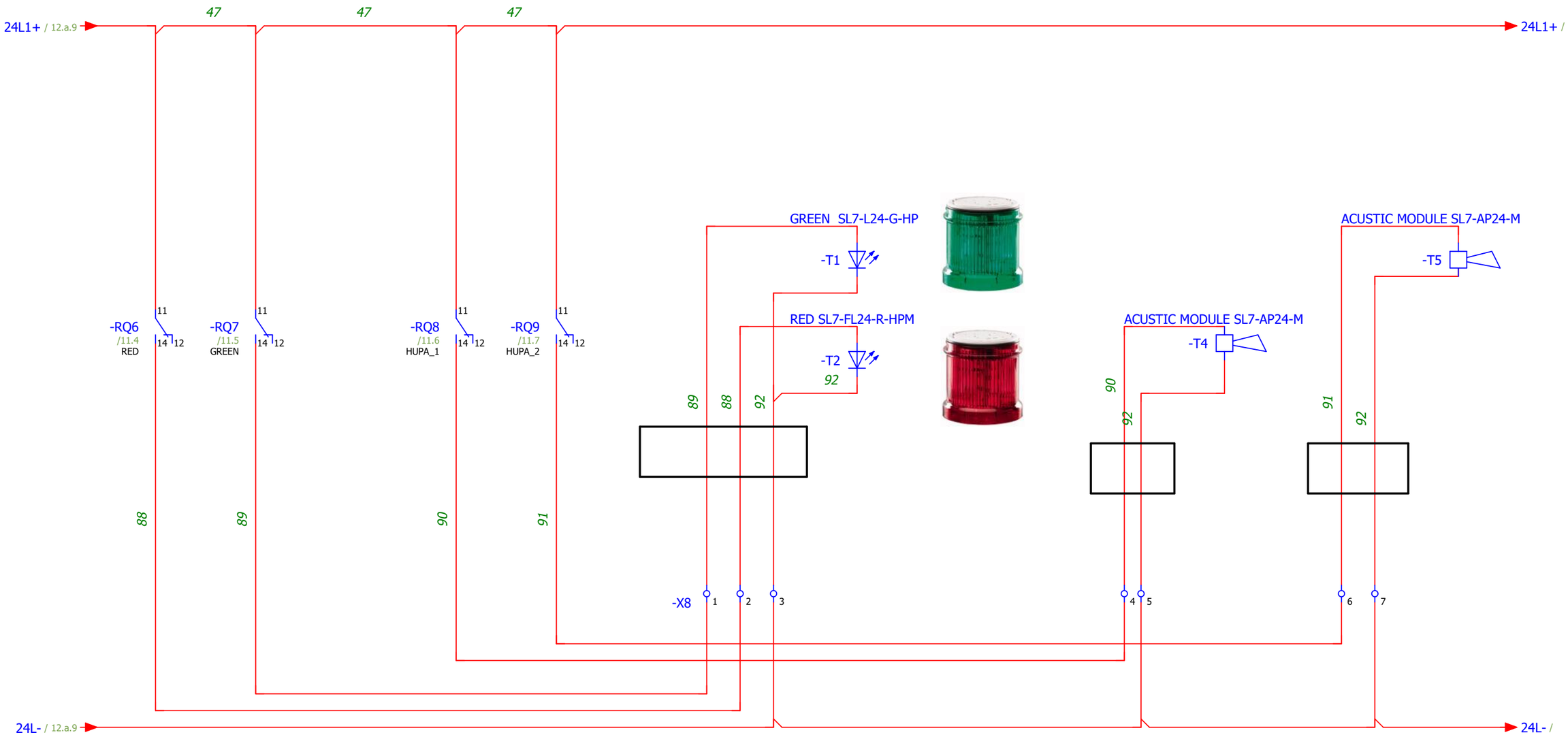


| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | Sc TEHNIMARKET srl | Fault | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Perforator PET | | | IEC_bas001 | Page 12 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 12 / 21 |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | Sc TEHNIMARKET srl | Fault | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Perforator PET | | | IEC_bas001 | Page 12.a |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 13 / 21 |




Notatii pe cablu de la turn luminos, verde galben-comun/ 1-albastru/2-verde/3-rosu

Notatii pe cablu de la turn sonor, verde galben-comun/ 1- sonor

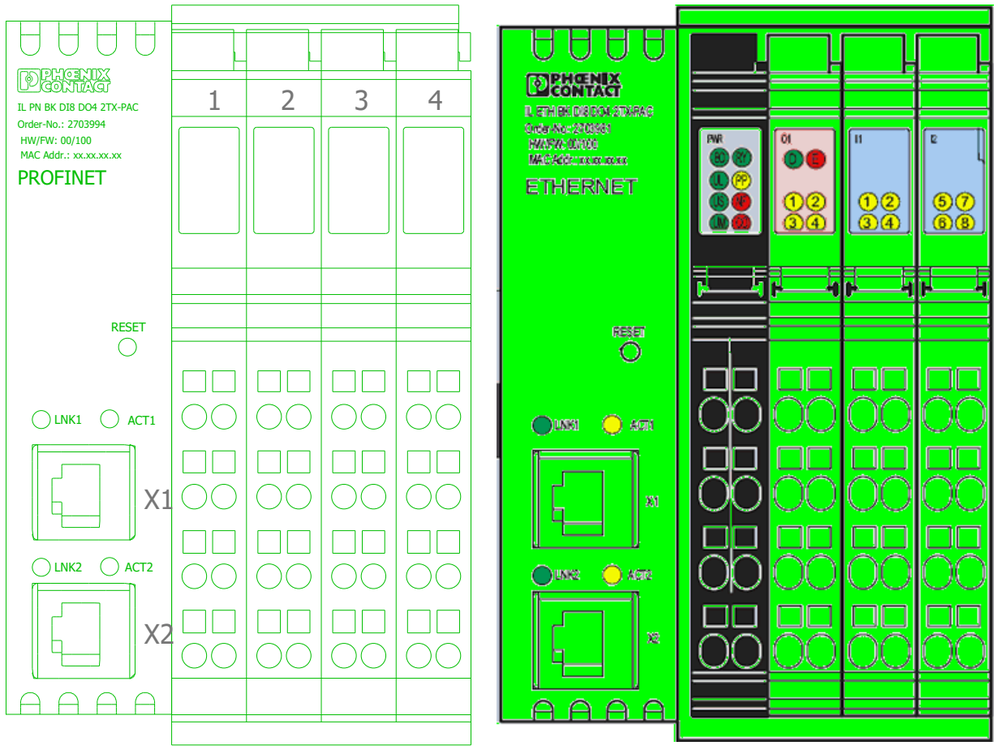
## MONTAJ PE T.E



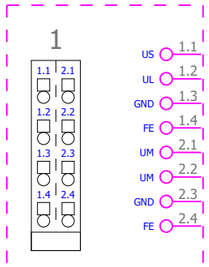
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | Sc TEHNIMARKET srl | Fault | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Perforator PET | | | IEC_bas001 | Page 12.b |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 14 / 21 |

PHOENIX CONTACT

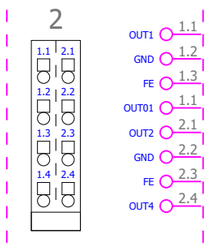
# -A0



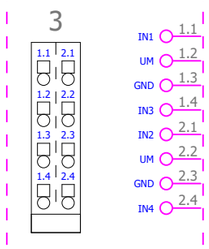

## IL PN BK DI8 DO4 2TX-PAC



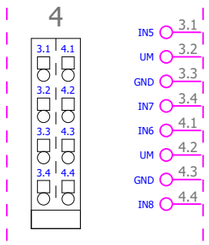

| Address: | Function text: | Symbolic Address: | Crossreference: |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



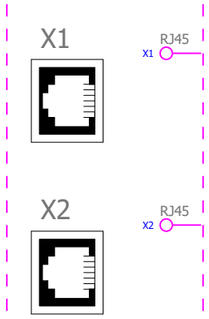

| | | | |
|---|---|---|---|
| Q1.4 | PERFORATOR ON SENS DIRECT | M2/M3 | /10.6 |
| | | | |
| | | | |
| Q0.4 | COMANDA BANDA INCARCARE | M4 | /10.7 |
| Q1.6 | | | |
| | | | |
| | | | |
| Q1.7 | | | |
| | | | |
| | | | |
| | | | |
| | | | |




| | | | |
|---|---|---|---|
| I2.0 | Perforator IN safeti relay OK | SR2 | /7.7 |
| | | | |
| | | | |
| I2.1 | Selector manual | S1 | /8.1 |
| I2.2 | Selector automat | S1 | /8.2 |
| | | | |
| | | | |
| I2.3 | Buton urgenta pe t.e. | BU0 | /12.a.6 |
| | | | |
| | | | |
| | | | |
| | | | |




| | | | |
|---|---|---|---|
| I2.4 | Buton urgenta stg banda | BU1 | /12.a.7 |
| | | | |
| | | | |
| I2.5 | Buton urgenta dr banda | BU2 | /12.a.8 |
| I2.6 | | | |
| | | | |
| | | | |
| I2.7 | | | |
| | | | |
| | | | |
| | | | |
| | | | |




| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

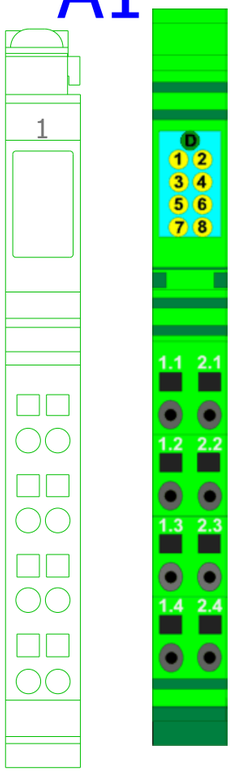
12.b

14

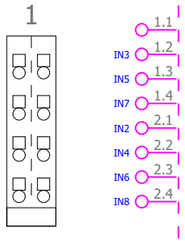
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | Sc TEHNIMARKET srl | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Perforator PET | | | IEC_bas001 | Page 13 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 15 / 21 |

PHOENIX CONTACT

-A1




IB IL 24 DI8/HD-PAC



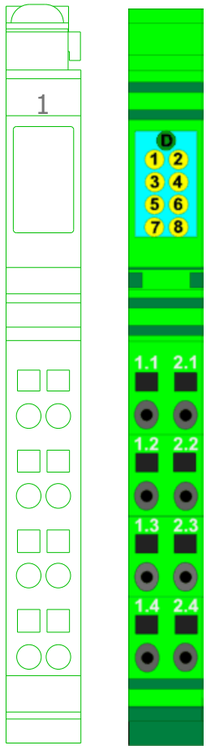

| | | | |
|---|---|---|---|
| E0.3 | Light barier | Semnal de la presa | /8.3 |
| I1.1 | conveyor switch on | Semnal de la presa | /8.4 |
| I1.2 | Start AUT echipamente | RC | /8.6 |
| I1.3 | Confirmare perforator IN | SF1 | /10.1 |
| I1.4 | Confirmare perforator AUT | SF2 | /10.3 |
| I1.5 | Confirmare perforator AUT | 1B1 | /10.5 |
| I1.6 | | | |
| I1.7 | | | |



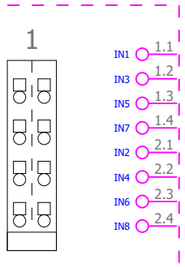
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | Sc TEHNIMARKET srl | PLC | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Perforator PET | | | | | |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | IEC_bas001 | Page | 14 |
| | | | | | | | | | Page | 16 / 21 |

PHOENIX CONTACT

# -A2




## IB IL 24 DI8/HD-PAC



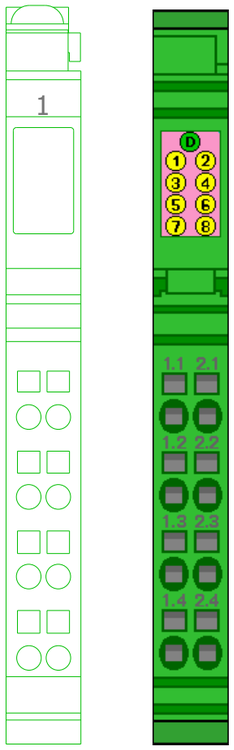

| | | | |
|---|---|---|---|
| I3.0 | Buton_mutare_ON | K1-intrare | /12.1 |
| I3.1 | Buton_mutare_OFF | K1a-iesire | /12.2 |
| I3.2 | Releu supraveghere retea OK | RM1 | /12.3 |
| I3.3 | Fault motor translatare | M1 | /12.5 |
| I3.4 | Fault motoare perforator | M2 | /12.7 |
| I3.5 | Fault motoare perforator | M3 | /12.8 |
| I3.6 | Fault motoare banda | M4 | /12.a.2 |
| I3.7 | Fault motoare banda | M5 | /12.a.5 |



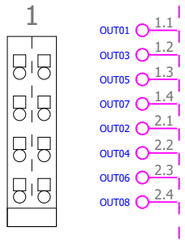
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | Sc TEHNIMARKET srl | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Perforator PET | | | IEC_bas001 | Page 15 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 17 / 21 |

PHOENIX CONTACT

# -A3




## IB IL 24 DO 8/HD-ECO




| | | | |
|---|---|---|---|
| Q0.4 | COMANDA BANDA INCARCARE | M4 | /10.7 |
| Q0.5 | COMANDA BANDA INCARCARE | M5 | /10.9 |
| Q0.6 | COMANDA K1 | M1 | /11.1 |
| Q0.7 | COMANDA K1a | M1 | /11.2 |
| Q1.0 | COMANDA K1a | M1 | /11.4 |
| Q1.1 | COMANDA K1a | M1 | /11.5 |
| Q1.2 | COMANDA K1a | M1 | /11.6 |
| Q1.3 | COMANDA K1a | M1 | /11.7 |

15

17

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 28/03/2023 | EPLAN | Sc TEHNIMARKET srl | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Perforator PET | | | IEC_bas001 | Page 16 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 18 / 21 |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| | 0 | | | | |
| -A0 | 1 | Bus coupler | IL PN BK DI8 DO4 2TX-PAC | PXC | PXC.2703994 |
| -A0 | 0 | | | | |
| -A1 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A2 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A3 | 1 | Inline terminal | IB IL 24 DO 8/HD-ECO | | PXC.2702793 |
| -A3 | 0 | | | | |
| -A? | 0 | | | | |
| -B1 | 1 | Green flush/red projecting illuminated double-headed pushbutton Ø22 1NO+1NC 24V | XB4BW73731B5 | SE | SE.XB4BW73731B5 |
| -B2 | 1 | Pushbutton actuator, 1N/O, flush, green, front mount | M22-D-G-X1/K10 | ETN | ETN.M22-D-G-X1/K10 |
| -B2 | 1 | LED element, green, front mount, 12-30VAC/DC | M22-LED-G | ETN | ETN.M22-LED-G |
| -B2 | 0 | | | | |
| -B3 | 1 | Pushbutton actuator, 1N/O, flush, green, front mount | M22-D-G-X1/K10 | ETN | ETN.M22-D-G-X1/K10 |
| -B3 | 1 | LED element, green, front mount, 12-30VAC/DC | M22-LED-G | ETN | ETN.M22-LED-G |
| -B3 | 0 | | | | |
| -B4 | 1 | LED element, white, front mount, 12-30VAC/DC | M22-LED-W | ETN | ETN.M22-LED-W |
| -B5 | 1 | LED element, white, front mount, 12-30VAC/DC | M22-LED-W | ETN | ETN.M22-LED-W |
| -1B1 | 1 | | | | XS618B1PAM12 |
| -BU0 | 1 | Emergency-stop pushbutton, non-illuminated, turn-release | M22-PVT | ETN | ETN.M22-PVT |
| -BU0 | 2 | Contact element, 1N/O, front mount, 6. contact, screw connection | M22-K10 | ETN | ETN.M22-K10 |
| -BU1 | 0 | | | | |
| -BU2 | 0 | | | | |
| -CAMP | 0 | | | | |
| -F1 | 1 | Residual current circuit-breaker, 40A, 4pole, 300mA, type A | PXF-40/4/03-A | ETN | ETN.PXF-40/4/03-A |
| -F2 | 1 | Over current switch, 2A, 3p, C-Char, AC | PXL-C2/3 | ETN | ETN.PXL-C2/3 |
| -F3 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F3.1 | 1 | Over current switch, 6A, 1p, C-Char, DC current | PXL-C6-DC | ETN | ETN.PXL-C6-DC |
| -F3.2 | 1 | Over current switch, 6A, 1p, C-Char, DC current | PXL-C6-DC | ETN | ETN.PXL-C6-DC |
| -F4 | 1 | Over current switch, 6A, 1Np, C-Char, AC | FAZ-PN-C6/1N | ETN | ETN.FAZ-PN-C6/1N |
| -F5 | 1 | Over current switch, 16A, 1Np, C-Char, AC | FAZ-PN-C16/1N | ETN | ETN.FAZ-PN-C16/1N |
| -F6 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -FAN_TE1 | 0 | | | | |
| -G1 | 1 | Power supply unit | TRIO-PS/1AC/24DC/10 | PXC | PXC.2866323 |
| -H4 | 1 | Indicator light, compact, flush, red | M22-LC-R | ETN | ETN.M22-LC-R |
| -H5 | 1 | Indicator light, compact, flush, red | M22-LC-R | ETN | ETN.M22-LC-R |
| -H6 | 1 | Indicator light, compact, flush, red | M22-LC-R | ETN | ETN.M22-LC-R |
| -H8 | 1 | LED element, green, front mount, 12-30VAC/DC | M22-LED-G | ETN | ETN.M22-LED-G |
| -H8 | 1 | Indicator light, flush, green | M22-L-G | ETN | ETN.M22-L-G |
| -H9 | 1 | Indicator light, flush, green | M22-L-G | ETN | ETN.M22-L-G |
| -H9 | 1 | LED element, green, front mount, 12-30VAC/DC | M22-LED-G | ETN | ETN.M22-LED-G |
| -H10 | 1 | Indicator light, compact, flush, red | M22-LC-R | ETN | ETN.M22-LC-R |
| -H11 | 1 | Indicator light, compact, flush, red | M22-LC-R | ETN | ETN.M22-LC-R |
| -HL1 | 1 | LED element, white, front mount, 85-264VAC | M22-LED230-W | ETN | ETN.M22-LED230-W |
| -HL1 | 1 | | | | ETN.M22-L-W |
| -HL2 | 1 | LED element, white, front mount, 85-264VAC | M22-LED230-W | ETN | ETN.M22-LED230-W |
| -HL2 | 1 | | | | ETN.M22-L-W |
| -HL3 | 1 | LED element, white, front mount, 85-264VAC | M22-LED230-W | ETN | ETN.M22-LED230-W |
| -HL3 | 1 | | | | ETN.M22-L-W |
| -K1 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K1 | 1 | Auxiliary contact module, 2N/O+2N/C | DILM32-XHI22 | ETN | ETN.DILM32-XHI22 |
| -K1a | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K1a | 1 | Auxiliary contact module, 2N/O+2N/C | DILM32-XHI22 | ETN | ETN.DILM32-XHI22 |
| -K2 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K2a | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K3 | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |
| -K3a | 1 | Contactor, 3p+1N/C, 4kW/400V/AC3 | DILM9-01(24VDC) | ETN | ETN.DILM9-01(24VDC) |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -K4 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -K5 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -LP_Tablou1 | 1 | | | | STE.02540.0-03 |
| -LS1 | 1 | | | | ETN.LS-11 |
| -M1 | 0 | | | | |
| -M2 | 0 | | | | |
| -M3 | 0 | | | | |
| -M4 | 0 | | | | |
| -M5 | 0 | | | | |
| -P1 | 1 | Potentiometer, 4, 7k, front mount | M22-R4K7 | ETN | ETN.M22-R4K7 |
| -P2 | 1 | Potentiometer, 4, 7k, front mount | M22-R4K7 | ETN | ETN.M22-R4K7 |
| -PRIZA_SERVICE1 | 0 | | | | |
| -Q1 | 1 | Standard auxiliary contact, 1N/O+1N/C, screw connection | NHI11-PKZ0 | ETN | ETN.NHI11-PKZ0 |
| -Q1 | 1 | Standard auxiliary contact, 1N/O+1N/C, flush mounting, screw connection | NHI-E-11-PKZ0 | ETN | ETN.NHI-E-11-PKZ0 |
| -Q1 | 1 | Motor-protective circuit-breaker, 3p, Ir=2.5-4A | PKZM01-4 | ETN | ETN.PKZM01-4 |
| -Q2 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q2 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q2 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q2.1 | 1 | | | | ETN.DS7-342SX012N0-N |
| -Q3 | 1 | Motor circuit breaker, TeSys Deca, 3P, 6-10 A, thermal magnetic, screw clamp terminals | GV2ME14 | SE | SE.GV2ME14 |
| -Q3 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q3 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q3.1 | 1 | | | | ETN.DS7-342SX012N0-N |
| -Q4 | 1 | Motor circuit breaker, TeSys Deca, 3P, 13-18 A, thermal magnetic, screw clamp terminals | GV2ME20 | SE | SE.GV2ME20 |
| -Q4 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q4 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q5 | 1 | Motor circuit breaker, TeSys Deca, 3P, 9-14 A, thermal magnetic, screw clamp terminals | GV2ME16 | SE | SE.GV2ME16 |
| -Q5 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q5 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -R1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -R2 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RC | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RM1 | 1 | Monitoring relay, 3 phase + neutral AC line monitoring - AC (50/60 Hz) - 380...415 V | 70.41.8.400.2030 | FIN | FIN.70.41.8.400.2030 |
| -RQ1 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ1 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ2 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ2 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ3 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ3 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ4 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ4 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ5 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ5 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ6 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ6 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ7 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ7 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ8 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ8 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -RQ9 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ9 | 1 | Screw terminal socket panel, for 40.51/40.52/40.61 | 95.05 | FIN | FIN.95.05 |
| -R_safety | 0 | | | | |
| -S0 | 1 | Main switch, 3 pole, 63 A, Emergency-Stop function, flush mounting | P3-63/E/SVB | ETN | ETN.P3-63/E/SVB |
| -S1 | 1 | Selector switch, 2N/O, 3 positions, front mount | M22-WRK3/K20 | ETN | ETN.M22-WRK3/K20 |
| -S2 | 1 | Selector switch, 2N/O, 3 positions, front mount | M22-WRK3/K20 | ETN | ETN.M22-WRK3/K20 |
| -S2 | 0 | | | | |

# Parts list

F01_001

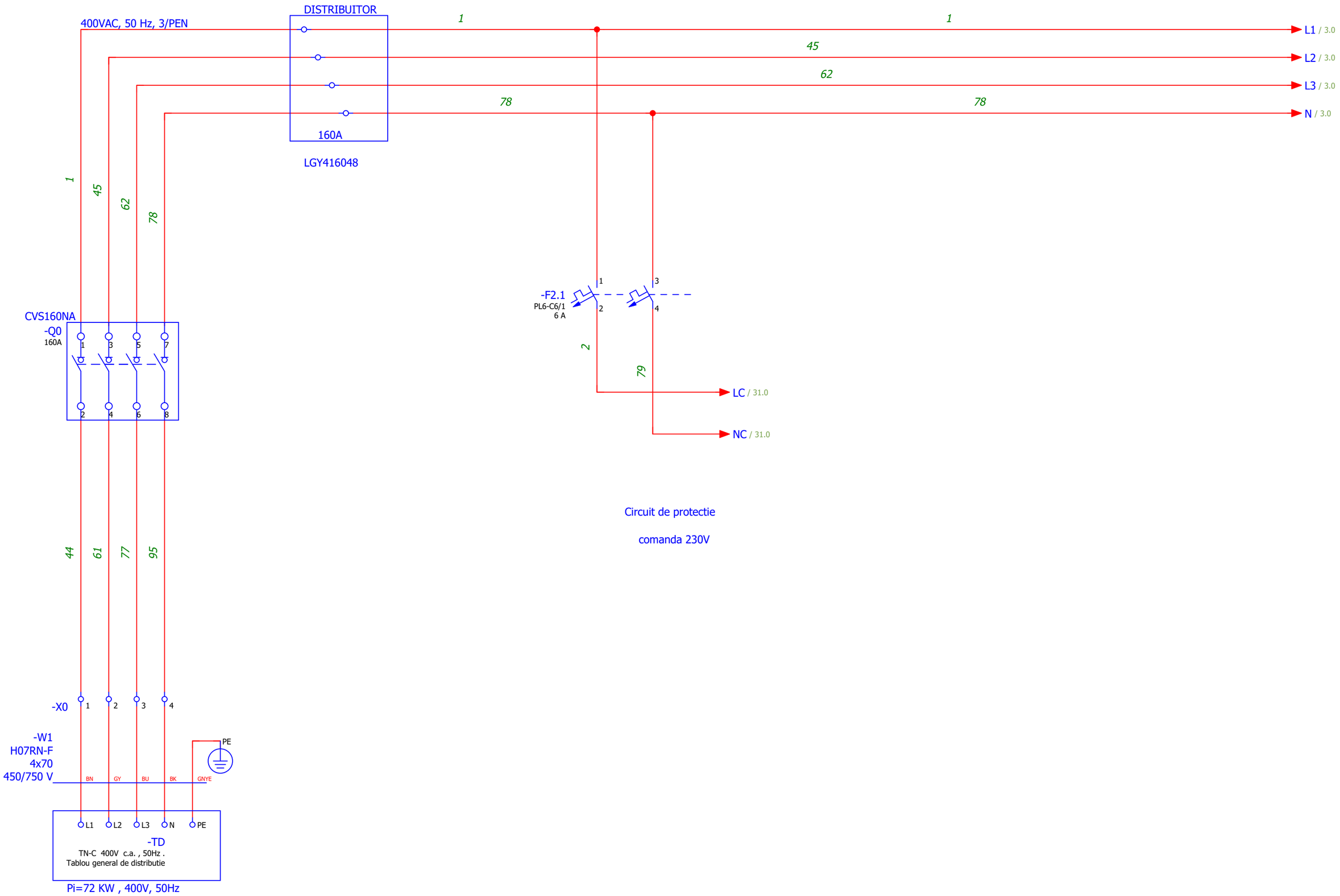
| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -S14 | 0 | | | | |
| -SF1 | 1 | Electromechanical safety switch, i110-RA123 | I110-RA123 | SICK | SICK.6025109 |
| -SF2 | 1 | Electromechanical safety switch, i110-RA123 | I110-RA123 | SICK | SICK.6025109 |
| -SH1-SR1 | 1 | Illuminated pushbutton actuator, flush, blue, momentary | M22-DL-B | ETN | ETN.M22-DL-B |
| -SH1-SR1 | 1 | LED element, red, front mount, 12-30VAC/DC | M22-LED-R | ETN | ETN.M22-LED-R |
| -SR1F1 | 1 | Over current switch, 6A, 1p, C-Char, AC | PXL-C6/1 | ETN | ETN.PXL-C6/1 |
| -SR2 | 1 | Harmony Safety Automation Safety module | XPSUS12AP | SE | SE.XPSUS12AP |
| -SR2F2 | 1 | Over current switch, 6A, 1p, C-Char, AC | PXL-C6/1 | ETN | ETN.PXL-C6/1 |
| -T1 | 1 | | | | ETN.SL7-BL24-G |
| -T2 | 1 | | | | ETN.SL7-FL24-R |
| -T4 | 1 | Acoustic module | SL7-AP24-M | ETN | ETN.SL7-AP24-M |
| -T5 | 1 | Acoustic module | SL7-AP24-M | ETN | ETN.SL7-AP24-M |
| -TD1 | 0 | | | | |
| -Th_tablou1 | 1 | | | | FND.TRT-10A230V-NC |
| -U1 | 0 | | | | |
| -U2 | 0 | | | | |

Sc TEHNIMARKET Srl.

Str.ARCADIE SEPTILICI Nr. 1C
60234 BACAU
Phone

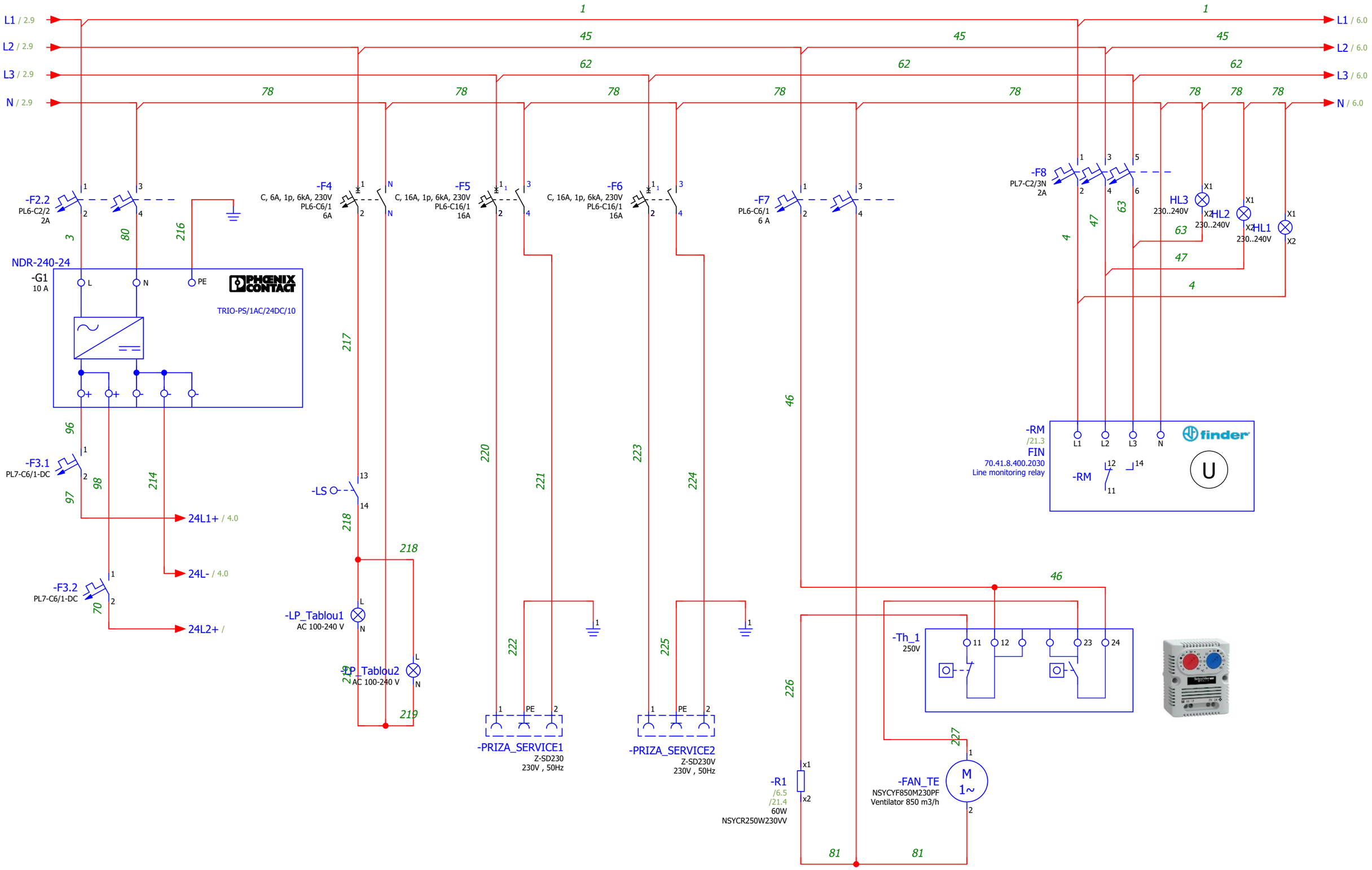
| | |
|---|---|
| Company / customer | Statie sortare ROIESTI |
| Project description | TE_Benzi buncar |
| Job number | IEC_bas001 |
| Commission | EPLAN |
| Manufacturer (company) | Sc TEHNIMARKET Srl. |
| Path | EPLAN sample project |
| Project name | TE_6_Benzi_buncar |
| Make | |
| Type | |
| Place of installation | |
| Responsible for project | Murgulet Ioan |
| Part feature | |

Created on 16/03/2023
Edit date 30/03/2023 by (short name) Nelu Number of pages 119

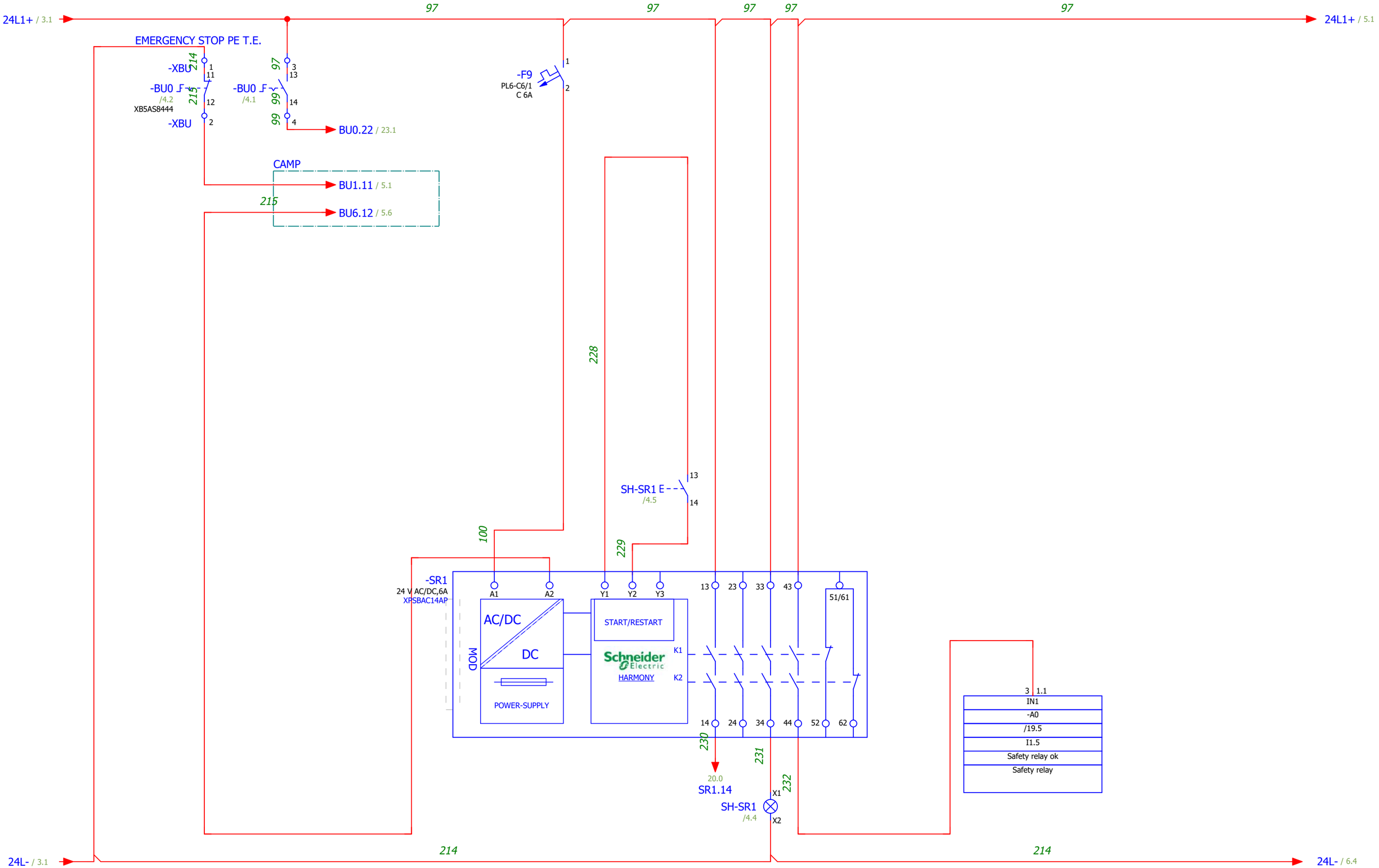





| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Alim | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 2 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 2 / 119 |

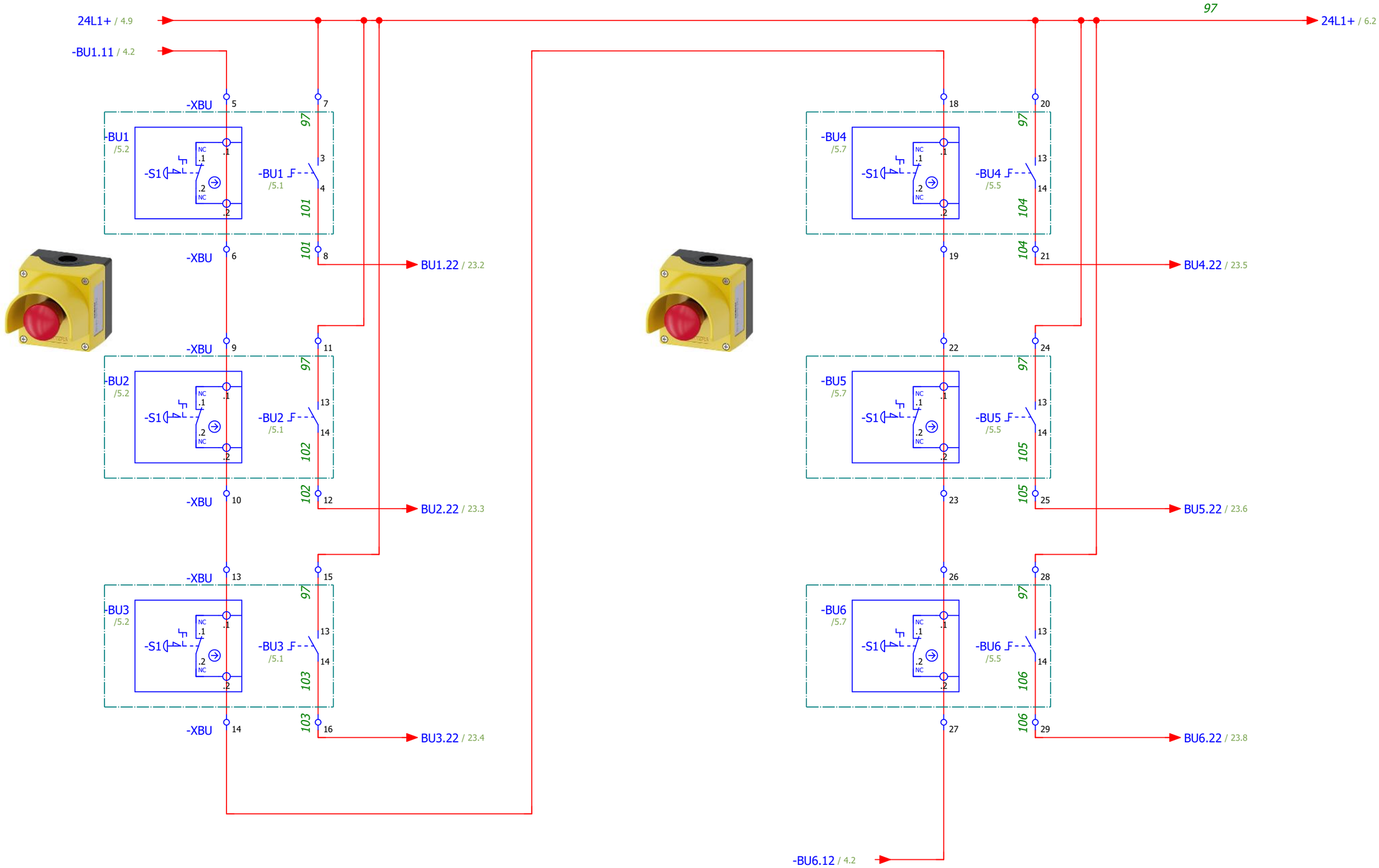



| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Echip.aux.tablou | | | = CA1 | |
| | | | Ed | Nelu | | | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | | IEC_bas001 | Page | 3 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page | 3 / 119 |



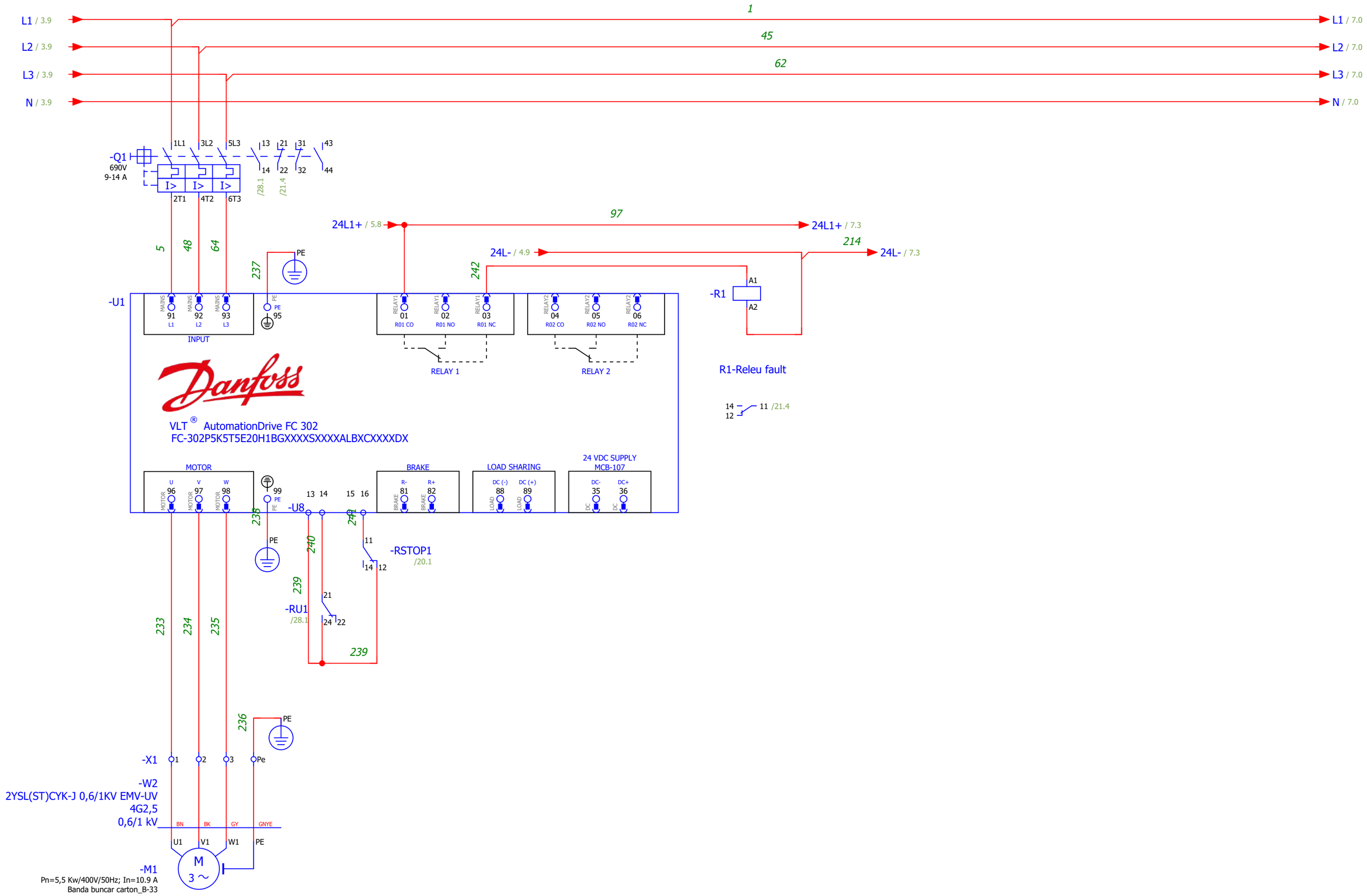

3 5

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Safety relay | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 4 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 4 / 119 |



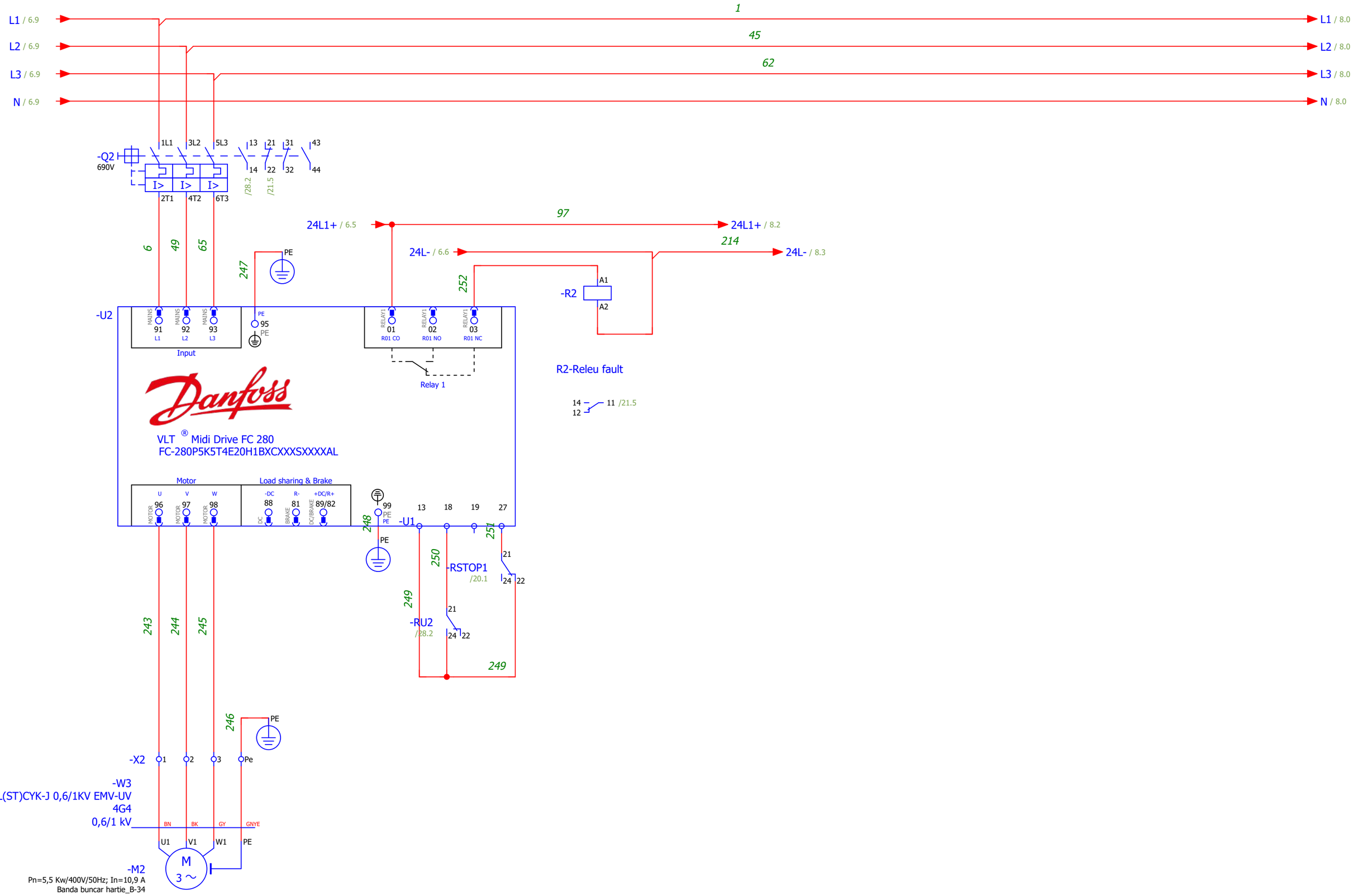



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Safety relay | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 5 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 5 / 119 |



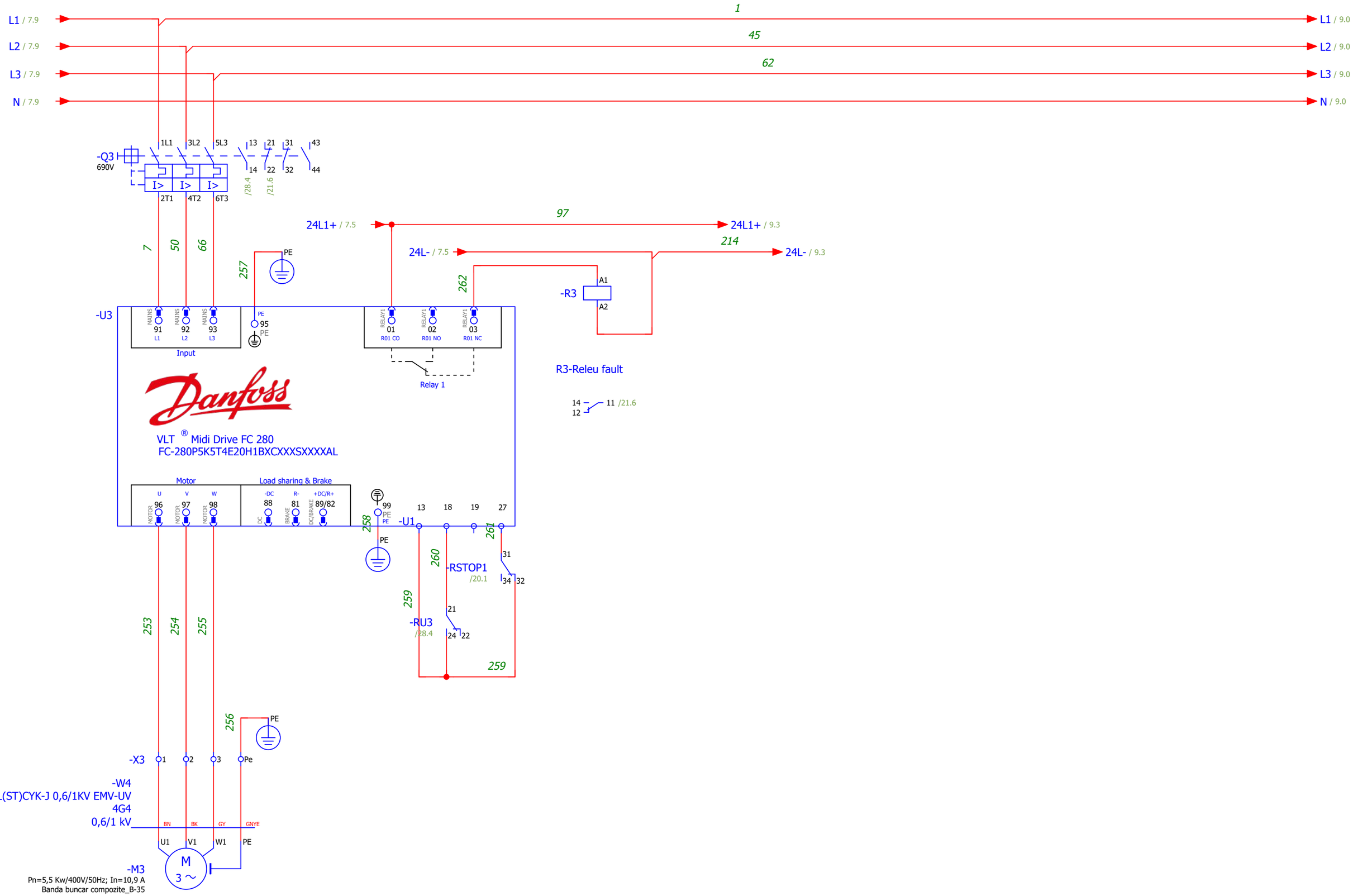

5 7

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | M1 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page | 6 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page | 6 / 119 |

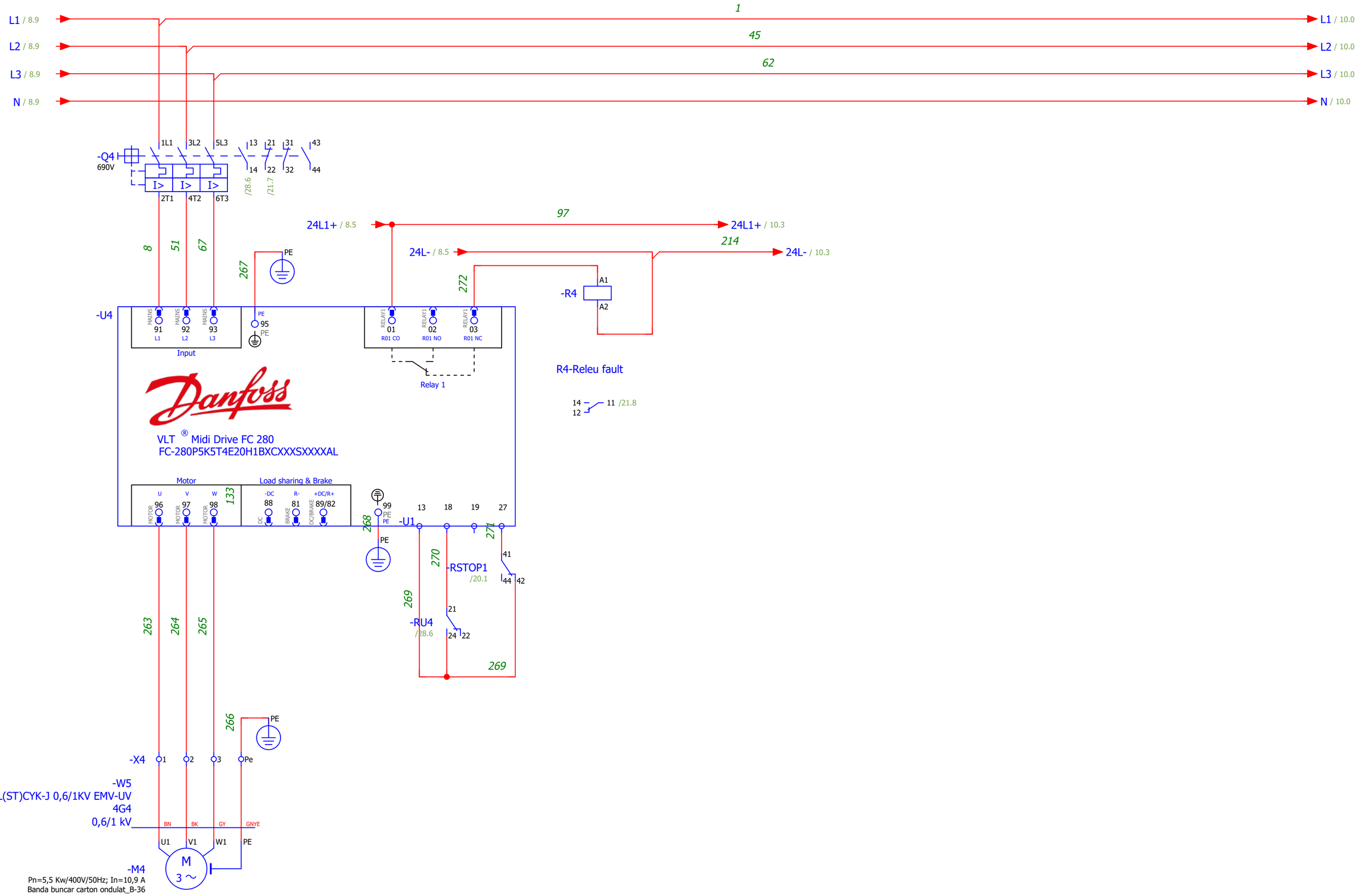





| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | M2 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 7 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 7 / 119 |



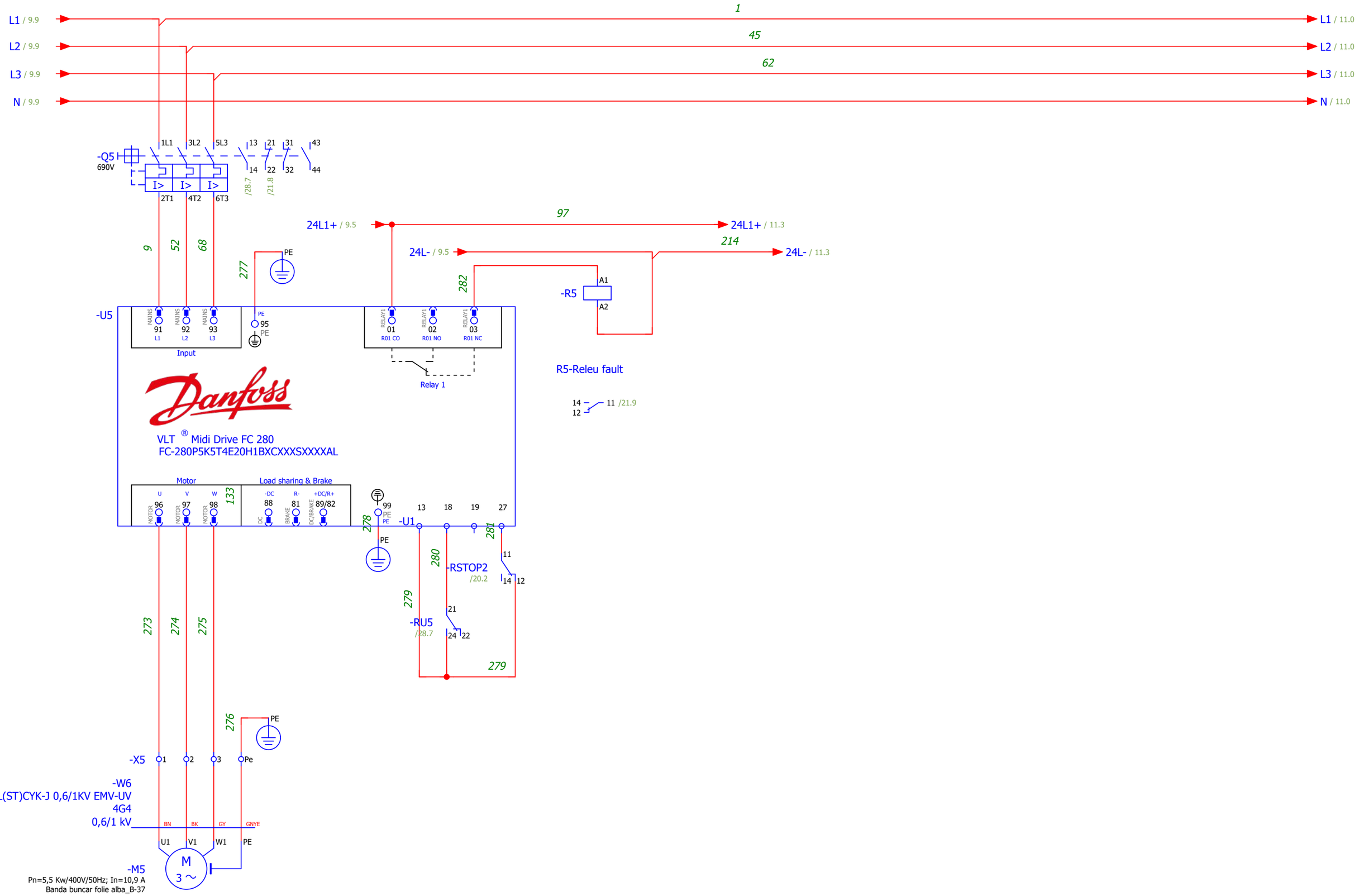

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | M3 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 8 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 8 / 119 |




8

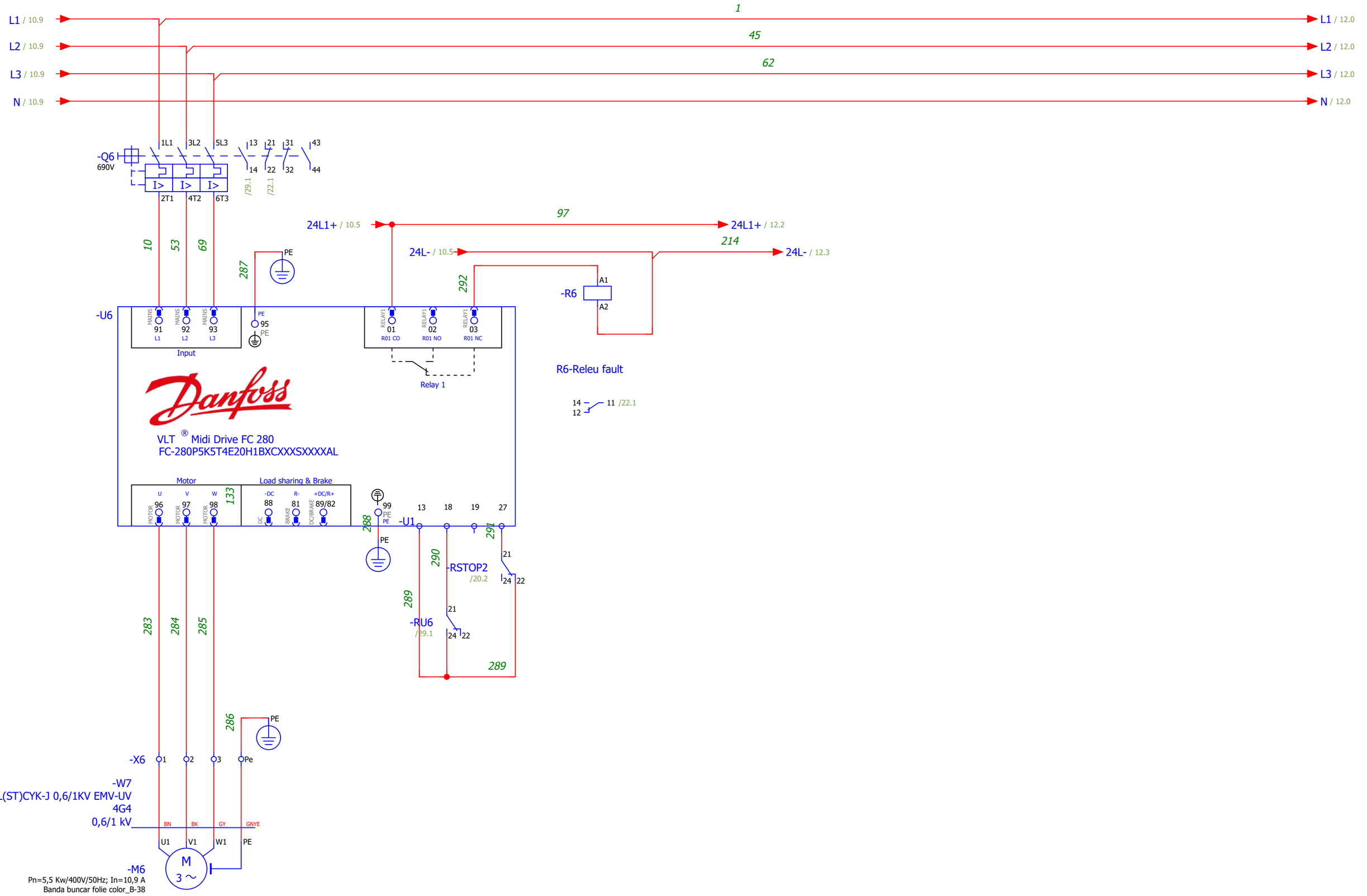
10

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | M4 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | | IEC_bas001 | Page 9 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 9 / 119 |





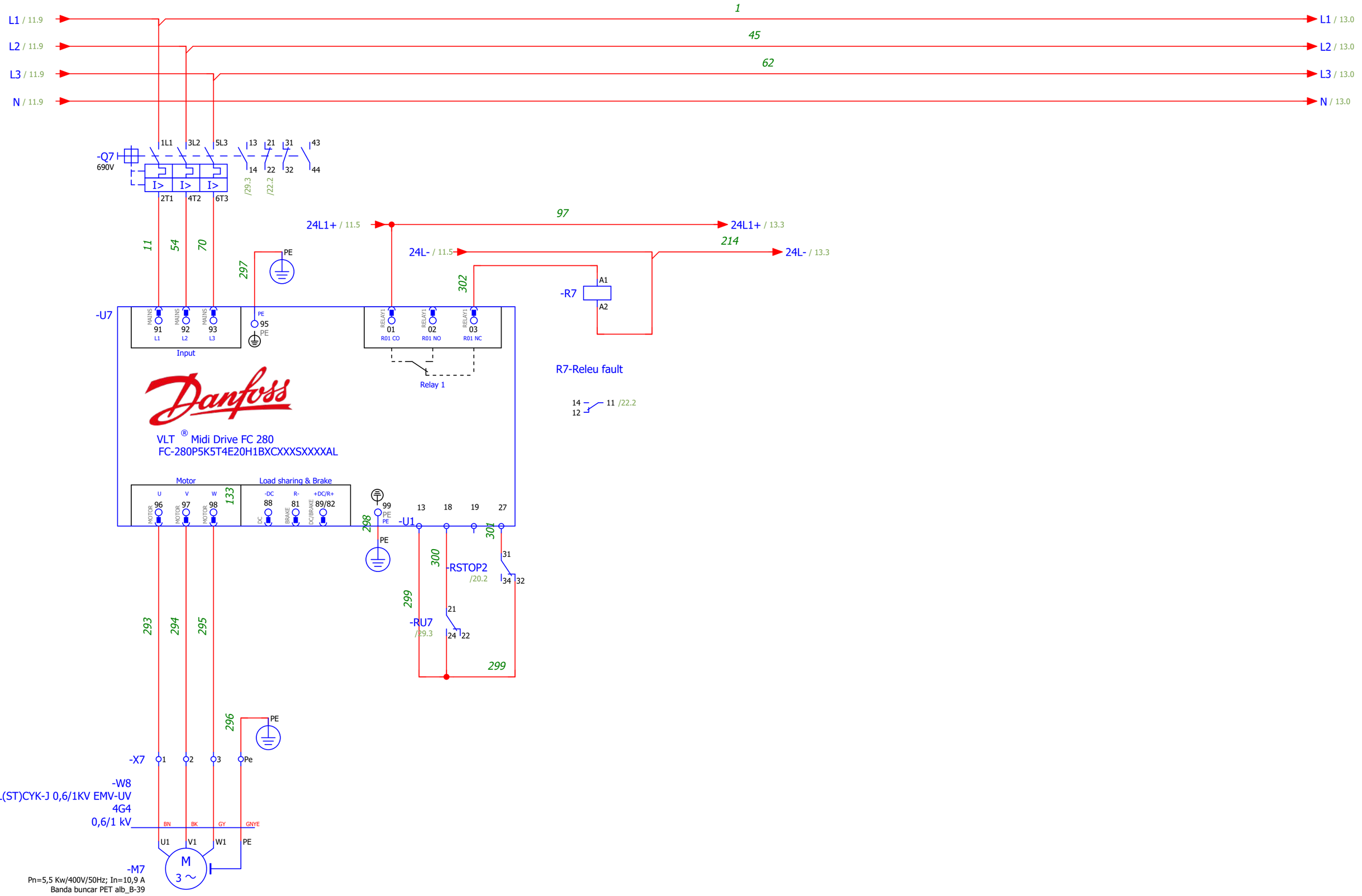

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | M5 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | | IEC_bas001 | Page 10 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 10 / 119 |




10

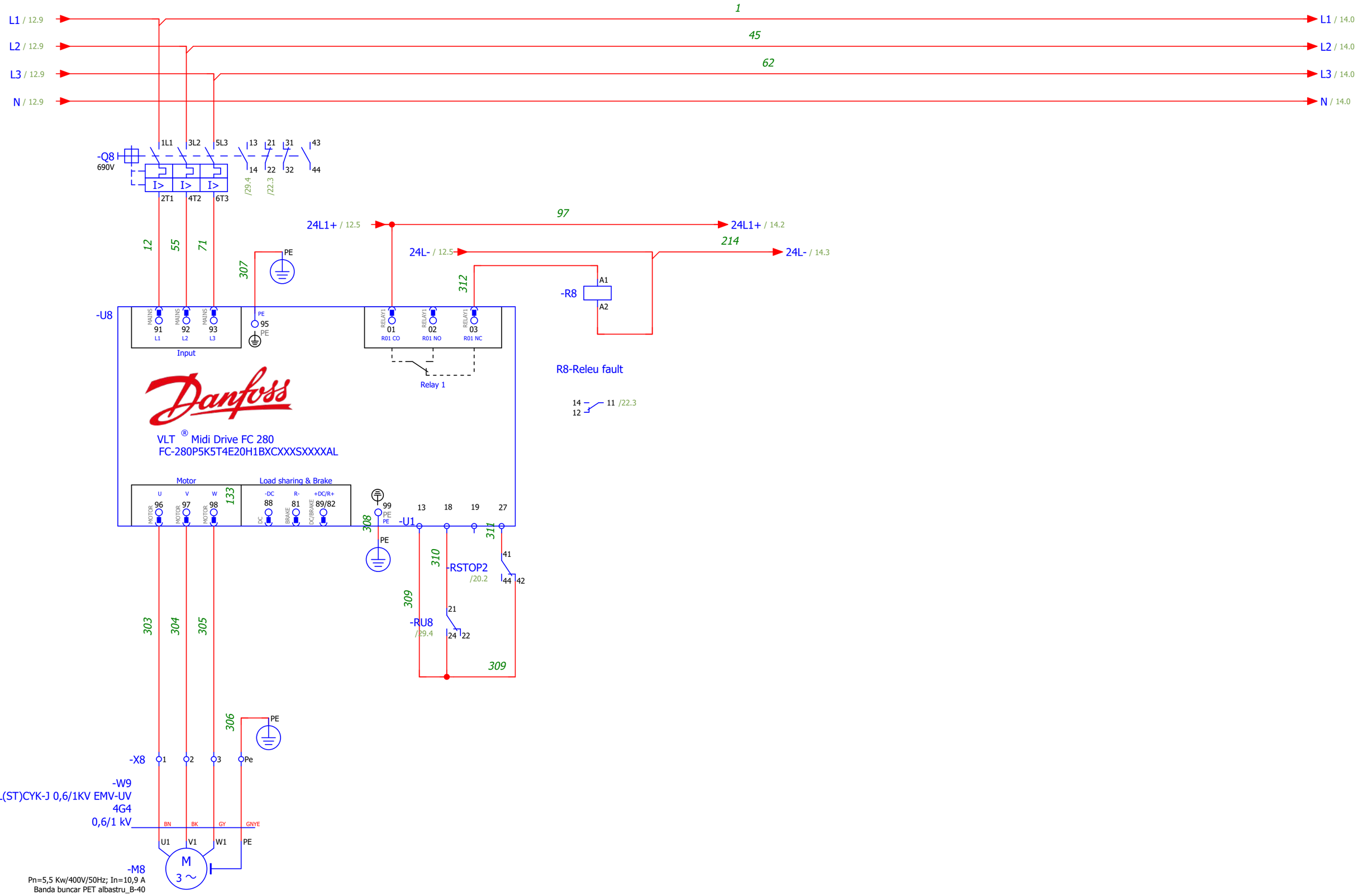
12

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | M6 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | | IEC_bas001 | Page 11 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 11 / 119 |



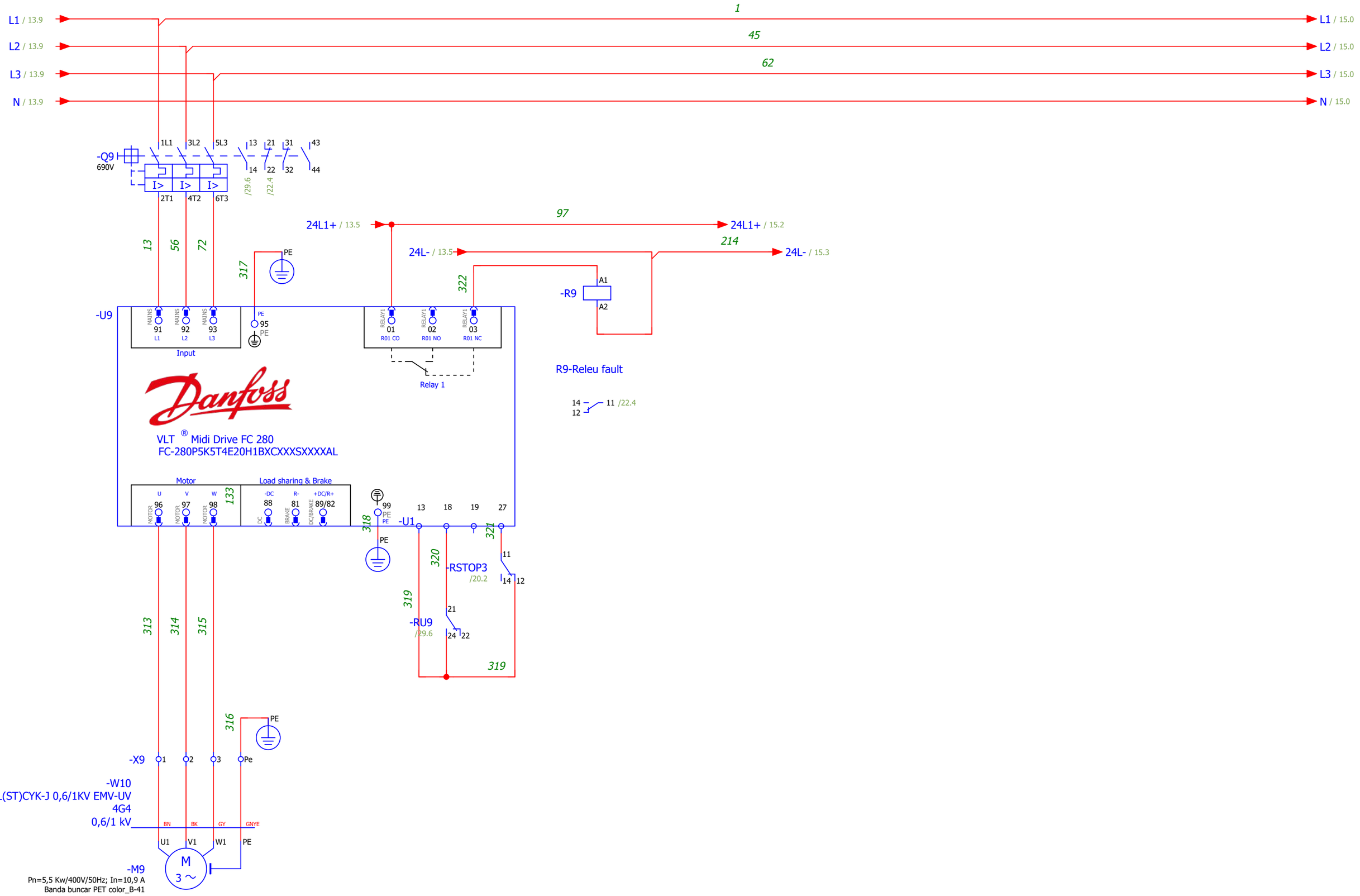



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | M7 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 12 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 12 / 119 |





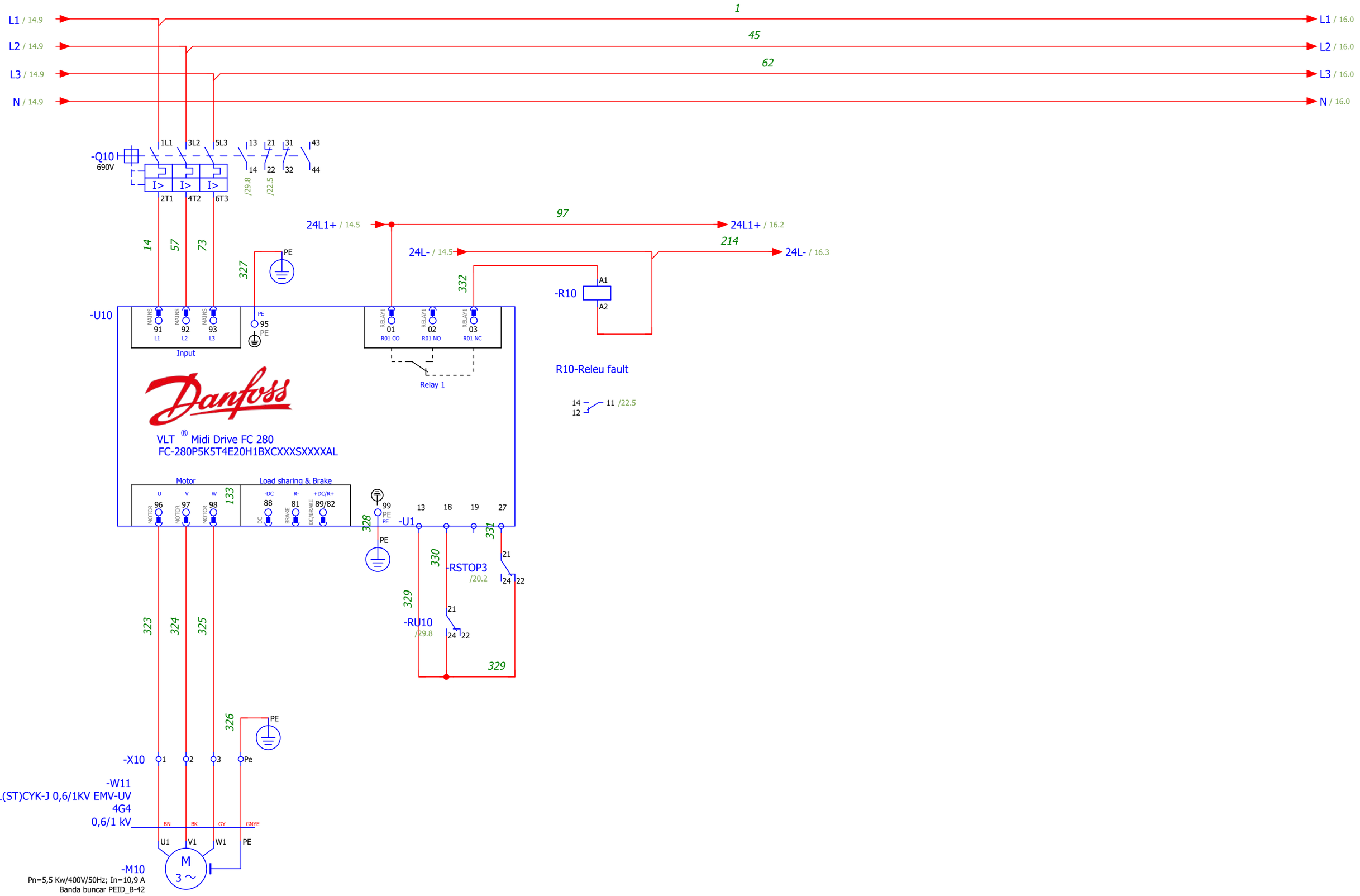

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | M8 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 13 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 13 / 119 |




13

15

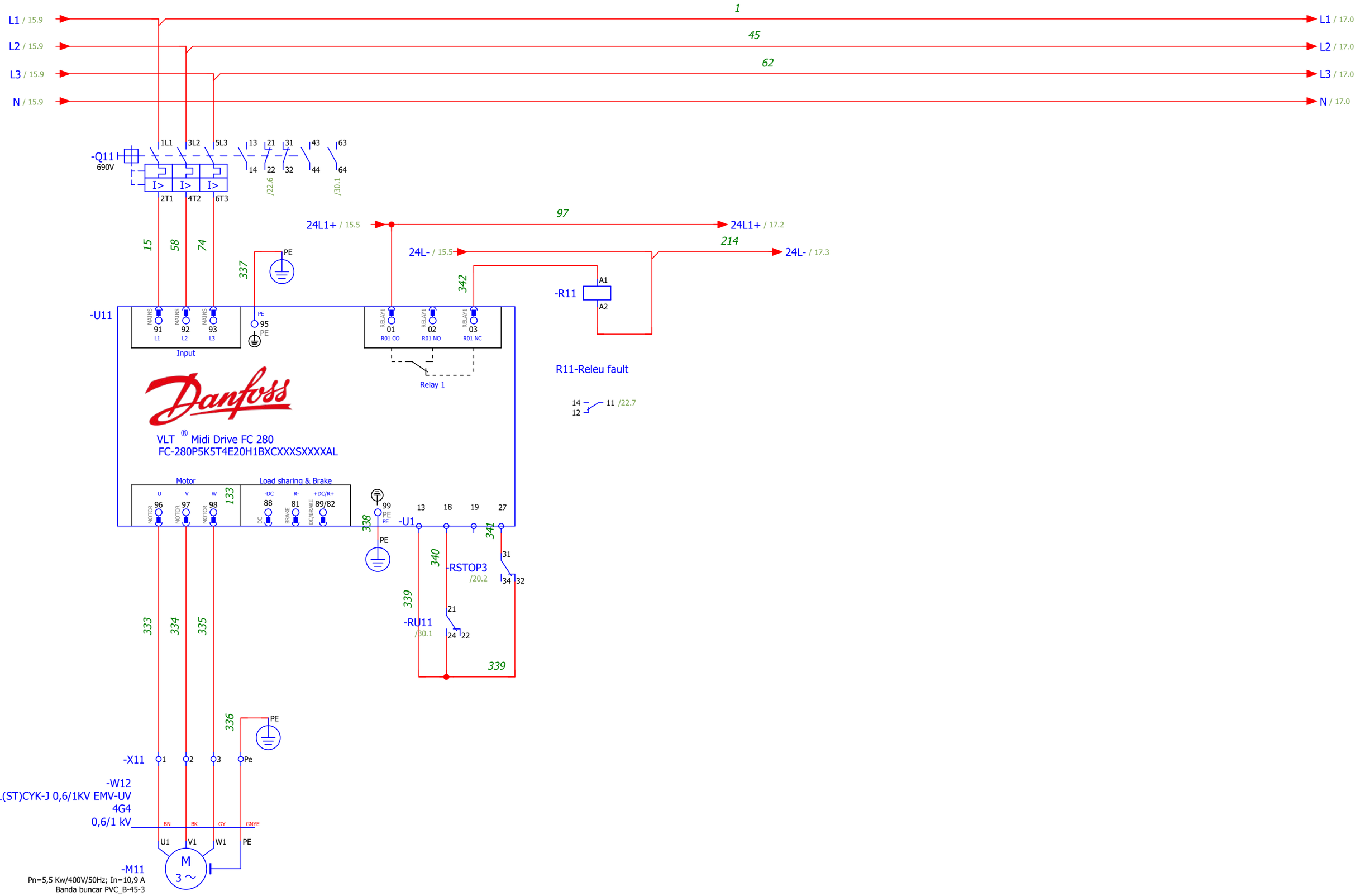
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | M9 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | | IEC_bas001 | Page 14 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 14 / 119 |




VLT ® Midi Drive FC 280
FC-280P5K5T4E20H1BXCXXXSXXXXAL

14 16

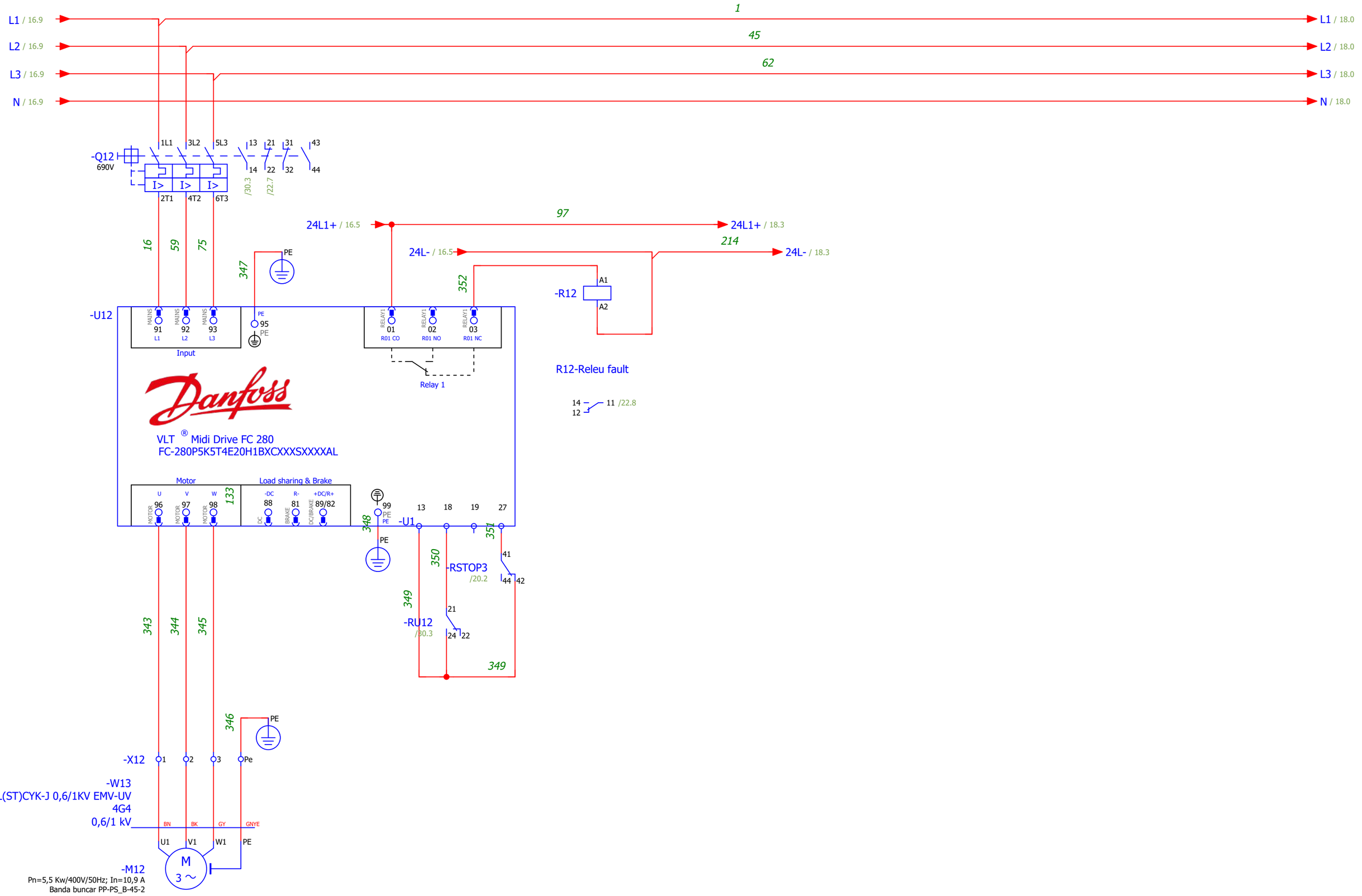
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | M10 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 15 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 15 / 119 |




15

17

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | M11 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | | IEC_bas001 | Page 16 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 16 / 119 |

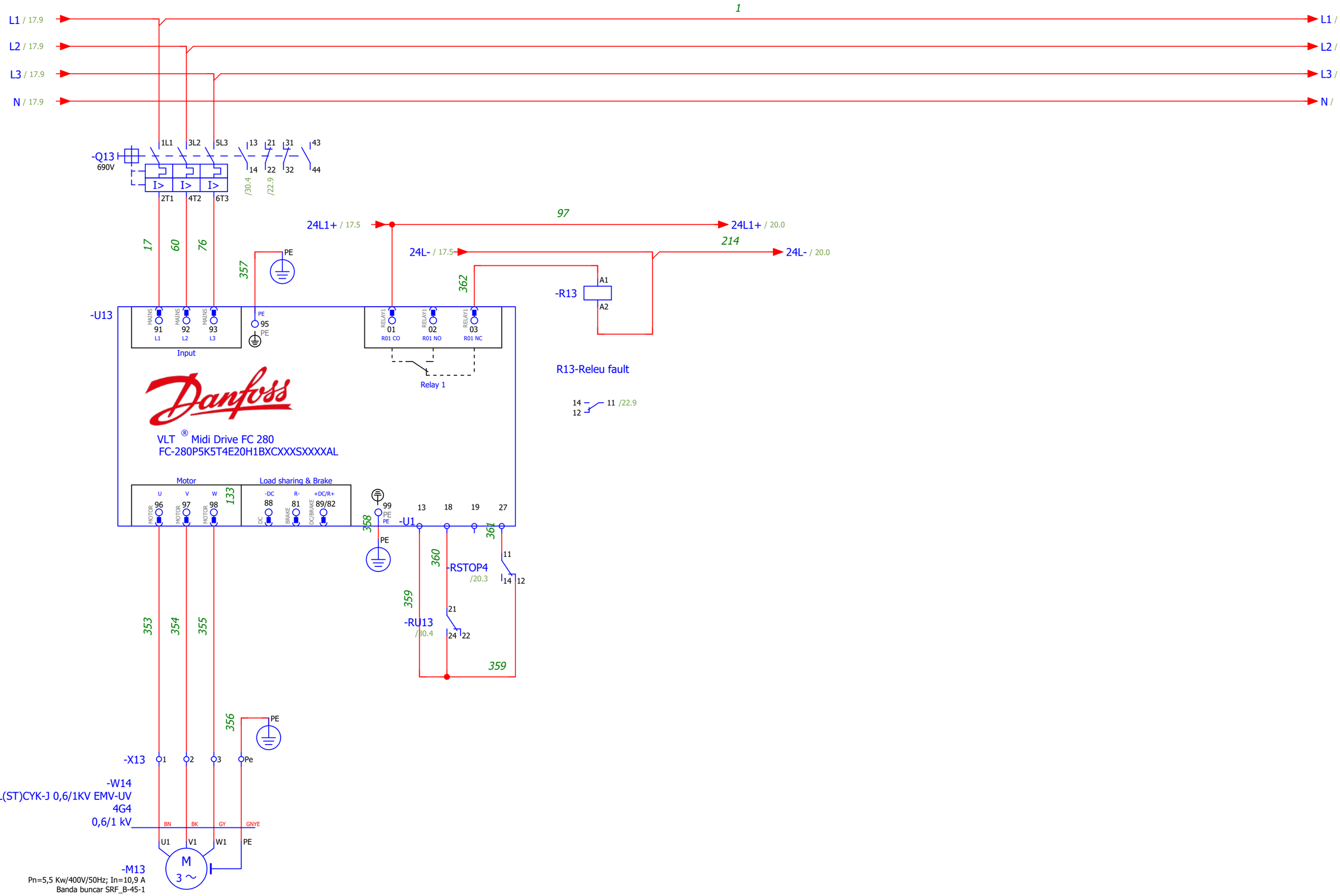



VLT ® Midi Drive FC 280
FC-280P5K5T4E20H1BXCXXXSXXXXAL

16

18

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | M12 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 17 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 17 / 119 |



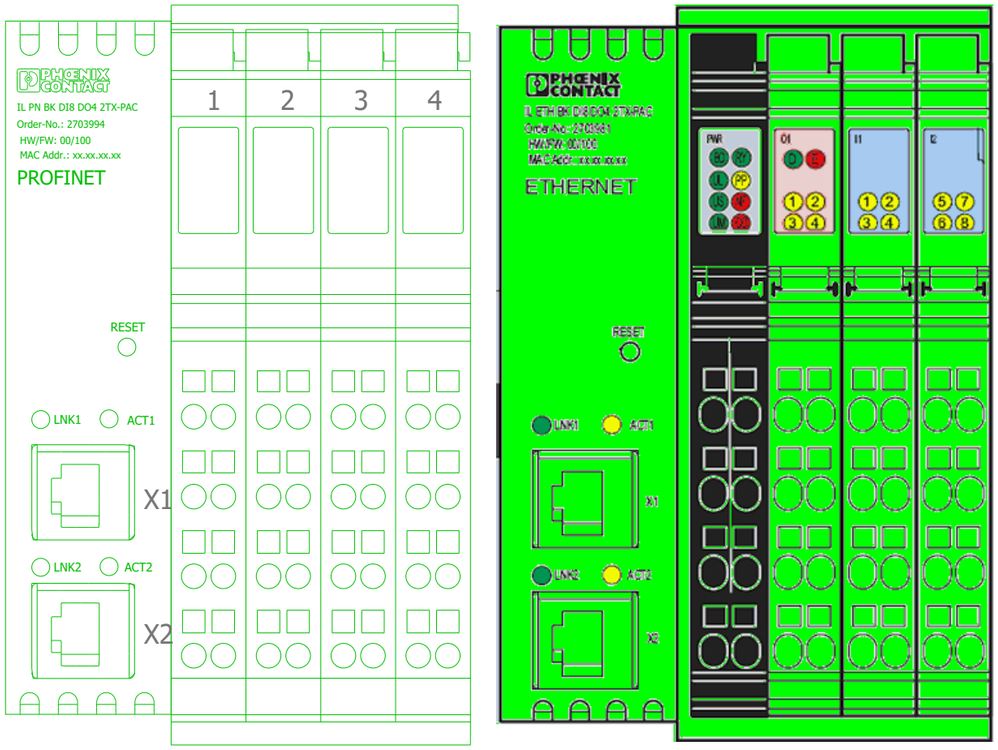

17

19

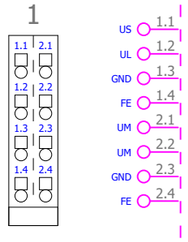
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | M13 | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | | IEC_bas001 | Page 18 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 18 / 119 |

PHOENIX CONTACT

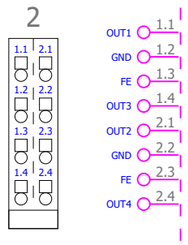
# -A0



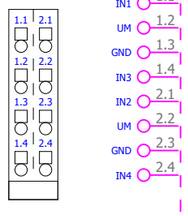

## IL PN BK DI8 DO4 2TX-PAC



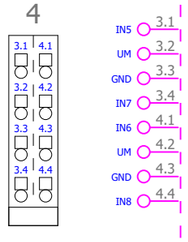

| Address: | Function text: | Symbolic Address: | Crossreference: |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



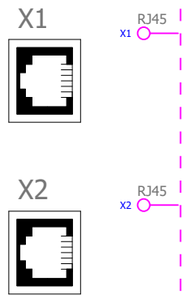

| | | | |
|---|---|---|---|
| Q0.0 | | | |
| | | | |
| | | | |
| Q0.1 | | | |
| Q0.2 | | | |
| | | | |
| | | | |
| Q0.3 | | | |
| | | | |
| | | | |
| | | | |
| | | | |




| | | | |
|---|---|---|---|
| I7.5 | Safety relay | Safety relay ok | /4.7 |
| | | | |
| | | | |
| I7.6 | | | |
| I7.7 | | | |
| | | | |
| | | | |
| I8.0 | | | |
| | | | |
| | | | |
| | | | |
| | | | |




| | | | |
|---|---|---|---|
| I8.1 | | | |
| | | | |
| | | | |
| I8.2 | | | |
| I8.3 | | | |
| | | | |
| | | | |
| I8.4 | | | |
| | | | |
| | | | |
| | | | |
| | | | |



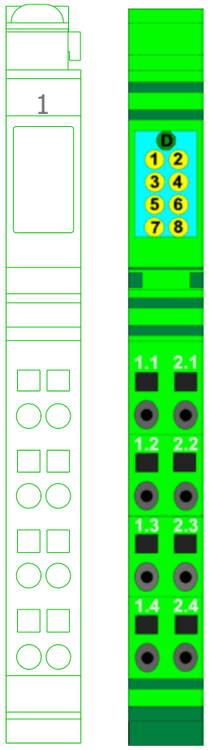

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



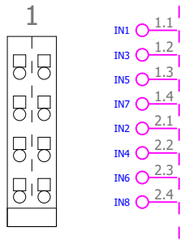
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 20/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 19 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 19 / 119 |

PHOENIX CONTACT

# -A1




## IB IL 24 DI8/HD-PAC



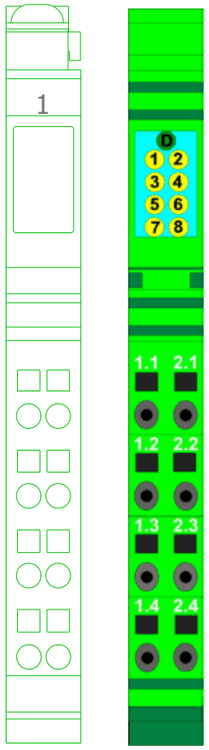

| | | | |
|---|---|---|---|
| I4.5 | Selector Man | MANUAL | /21.0 |
| I4.6 | Selector Aut | AUTOMAT | /21.2 |
| I4.7 | Monitorizare_RM | Secvnta_faza | /21.3 |
| I5.0 | Fault M1 | Defect_M1 | /21.4 |
| I5.1 | Fault M2 | Defect_M2 | /21.5 |
| I5.2 | Fault M3 | Defect_M3 | /21.6 |
| I5.3 | Fault M4 | Defect_M4 | /21.7 |
| I5.4 | Fault M5 | Defect_M5 | /21.8 |



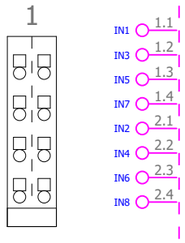
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 16/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 19.a |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 20 / 119 |

PHOENIX CONTACT

# -A2




## IB IL 24 DI8/HD-PAC




| | | | |
|---|---|---|---|
| I5.5 | Fault M6 | Defect_M6 | /22.1 |
| I5.6 | Fault M7 | Defect_M7 | /22.2 |
| I5.7 | Fault M8 | Defect_M8 | /22.3 |
| I6.0 | Fault M9 | Defect_M9 | /22.4 |
| I6.1 | Fault M10 | Defect_M10 | /22.5 |
| I6.2 | Fault M11 | Defect_M11 | /22.6 |
| I6.3 | Fault M12 | Defect_M12 | /22.7 |
| I6.4 | Fault M13 | Defect_M13 | /22.9 |

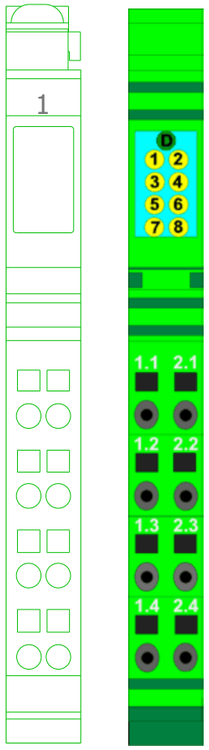
19.a

19.c

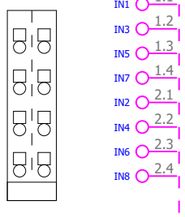
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 16/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 Page 19.b |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 21 / 119 |

PHOENIX CONTACT

# -A3




## IB IL 24 DI8/HD-PAC




| | | | |
|---|---|---|---|
| I6.5 | Buton urgenta | BU0_pe T.E. | /23.1 |
| I6.6 | Buton urgenta | BU1 | /23.2 |
| I6.7 | Buton urgenta | BU2 | /23.3 |
| I7.0 | Buton urgenta | BU3 | /23.4 |
| I7.1 | Buton urgenta | BU4 | /23.6 |
| I7.2 | Buton urgenta | BU5 | /23.7 |
| I7.3 | Buton urgenta | BU6 | /23.8 |
| I7.4 | | | |

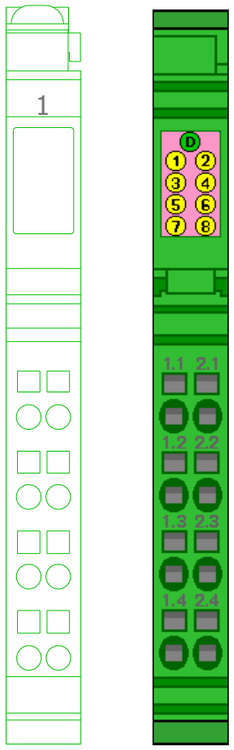
19.b

19.d

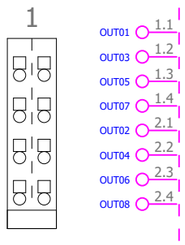
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 16/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 Page 19.c |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 22 / 119 |

PHOENIX CONTACT

# -A4



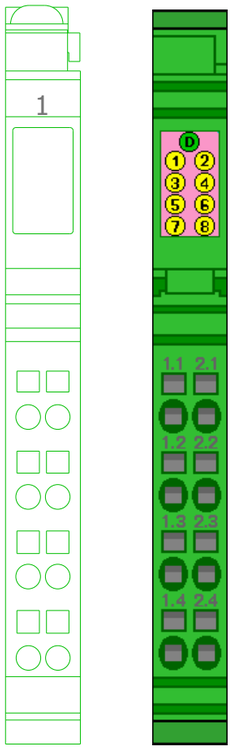

## IB IL 24 DO 8/HD-ECO



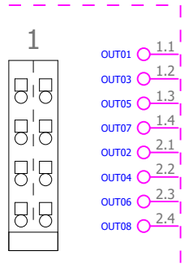

| | | | |
|---|---|---|---|
| Q9.1 | Comanda | Cmd_start_M1 | /24.0 |
| Q9.2 | Comanda | Cmd_start_M2 | /24.2 |
| Q9.3 | Comanda | Cmd_start_M3 | /24.3 |
| Q9.4 | Comanda | Cmd_start_M4 | /24.4 |
| Q9.5 | Comanda | Cmd_start_M5 | /24.5 |
| Q9.6 | Comanda | Cmd_start_M6 | /24.6 |
| Q9.7 | Comanda | Cmd_start_M7 | /24.7 |
| Q10.0 | Comanda | Cmd_start_M8 | /24.8 |

PHOENIX CONTACT

# -A5




IB IL 24 DO 8/HD-ECO




| | | | |
|---|---|---|---|
| Q6.0 | Comanda | Cmd_start_M9 | /25.0 |
| Q6.1 | Comanda | Cmd_start_M10 | /25.2 |
| Q6.2 | Comanda | Cmd_start_M11 | /25.3 |
| Q6.3 | Comanda | Cmd_start_M12 | /25.4 |
| Q6.4 | Comanda | Cmd_start_M13 | /25.5 |
| Q2.5 | Semnalizare | L-pa buncar plin B33 | /25.6 |
| Q2.6 | Semnalizare | L-pa buncar plin B34 | /25.7 |
| Q2.7 | Semnalizare | L-pa buncar plin B35 | /25.8 |

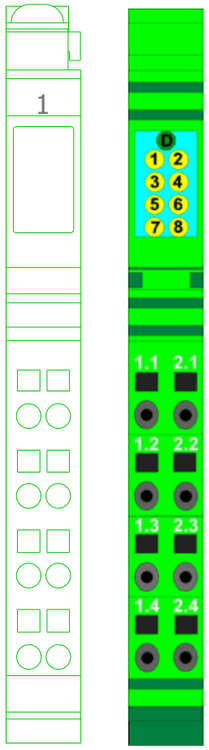
19.d

19.f

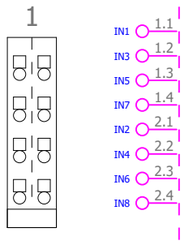
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 29/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 19.e |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 24 / 119 |

PHOENIX CONTACT

# -A6




## IB IL 24 DI8/HD-PAC




| | | | |
|---|---|---|---|
| I10.2 | Senz_optic | B33 | /26.I.0 |
| I10.3 | Senz_optic | B34 | /26.I.2 |
| I10.4 | Senz_optic | B35 | /26.I.3 |
| I10.5 | Senz_optic | B36 | /26.I.4 |
| I10.6 | Senz_optic | BU4 | /26.I.5 |
| I10.7 | Senz_optic | B38 | /26.I.6 |
| I11.0 | Senz_optic | BU6 | /26.I.7 |
| I11.1 | Senz_optic | B40 | /26.I.8 |

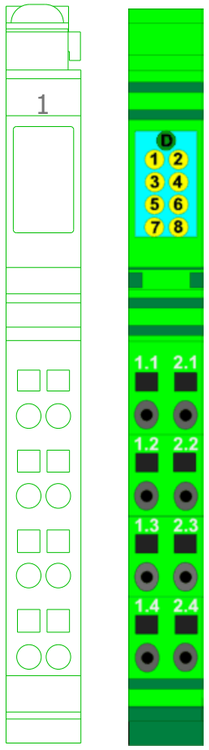
19.e

19.g

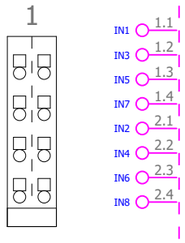
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 29/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 19.f |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 25 / 119 |

PHOENIX CONTACT

# -A7




## IB IL 24 DI8/HD-PAC




| | | | |
|---|---|---|---|
| I11.7 | Senz_optic | B41 | /26.m.0 |
| I12.0 | Senz_optic | B42 | /26.m.2 |
| I12.1 | Senz_optic | B45-3 | /26.m.3 |
| I12.2 | Senz_optic | B45-2 | /26.m.4 |
| I12.3 | Senz_optic | B45-1 | /26.m.5 |
| I12.4 | | | |
| I12.5 | | | |
| I12.6 | | | |

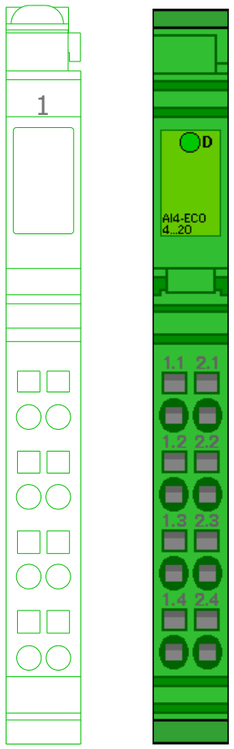
19.f

19.h

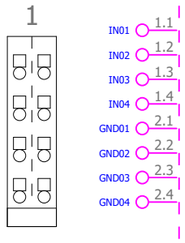
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 29/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 Page 19.g |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 26 / 119 |

PHOENIX CONTACT

# -A8




IB IL AI 4/I/4-20-ECO




| | | | |
|---|---|---|---|
| ID52 | Analog I IN 02 | Senzor_nivel_33 | /26.d.0 |
| ID56 | Analog I IN 02 | Senzor_nivel_34 | /26.d.3 |
| ID60 | Analog I IN 03 | Senzor_nivel_35 | /26.d.5 |
| ID64 | Analog I IN 04 | Senzor_nivel_36 | /26.d.7 |

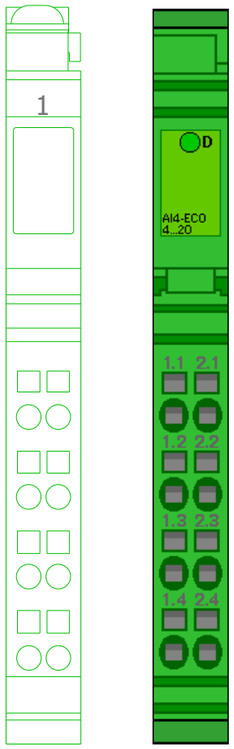
19.g

19.i

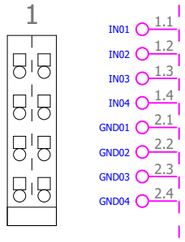
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 19.h |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 27 / 119 |

PHOENIX CONTACT

# -A9




## IB IL AI 4/I/4-20-ECO




| | | | |
|---|---|---|---|
| ID68 | Analog I IN 01 | Senzor_nivel_37 | /26.e.0 |
| ID72 | Analog I IN 02 | Senzor_nivel_38 | /26.e.3 |
| ID76 | Analog I IN 03 | Senzor_nivel_39 | /26.e.5 |
| ID80 | Analog I IN 04 | Senzor_nivel_40 | /26.e.7 |

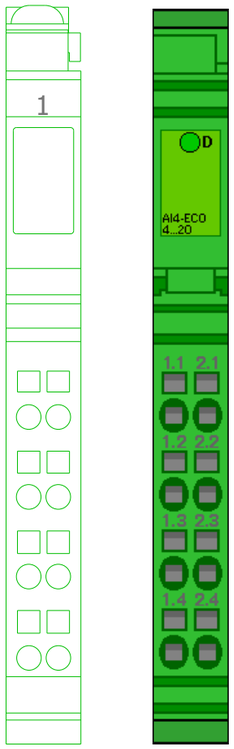
19.h

19.j

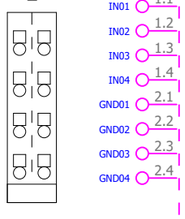
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 29/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 19.i |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 28 / 119 |

PHOENIX CONTACT

# -A10




## IB IL AI 4/I/4-20-ECO




| | | | |
|---|---|---|---|
| ID84 | Analog I IN 01 | Senzor_nivel_41 | /26.f.0 |
| ID88 | Analog I IN 02 | Senzor_nivel_42 | /26.f.3 |
| ID92 | Analog I IN 03 | Senzor_nivel_45-3 | /26.f.5 |
| ID96 | Analog I IN 04 | Senzor_nivel_45-2 | /26.f.7 |

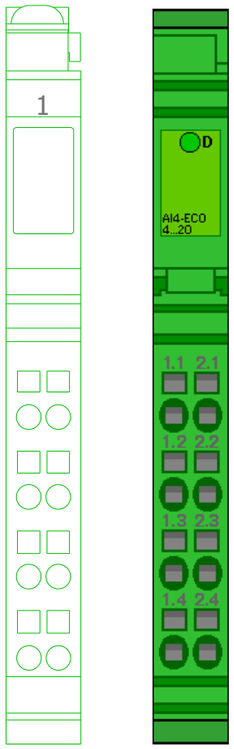
19.i

19.k

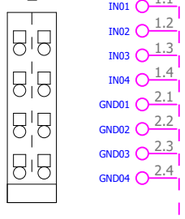
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 29/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 Page 19.j |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 29 / 119 |

PHOENIX CONTACT

# -A11




## IB IL AI 4/I/4-20-ECO




| | | | |
|---|---|---|---|
| ID100 | Analog I IN 01 | Senzor_nivel_45-1 | /26.g.0 |
| ID104 | | | |
| ID108 | | | |
| ID112 | | | |

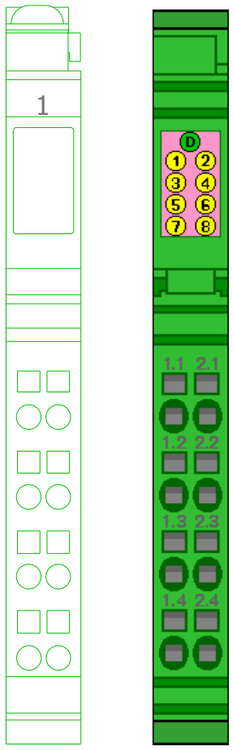
19.j

19.l

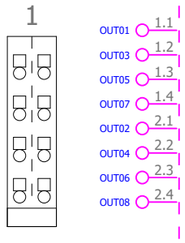
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 29/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 19.k |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 30 / 119 |

PHOENIX CONTACT

# -A12




## IB IL 24 DO 8/HD-ECO




| | | | |
|---|---|---|---|
| Q10.3 | Semnalizare | L-pa buncar plin B36 | /26.0 |
| Q10.4 | Semnalizare | L-pa buncar plin B37 | /26.1 |
| Q10.5 | Semnalizare | L-pa buncar plin B38 | /26.3 |
| Q10.6 | Semnalizare | L-pa buncar plin B39 | /26.4 |
| Q10.7 | Semnalizare | L-pa buncar plin B40 | /26.5 |
| Q11.0 | Semnalizare | L-pa buncar plin B41 | /26.6 |
| Q11.1 | Semnalizare | L-pa buncar plin B42 | /26.7 |
| Q11.2 | Semnalizare | L-pa buncar plin B45-3 | /26.8 |

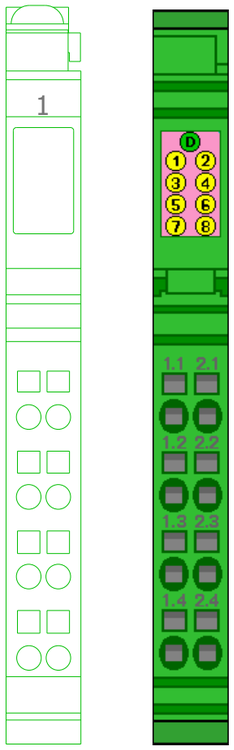
19.k

19.m

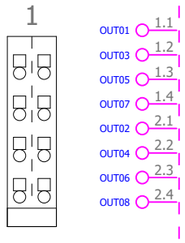
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 19.l |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 31 / 119 |

PHOENIX CONTACT

# -A13



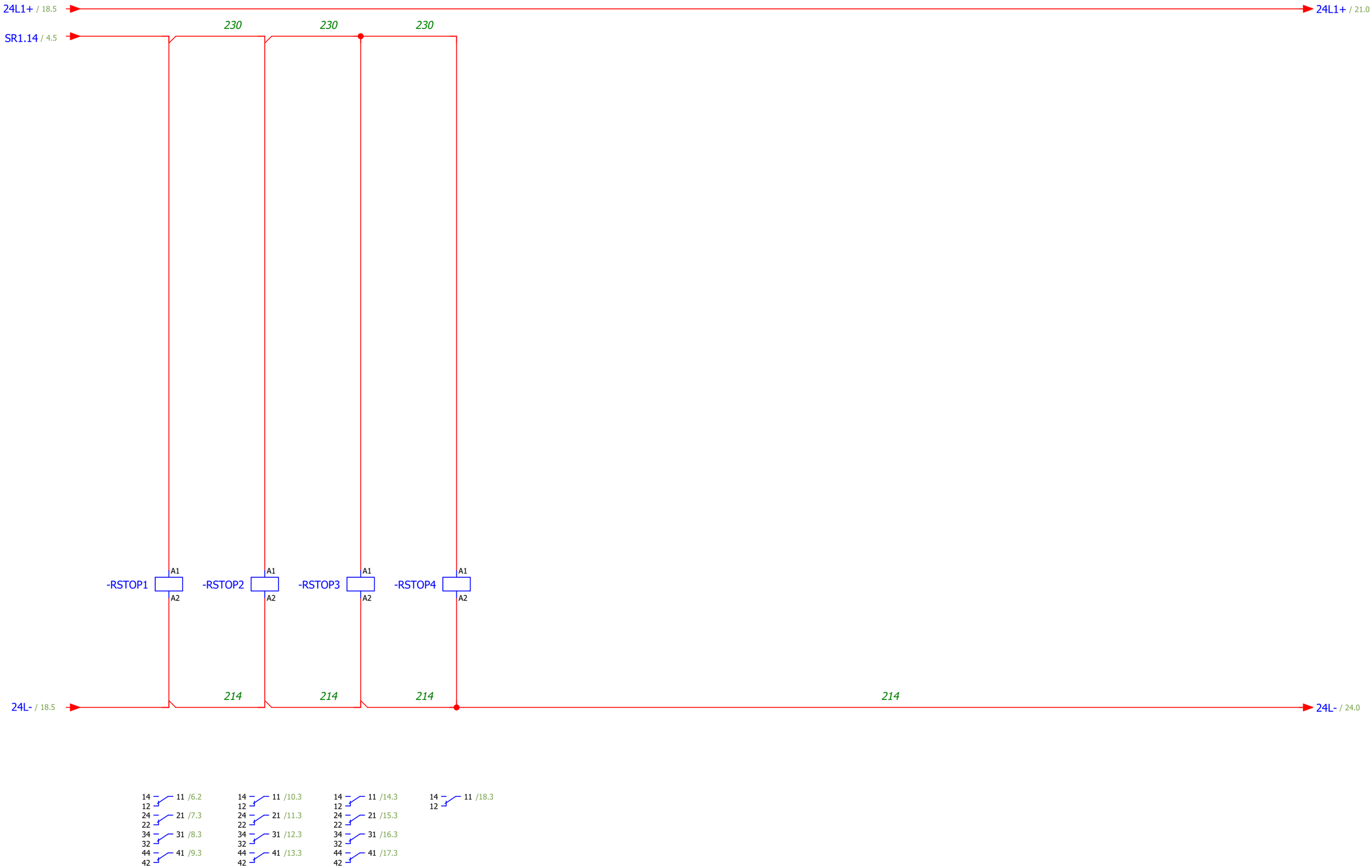

## IB IL 24 DO 8/HD-ECO




| | | | |
|---|---|---|---|
| Q11.3 | Semnalizare | L-pa buncar plin B45-2 | /26.a.1 |
| Q11.4 | Semnalizare | L-pa buncar plin B45-1 | /26.a.2 |
| Q11.5 | | | |
| Q11.6 | | | |
| Q11.7 | | | |
| Q12.0 | | | |
| Q12.1 | | | |
| Q12.2 | | | |

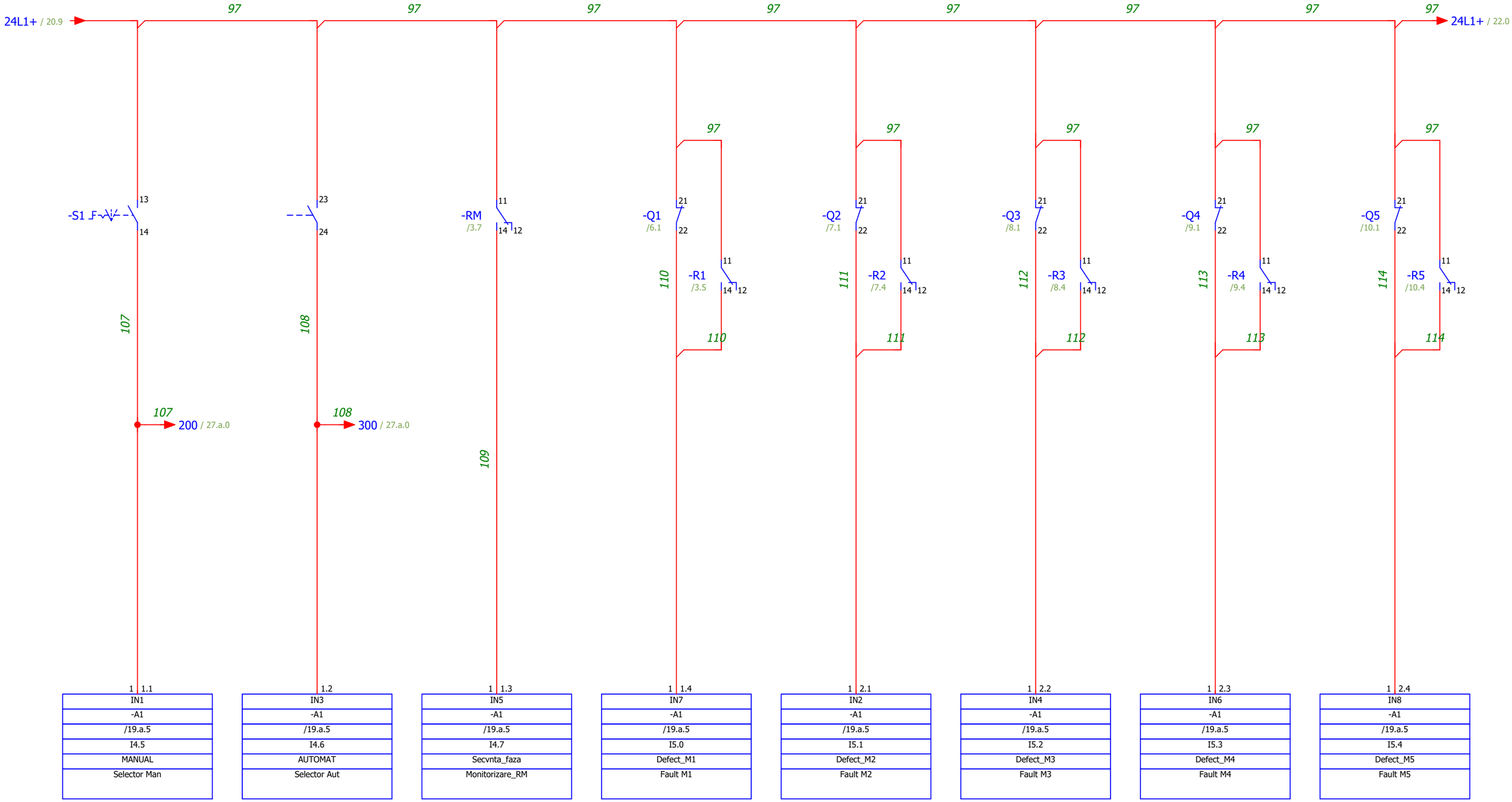


| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | PLC | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 19.m |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 32 / 119 |



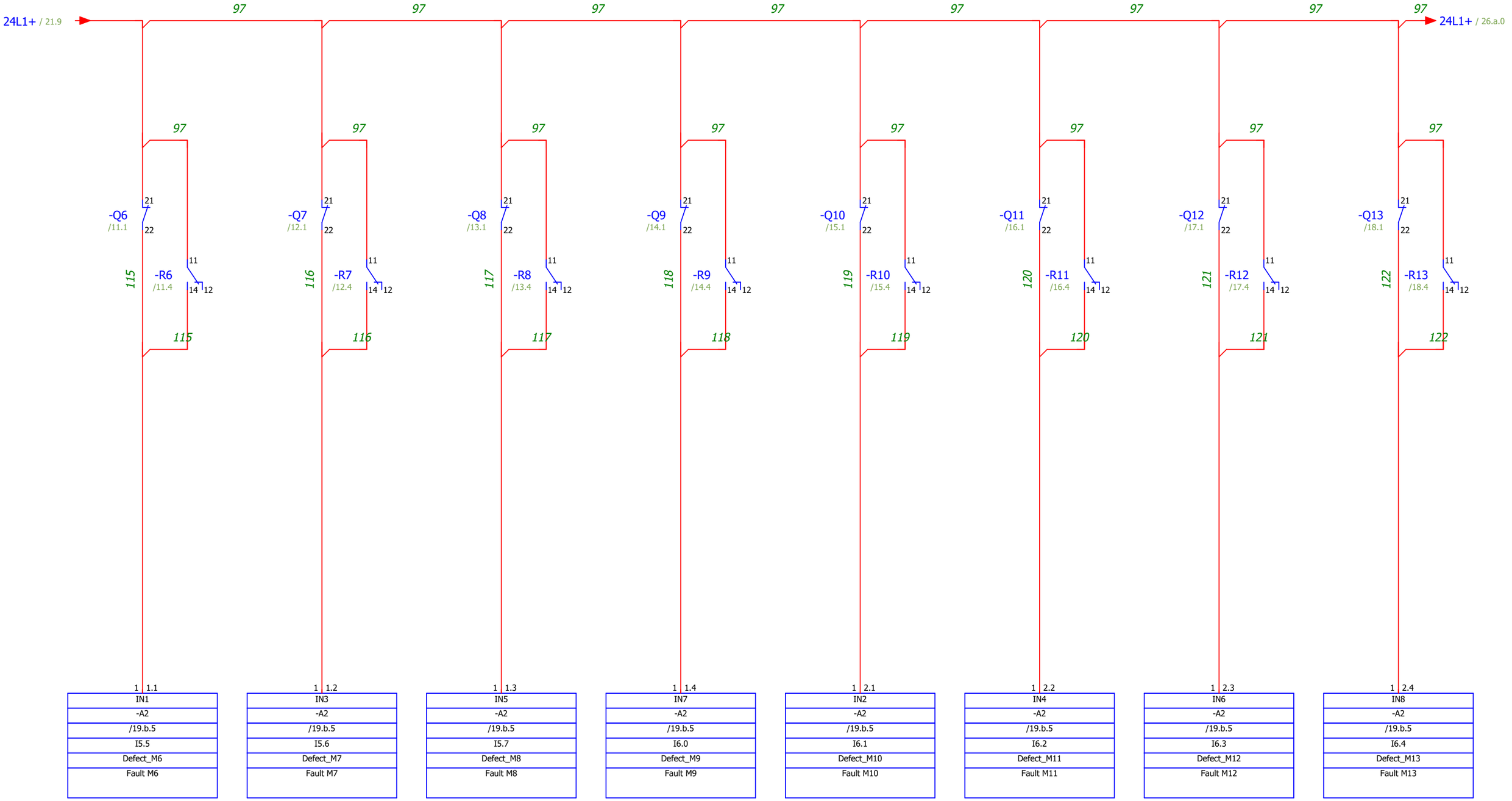


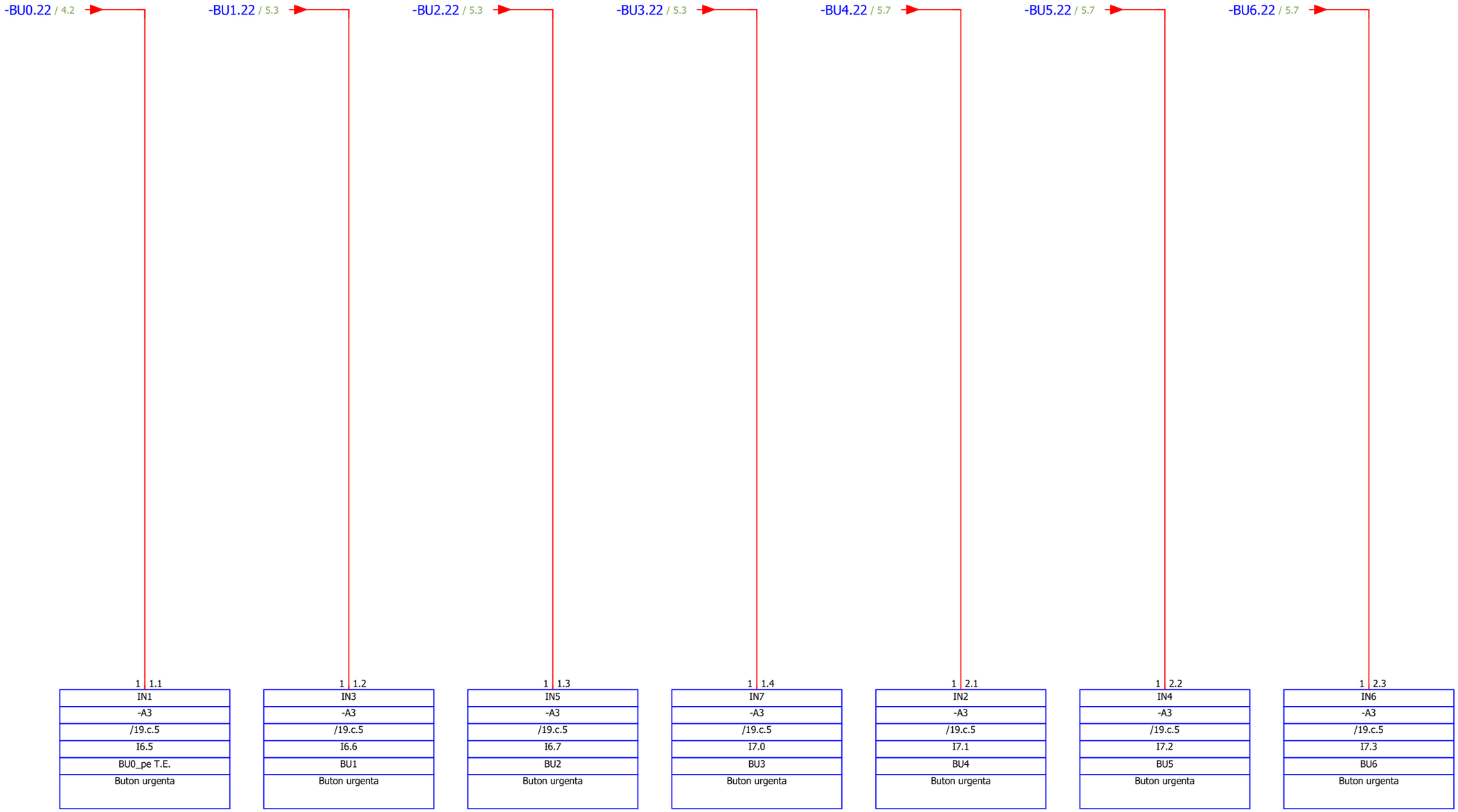

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 20 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 33 / 119 |





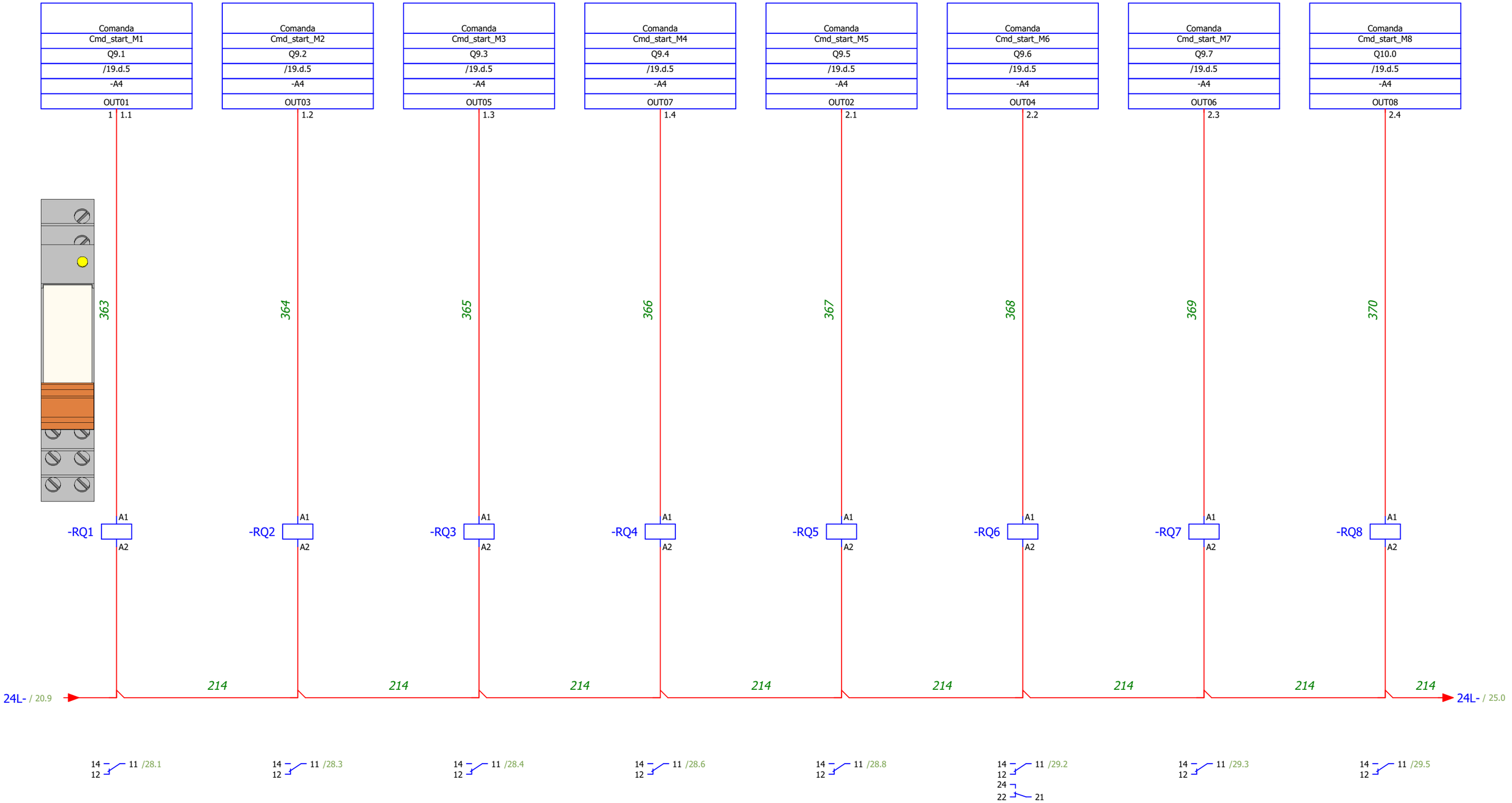

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 21 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 34 / 119 |


24L1+ / 21.9
24L1+ / 26.a.0
97
-Q6 /11.1
-R6 /11.4
-Q7 /12.1
-R7 /12.4
-Q8 /13.1
-R8 /13.4
-Q9 /14.1
-R9 /14.4
-Q10 /15.1
-R10 /15.4
-Q11 /16.1
-R11 /16.4
-Q12 /17.1
-R12 /17.4
-Q13 /18.1
-R13 /18.4
21
22
11
12
14
115
116
117
118
119
120
121
122
1 1.1
IN1
-A2
/19.b.5
I5.5
Defect_M6
Fault M6
1 1.2
IN3
-A2
/19.b.5
I5.6
Defect_M7
Fault M7
1 1.3
IN5
-A2
/19.b.5
I5.7
Defect_M8
Fault M8
1 1.4
IN7
-A2
/19.b.5
I6.0
Defect_M9
Fault M9
1 2.1
IN2
-A2
/19.b.5
I6.1
Defect_M10
Fault M10
1 2.2
IN4
-A2
/19.b.5
I6.2
Defect_M11
Fault M11
1 2.3
IN6
-A2
/19.b.5
I6.3
Defect_M12
Fault M12
1 2.4
IN8
-A2
/19.b.5
I6.4
Defect_M13
Fault M13



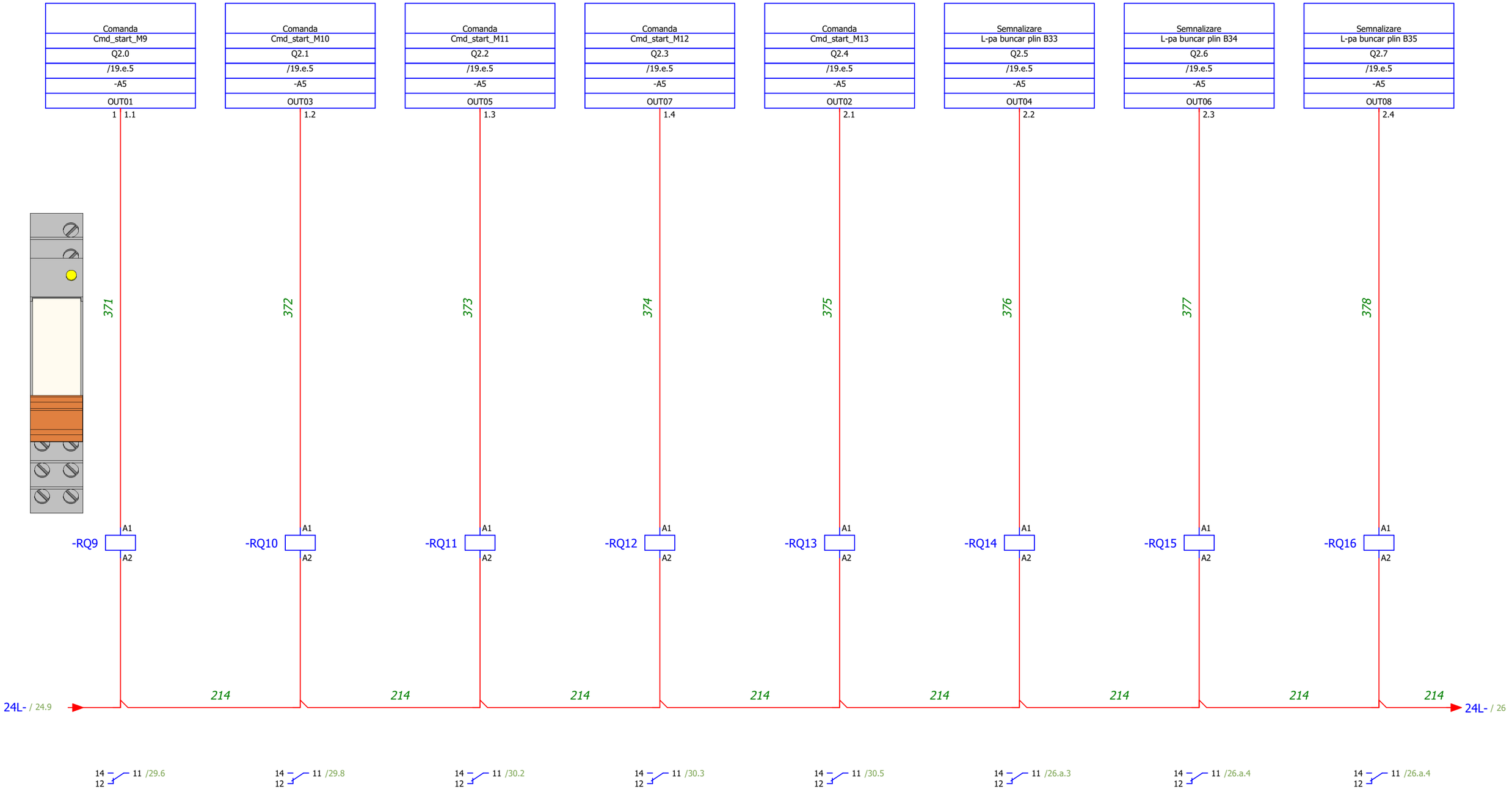



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 29/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 23 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 36 / 119 |





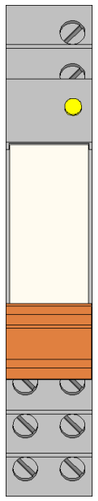

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 24 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 37 / 119 |






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 25 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 38 / 119 |

| Semnalizare | Semnalizare | Semnalizare | Semnalizare | Semnalizare | Semnalizare | Semnalizare | Semnalizare |
|---|---|---|---|---|---|---|---|
| L-pa buncar plin B36 | L-pa buncar plin B37 | L-pa buncar plin B38 | L-pa buncar plin B39 | L-pa buncar plin B40 | L-pa buncar plin B41 | L-pa buncar plin B42 | L-pa buncar plin B45-3 |
| Q10.3 | Q10.4 | Q10.5 | Q10.6 | Q10.7 | Q11.0 | Q11.1 | Q11.2 |
| /19.I.5 | /19.I.5 | /19.I.5 | /19.I.5 | /19.I.5 | /19.I.5 | /19.I.5 | /19.I.5 |
| -A12 | -A12 | -A12 | -A12 | -A12 | -A12 | -A12 | -A12 |
| OUT01 | OUT03 | OUT05 | OUT07 | OUT02 | OUT04 | OUT06 | OUT08 |
| 1 1.1 | 1 1.2 | 1 1.3 | 1 1.4 | 1 2.1 | 1 2.2 | 1 2.3 | 1 2.4 |



379 380 381 382 383 384 385 386

A1 A2 -RQ17 -RQ18 -RQ19 -RQ20 -RQ21 -RQ22 -RQ23 -RQ24

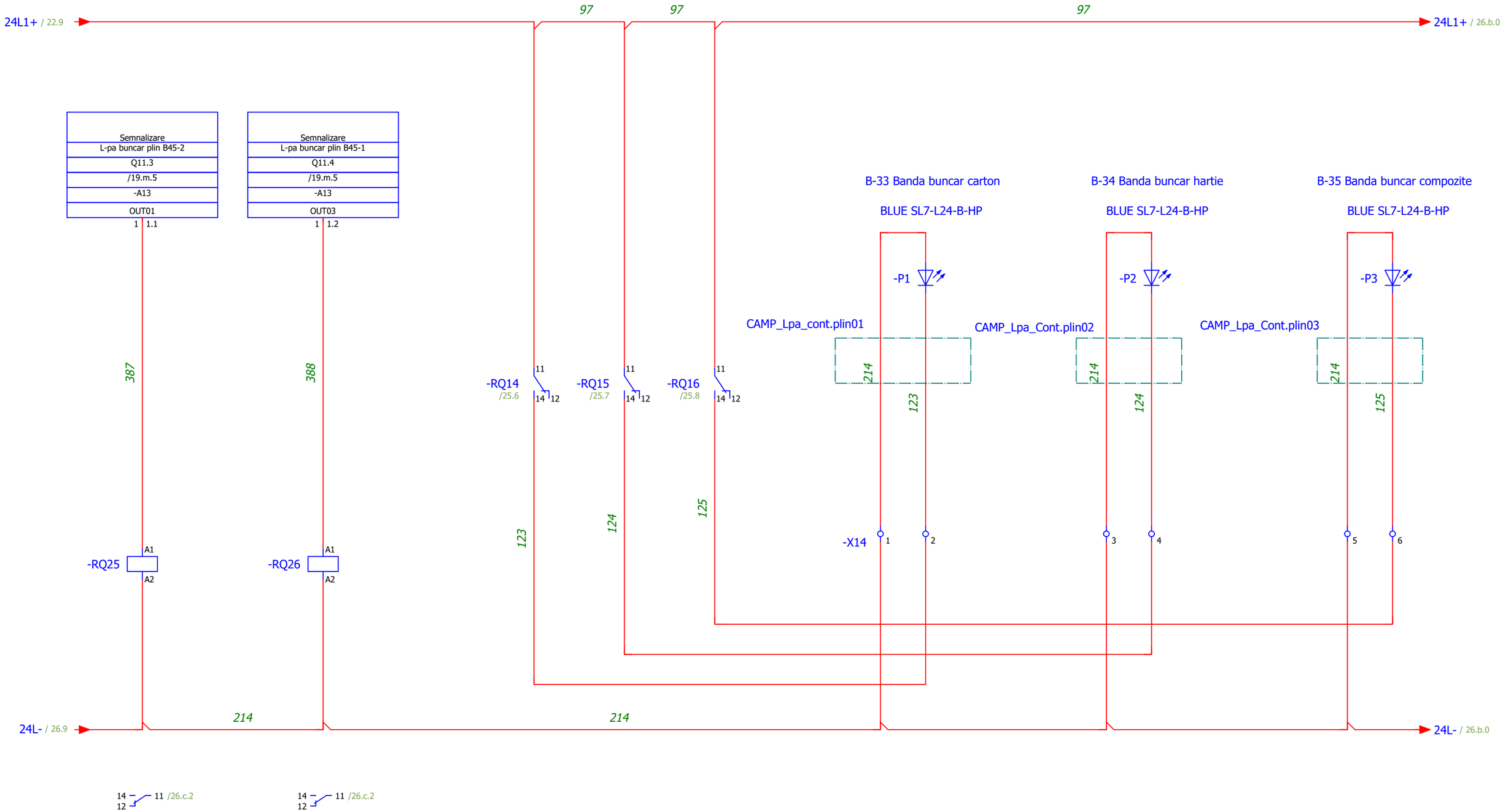
214 214 214 214 214 214 214 214 214

24L- / 26.a.0

14 11 /26.b.0 | 14 11 /26.b.1 | 14 11 /26.b.1 | 14 11 /26.b.2 | 14 11 /26.b.3 | 14 11 /26.c.0 | 14 11 /26.c.1 | 14 11 /26.c.1
12 | 12 | 12 | 12 | 12 | 12 | 12 | 12

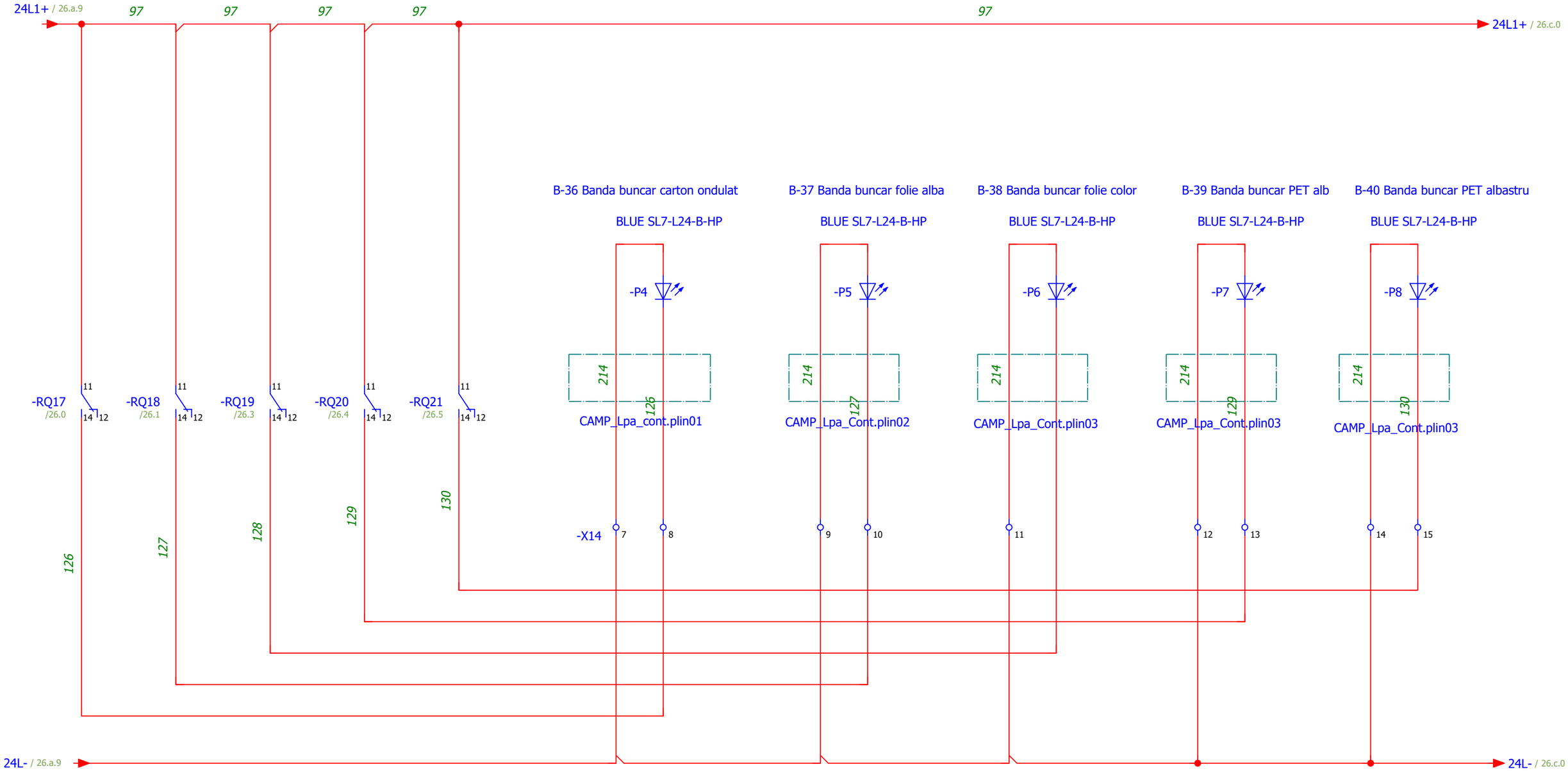


| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | |



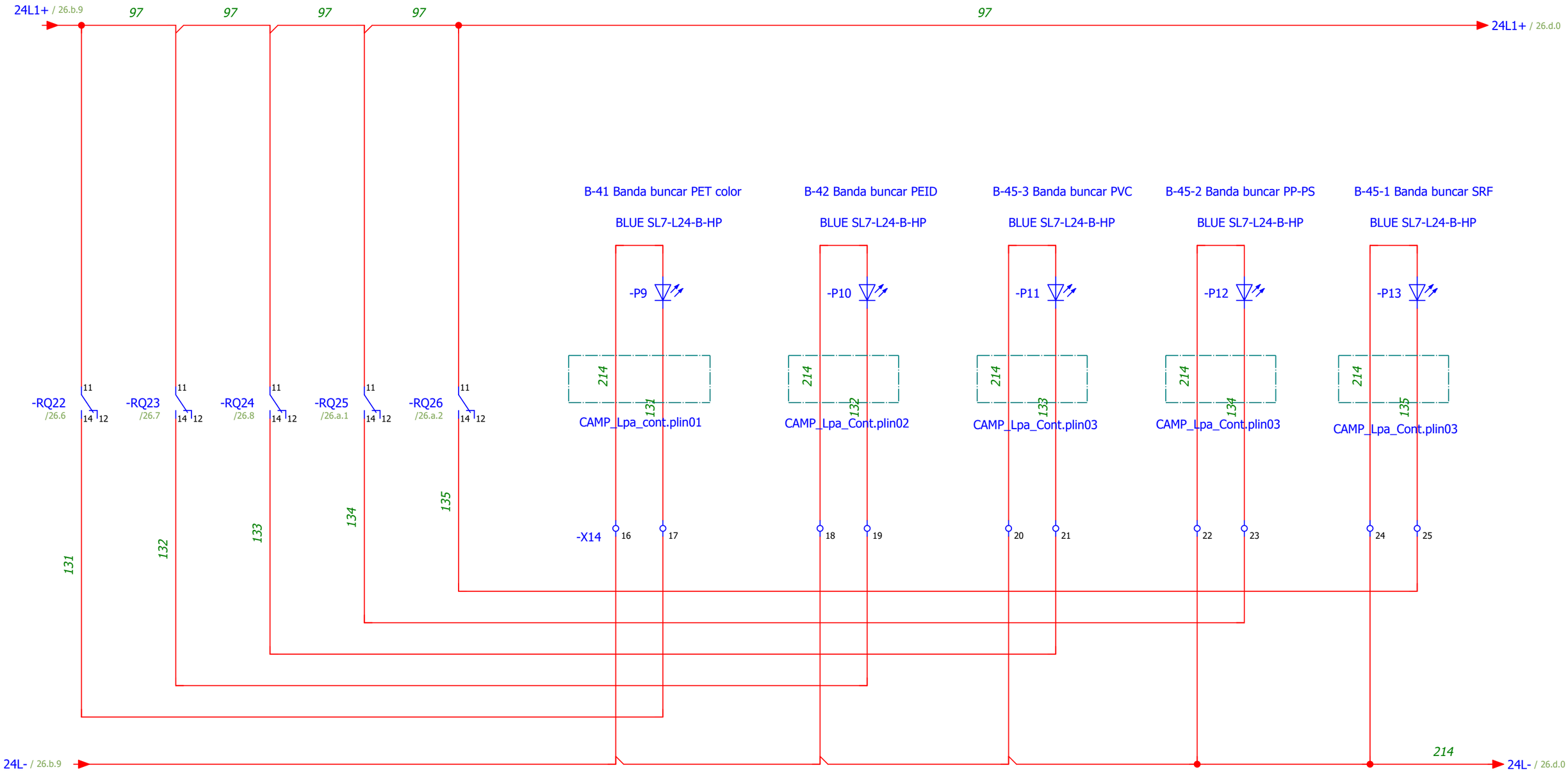



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 26.a |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 40 / 119 |




26.a 26.c

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 26.b |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 41 / 119 |




26.b

26.d

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 26.c |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 42 / 119 |

24L1+ / 26.c.9

24L1+ / 26.e.0

389

1 1.1 IN01 | 1 2.1 -GN01
-A8
/19.h.5
ID52
Senzor_nivel_33
Analog I IN 02

390

1 1.2 IN02 | 1 2.2 -GN02
-A8
/19.h.5
ID56
Senzor_nivel_34
Analog I IN 02

391

1 1.3 IN03 | 1 2.3 -GN03
-A8
/19.h.5
ID60
Senzor_nivel_35
Analog I IN 03

392

1 1.4 IN04 | 1 2.4 -GN04
-A8
/19.h.5
ID64
Senzor_nivel_36
Analog I IN 04

-X15 1 2

-W15
LiYCY 04X1 GR
4x1
250/250 V WH BN

-X15 4 5

-W16
LiYCY 04X1 GR
4x1
250/250 V WH BN

-X15 7 8

-W17
LiYCY 04X1 GR
4x1
250/250 V WH BN

10 11

-W18
LiYCY 04X1 GR
4x1
250/250 V WH BN

-Camp_B33

-BG1
Sn=3500mm
M12
UIT501
10...30 VDC L+ 1, L- 3
Out1/ IO-Link 4
4-20mA OUT2 2

214

-X15 3

-Camp_B34

-BG2
Sn=3500mm
M12
UIT501
10...30 VDC L+ 1, L- 3
Out1/ IO-Link 4
4-20mA OUT2 2

214

6

-Camp_B35

-BG3
Sn=3500mm
M12
UIT501
10...30 VDC L+ 1, L- 3
Out1/ IO-Link 4
4-20mA OUT2 2

214

9

-Camp_B36

-BG4
Sn=3500mm
M12
UIT501
10...30 VDC L+ 1, L- 3
Out1/ IO-Link 4
4-20mA OUT2 2

214

12

214 214 214 214 214 214 214

24L- / 26.c.9

24L- / 26.e.1

SENZOR ULTRASONIC DIFUZ UIT501

SENZOR ULTRASONIC DIFUZ UIT501

SENZOR ULTRASONIC DIFUZ UIT501

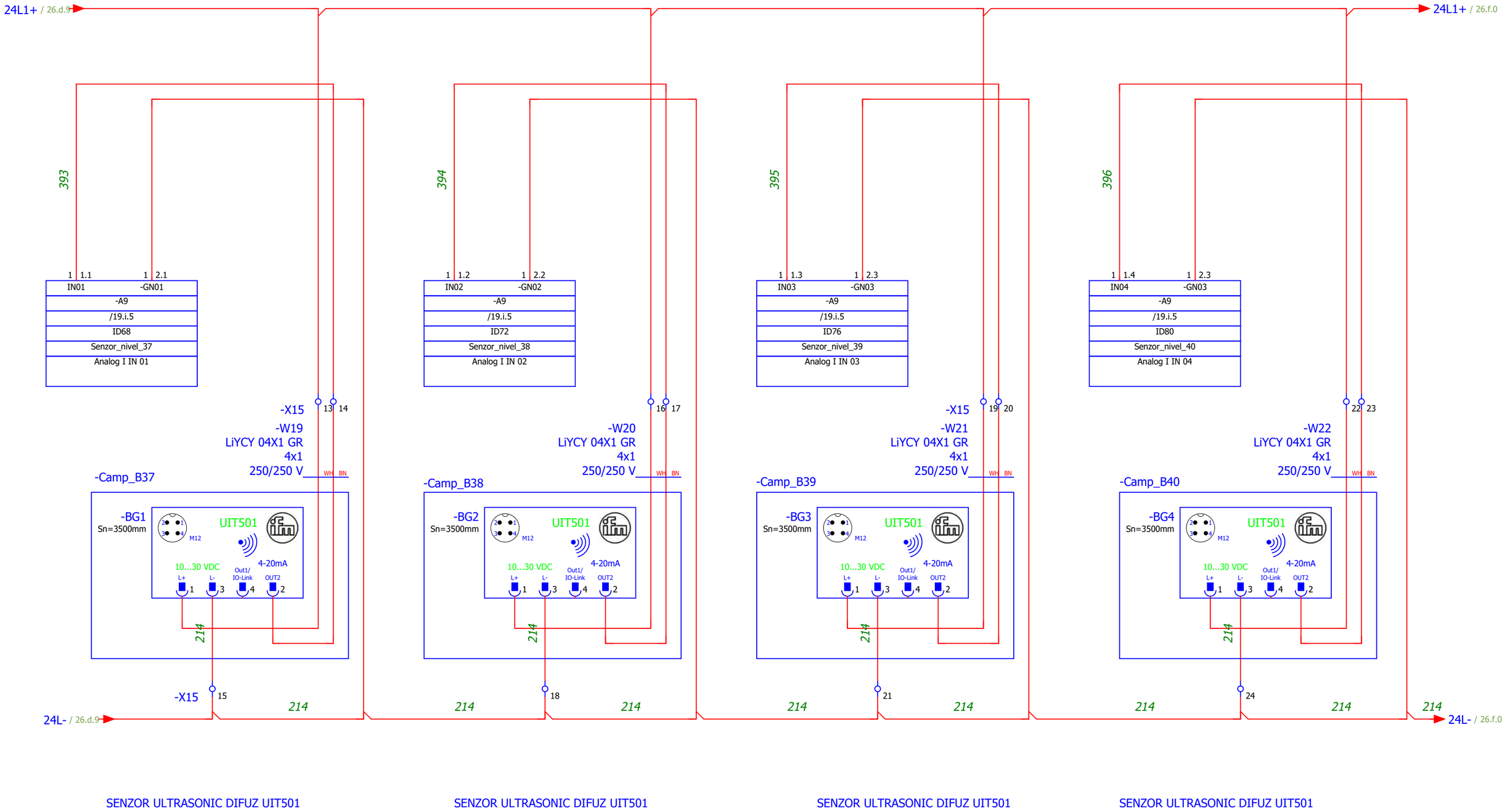
SENZOR ULTRASONIC DIFUZ UIT501

26.c

26.e

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Senz_ultrasonici_nivel | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 26.d |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 43 / 119 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|




SENZOR ULTRASONIC DIFUZ UIT501

SENZOR ULTRASONIC DIFUZ UIT501

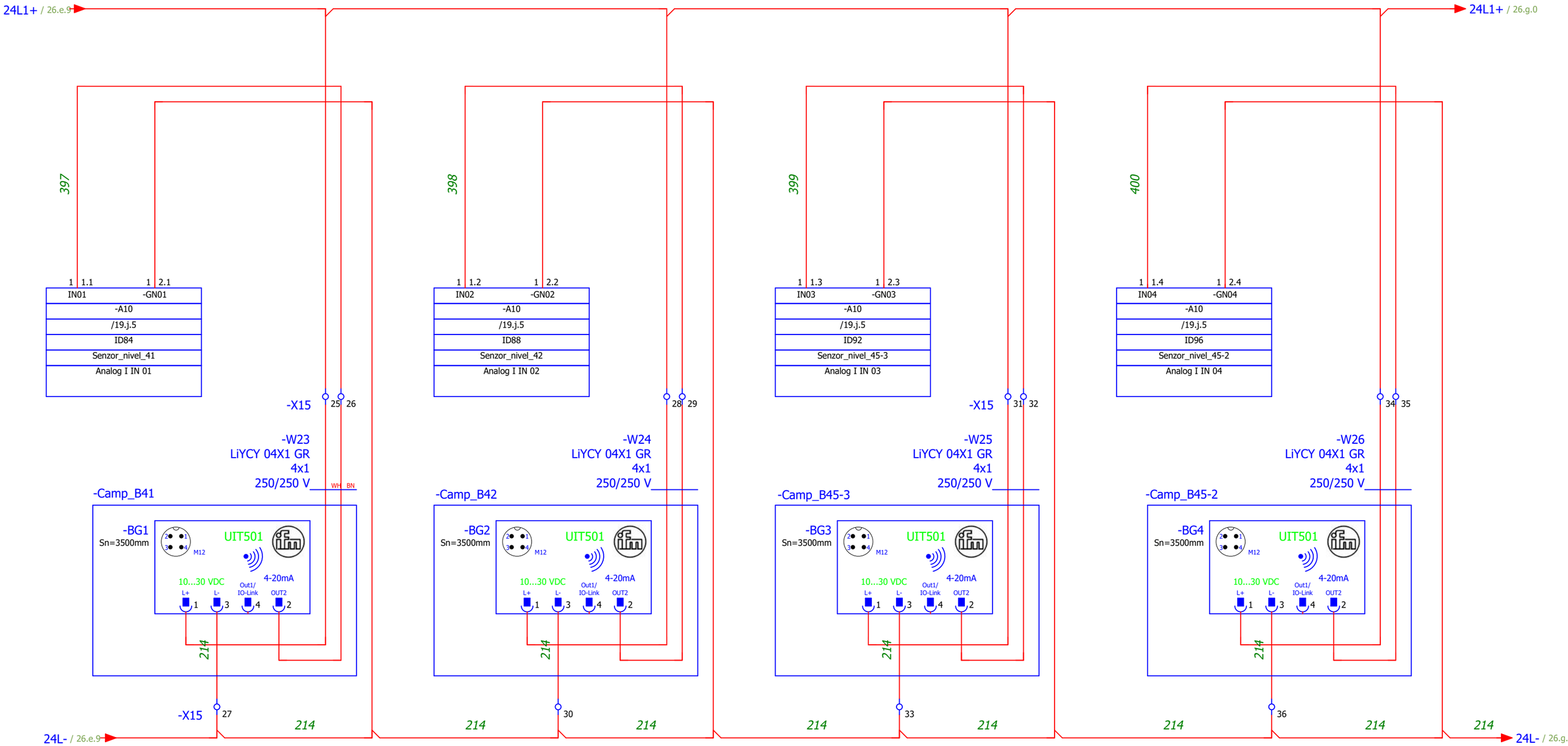
SENZOR ULTRASONIC DIFUZ UIT501

SENZOR ULTRASONIC DIFUZ UIT501

26.d

26.f

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Senz_ultrasonici_nivel | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 26.e |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 44 / 119 |




SENZOR ULTRASONIC DIFUZ UIT501

SENZOR ULTRASONIC DIFUZ UIT501

SENZOR ULTRASONIC DIFUZ UIT501

SENZOR ULTRASONIC DIFUZ UIT501

26.e

26.g

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Senz_ultrasonici_nivel | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 26.f |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 45 / 119 |

24L1+ / 26.f.9

24L1+ / 26.h.0

401

1 1.1 IN01

1 2.1 -GN01

-A11

/19.k.5

ID100

Senzor_nivel_45-1

Analog I IN 01

-X15 37 38

-W27
LiYCY 04X1 GR
4x1
250/250 V

-Camp_B45-1

-BG1
Sn=3500mm

M12

UIT501

10...30 VDC

4-20mA

L+ 1 L- 3 Out1/ IO-Link 4 OUT2 2

214

-X15 39

24L- / 26.f.9

214

214

24L- / 26.h.0

SENZOR ULTRASONIC DIFUZ UIT501

26.f

26.h

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Senz_ultrasonici_nivel | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 26.g |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 46 / 119 |

0 1 2 3 4 5 6 7 8 9

24L1+ / 26.g.9

24L- / 26.g.9

214 214 214 214

24L1+ / 26.i.0

24L- / 26.i.0









## Buncar 33

E20744

-S_OPT_1
0,1...7 m

OLV200

M12

10-36 V DC

L+ L- Out n.c.

1 3 4 2

97 214 402

-X16 1 2 3

-W28
YSLY-JZ 04X1 GR
4x1
300/500 V

1 2 3

-R14 A1 A2

14 12 11 /26.l.0

## Buncar 34

E20744

-S_OPT_2
0,1...7 m

OLV200

M12

10-36 V DC

L+ L- Out n.c.

1 3 4 2

97 214 403

4 5 6

-W29
YSLY-JZ 04X1 GR
4x1
300/500 V

-R15 A1 A2

14 12 11 /26.l.2

## Buncar 35

E20744

-S_OPT_3
0,1...7 m

OLV200

M12

10-36 V DC

L+ L- Out n.c.

1 3 4 2

97 214 404

7 8 9

-W30
YSLY-JZ 04X1 GR
4x1
300/500 V

-R16 A1 A2

14 12 11 /26.l.3

## Buncar 36

E20744

-S_OPT_4
0,1...7 m

OLV200

M12

10-36 V DC

L+ L- Out n.c.

1 3 4 2

97 214 405

10 11 12

-W31
YSLY-JZ 04X1 GR
4x1
300/500 V

-R17 A1 A2

14 12 11 /26.l.4

26.g 26.i

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Senz_optic_retro_reflex | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 Page 26.h |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 47 / 119 |

24L1+ / 26.h.9

/ 26.h.9

214 214 214 214

24L1+ / 26.j.0

24L- / 26.j.0






## Buncar 37

E20744

-S_OPT_5
0,1...7 m

OLV200 OLV0004

M12

10-36 V DC
L+ L- Out n.c.
1 3 4 2

97 214 406

-X16 13 14 15

-W32
YSLY-JZ 04X1 GR
4x1
300/500 V

-R18 A1 A2

14 12 11 /26.l.5

## Buncar 38

E20744

-S_OPT_6
0,1...7 m

OLV200 OLV0004

M12

10-36 V DC
L+ L- Out n.c.
1 3 4 2

97 214 407

16 17 18

-W33
YSLY-JZ 04X1 GR
4x1
300/500 V

-R19 A1 A2

14 12 11 /26.l.6

## Buncar 39

E20744

-S_OPT_7
0,1...7 m

OLV200 OLV0004

M12

10-36 V DC
L+ L- Out n.c.
1 3 4 2

97 214 408

19 20 21

-W34
YSLY-JZ 04X1 GR
4x1
300/500 V

-R20 A1 A2

14 12 11 /26.l.7

## Buncar 40

E20744

-S_OPT_8
0,1...7 m

OLV200 OLV0004

M12

10-36 V DC
L+ L- Out n.c.
1 3 4 2

97 214 409

22 23 24

-W35
YSLY-JZ 04X1 GR
4x1
300/500 V

-R21 A1 A2

14 12 11 /26.l.8

26.h

26.j

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Senz_optic_retro_reflex | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 Page 26.i |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 48 / 119 |

24L1+ / 26.i.8

24L- / 26.i.8

214



## Buncar 41

E20744

-S_OPT_9
0,1...7 m

OLV200

M12

10-36 V DC
L+ L- Out n.c.
1 3 4 2

97 214 410

-X16 25 26 27

-W36
YSLY-JZ 04X1 GR
4x1
300/500 V

-R22 A1 A2

14 12 11 /26.m.0

214



## Buncar 42

E20744

-S_OPT_10
0,1...7 m

OLV200

M12

10-36 V DC
L+ L- Out n.c.
1 3 4 2

97 214 411

28 29 30

-W37
YSLY-JZ 04X1 GR
4x1
300/500 V

-R23 A1 A2

14 12 11 /26.m.2

214



## Buncar 45-3

E20744

-S_OPT_11
0,1...7 m

OLV200

M12

10-36 V DC
L+ L- Out n.c.
1 3 4 2

97 214 412

31 32 33

-W38
YSLY-JZ 04X1 GR
4x1
300/500 V

-R24 A1 A2

14 12 11 /26.m.3

214

24L1+ / 26.k.0

24L- / 26.k.0



## Buncar 45-2

E20744

-S_OPT_12
0,1...7 m

OLV200

M12

10-36 V DC
L+ L- Out n.c.
1 3 4 2

97 214 413

34 35 36

-W39
YSLY-JZ 04X1 GR
4x1
300/500 V

-R25 A1 A2

14 12 11 /26.m.4

26.i

26.k

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Senz_optic_retro_reflex | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 Page 26.j |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 49 / 119 |

24L1+ / 26.j.9

24L- / 26.j.9

214

24L1+ / 26.l.0

24L- / 27.a.0



## Buncar 45-1

E20744

-S_OPT_13
0,1...7 m

OLV200

M12

10-36 V DC

| L+ | L- | Out | n.c. |
|---|---|---|---|
| 1 | 3 | 4 | 2 |

97 214 414

-X16 37 38 39

-W40
YSLY-JZ 04X1 GR
4x1
300/500 V

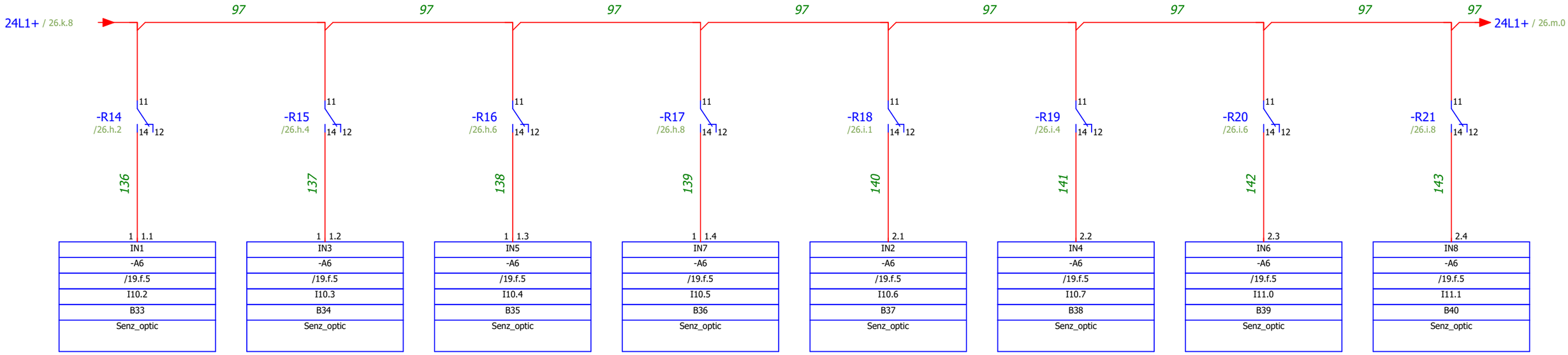
-R26 A1 A2

14 — 11 /26.m.5
12



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Senz_optic_retro_reflex | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 26.k |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 50 / 119 |

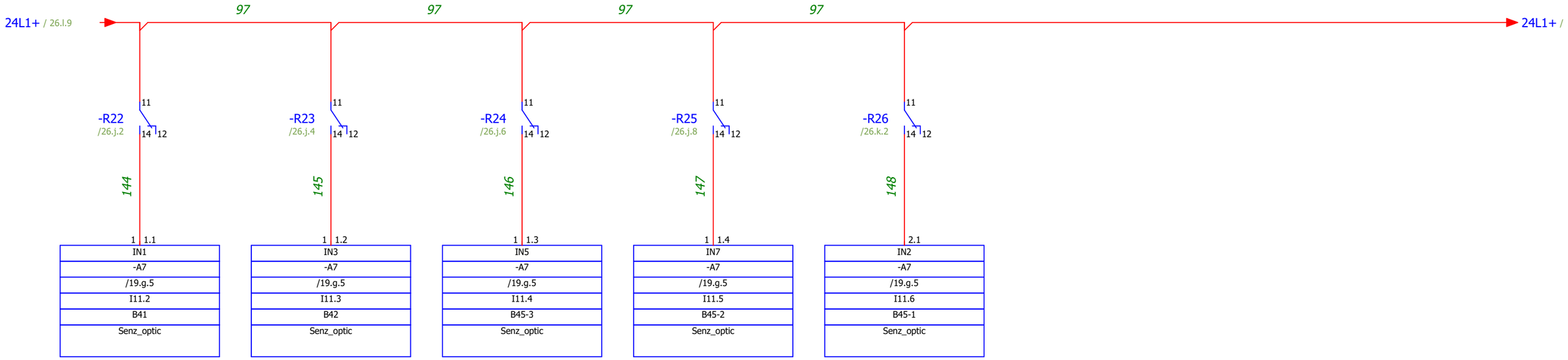
# RELEE DE LA SENZORI OPTICI CAPAT CURSA





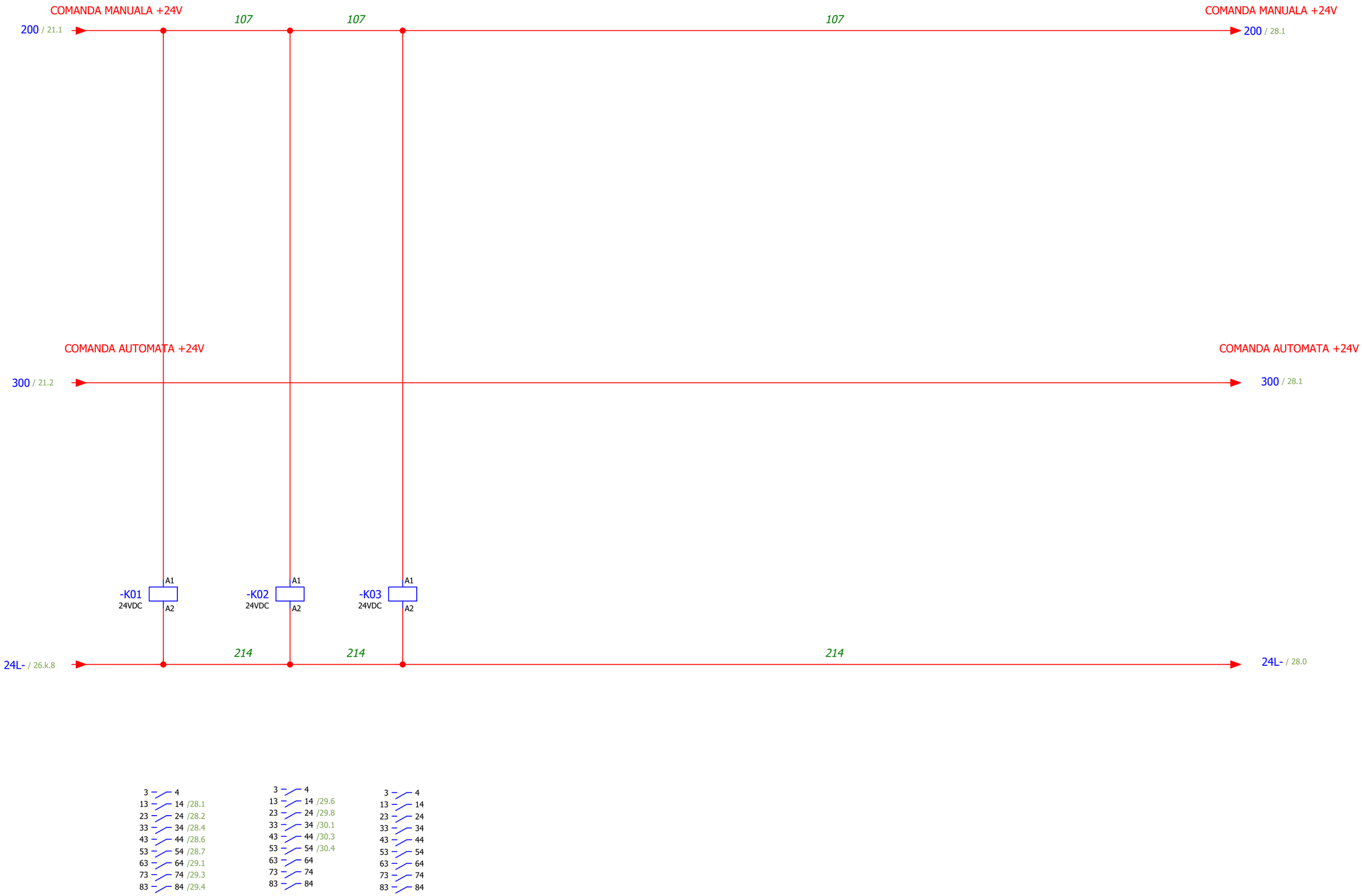

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 26.l |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 51 / 119 |

# RELEE DE LA SENZORI OPTICI CAPAT CURSA



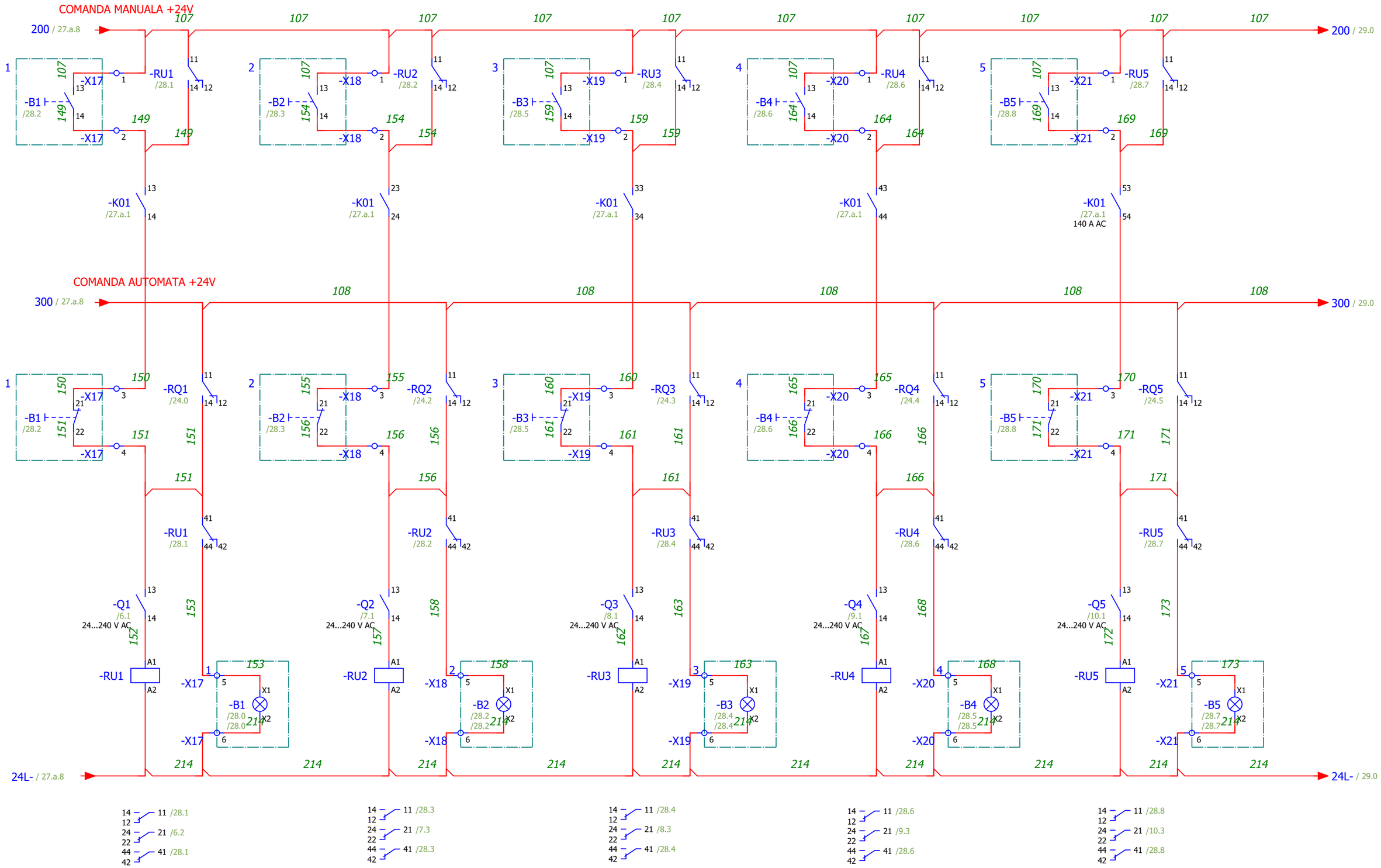



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | I/O | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 26.m |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 52 / 119 |



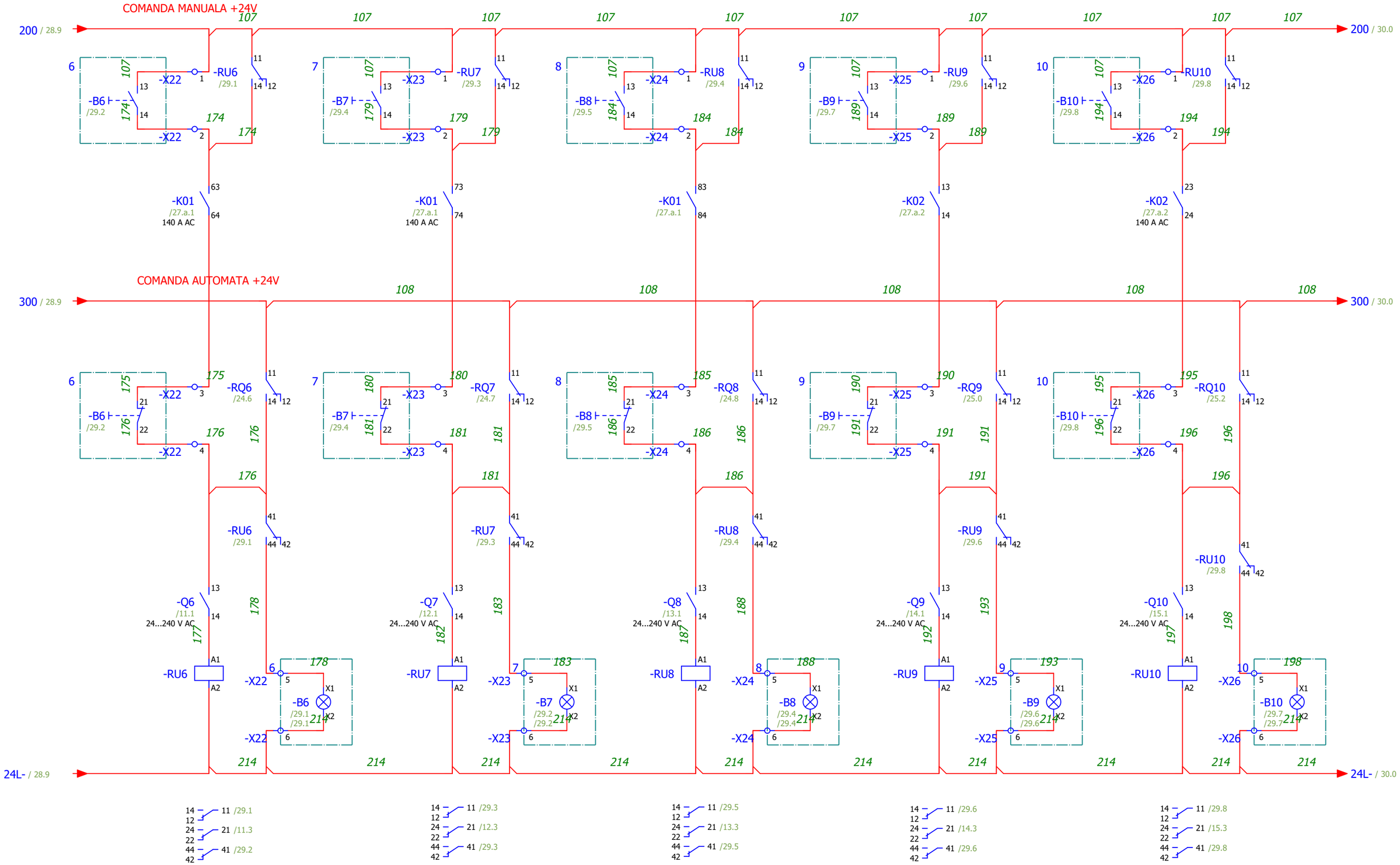



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cmd man | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 27.a |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 53 / 119 |



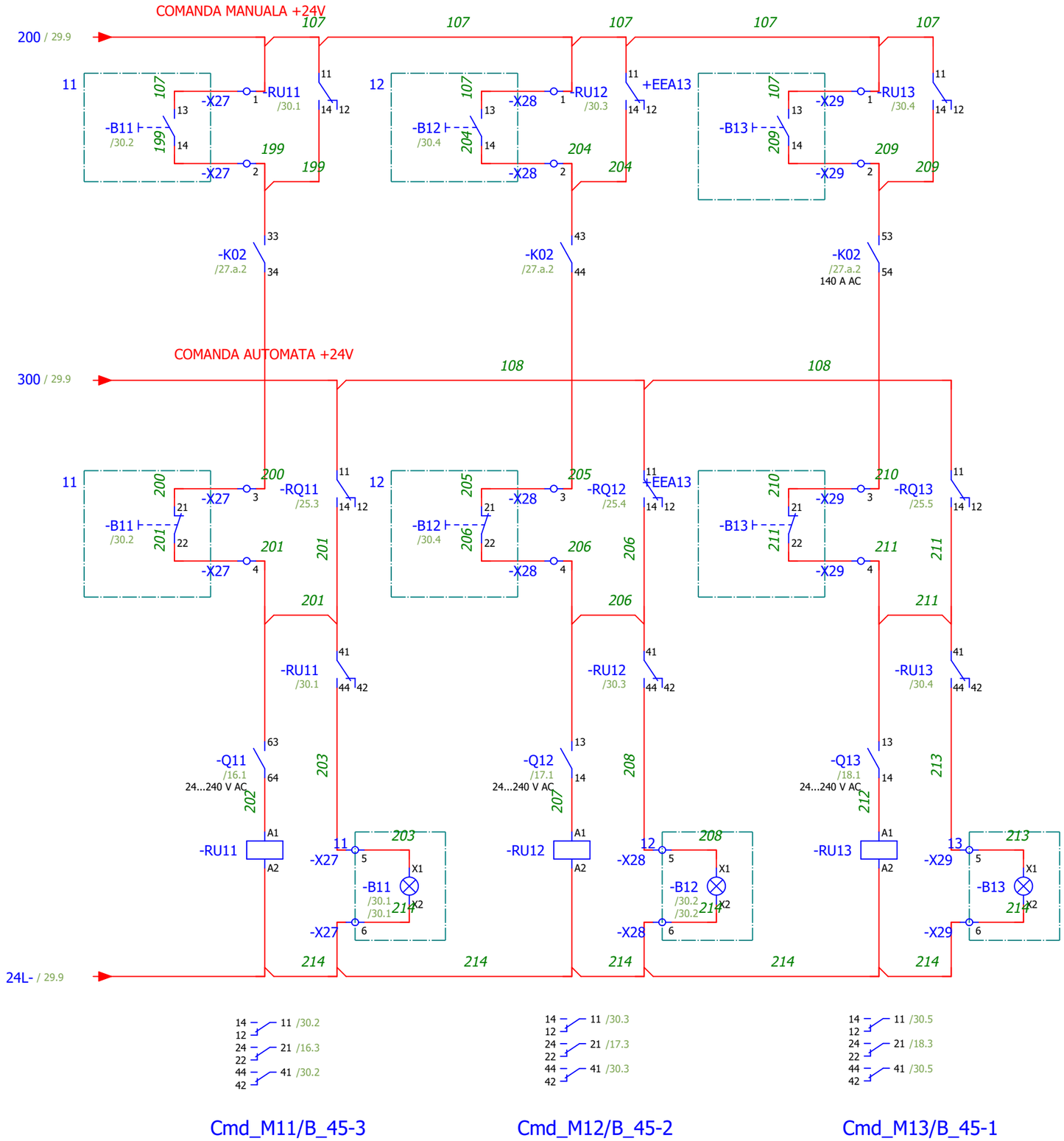



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cmd man | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 28 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 54 / 119 |




28 30

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cmd man | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 29 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 55 / 119 |




Cmd_M11/B_45-3 Cmd_M12/B_45-2 Cmd_M13/B_45-1

29 31

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cmd man | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 30 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 56 / 119 |

# PUPITRU COMANDA TIP MPG10R5 985*1000*400

LC / 2.5

NC / 2.5

-X30 1 2

14



ACUATOR S80 / 230V



1-OPEN
2-COMMON
3-CLOSE

2 79 2 79 2 79 LC / 32.1 NC / 32.1

-S2 13 3 14 4 6 8 5 7 — 18 19 82

-S3 13 3 14 4 6 8 5 7 — 20 21 83

-S4 13 3 14 4 6 8 5 7 — 22 23 84

82 83 84

-X30 3 4 5

-W41
YSLY-JZ 04X1 GR
4x1
300/500 V

-M14
230V / 28 W / 0,2 A
LINIAR MOTOR
BUNCAR_33

-X30 6 7 8

-W42
YSLY-JZ 04X1 GR
4x1
300/500 V

-M15
230V / 28 W / 0,2 A
LINIAR MOTOR
BUNCAR_34

-X30 9 10 11

-W43
YSLY-JZ 04X1 GR
4x1
300/500 V

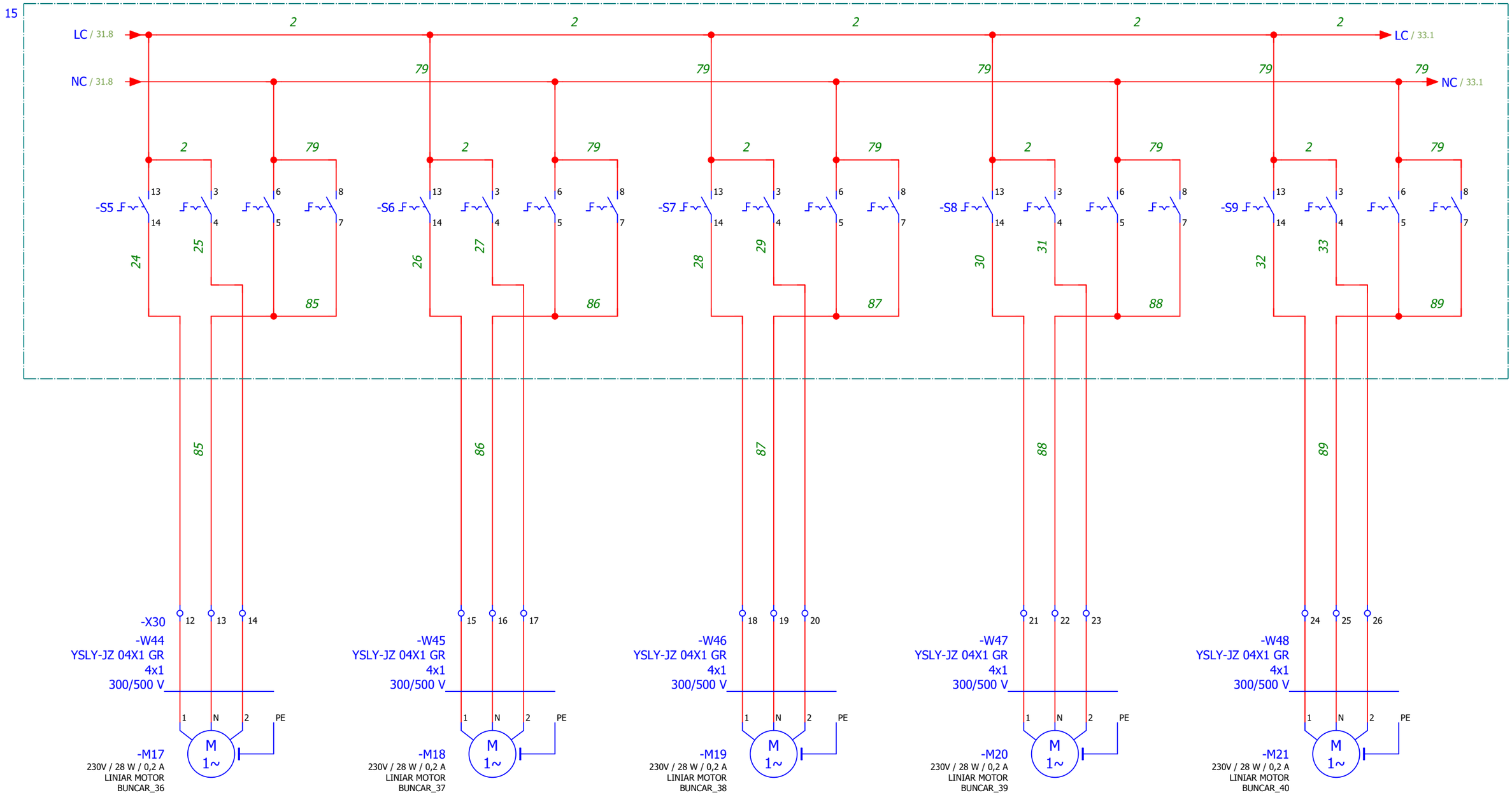
-M16
230V / 28 W / 0,2 A
LINIAR MOTOR
BUNCAR_35

1 N 2 PE — M 1~

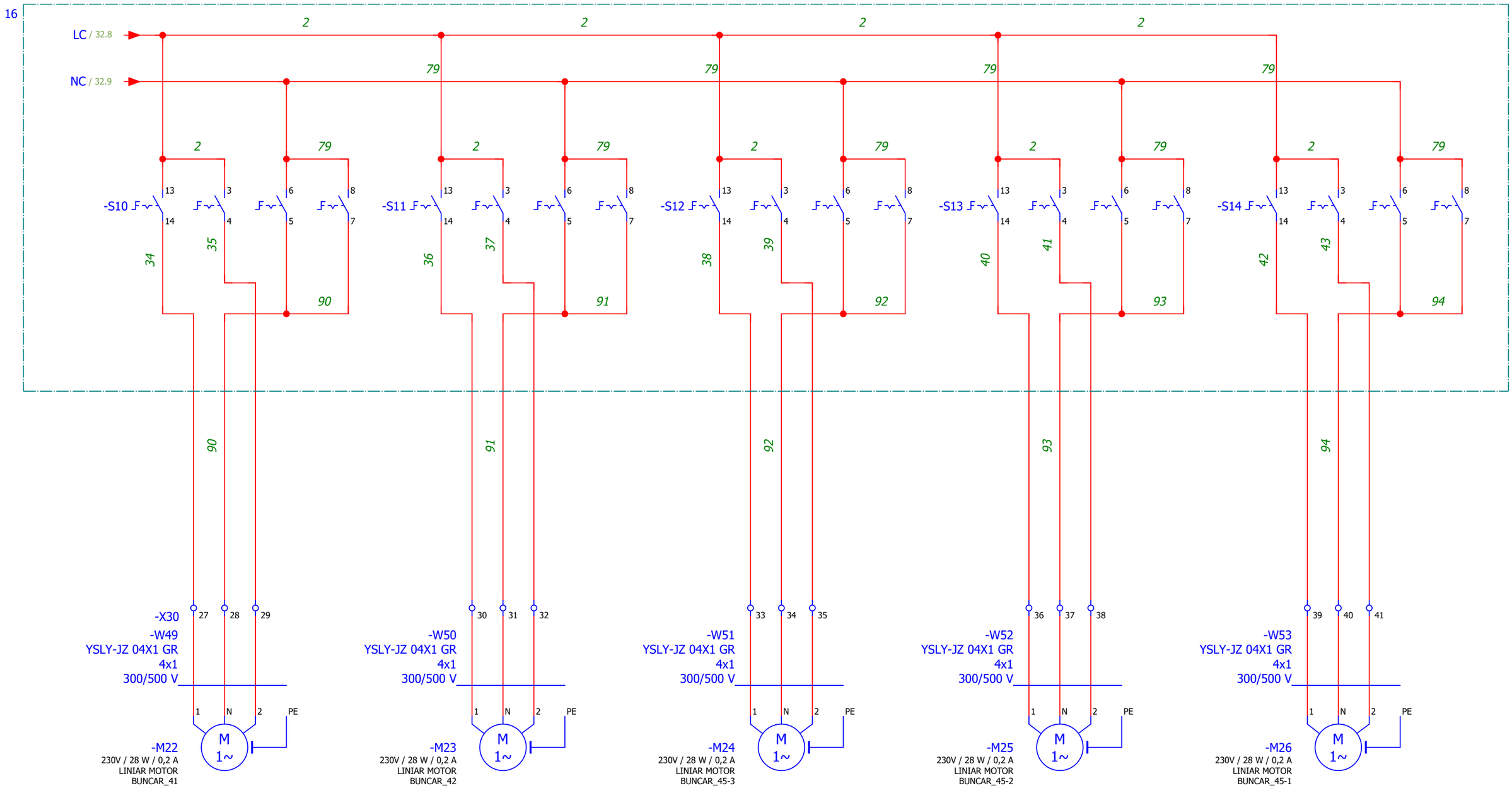


| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cmd man | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 31 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 57 / 119 |

# PUPITRU COMANDA TIP MPG10R5 985*1000*400



# PUPITRU COMANDA TIP MPG10R5 985*1000*400






| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cmd man | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 33 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 59 / 119 |

# PUPITRU COMANDA TIP  MPG10R5 985*1000*400



X17:1.....X29:6  Cablu YSLY-JZ 42*1 mm2  * 2 buc = 84 conductori



X30:1.....41  Cablu YSLY-JZ 04*1 mm2  * 14 buc = 56 conductori



Pe tabloul de comanda tip pupitru se vor amplasa comenzile manuale de START/STOP de la benzi si selectoarele de comanda ale motoarelor liniare



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Tablou comanda separat | | = CA1 | |
| | | | Ed | Nelu | | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | | IEC_bas001 | Page 33.a |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | | Page 60 / 119 |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| | 0 | | | | |
| | 1 | Relay Module | PLC-RSC- 24DC/21-21 | | PXC.2967060 |
| | 1 | Inline terminal | IB IL 24 DO 8/HD-ECO | | PXC.2702793 |
| -A0 | 1 | Bus coupler | IL PN BK DI8 DO4 2TX-PAC | PXC | PXC.2703994 |
| -A0 | 0 | | | | |
| -A1 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A2 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A3 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A4 | 1 | Inline terminal | IB IL 24 DO 8/HD-ECO | | PXC.2702793 |
| -A5 | 1 | Inline terminal | IB IL 24 DO 8/HD-ECO | | PXC.2702793 |
| -A6 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A6 | 0 | | | | |
| -A7 | 1 | Inline terminal | IB IL 24 DI8/HD-PAC | PXC | PXC.2700173 |
| -A7 | 0 | | | | |
| -A8 | 1 | Inline terminal | IB IL AI 4/I/4-20-ECO | | PXC.2702495 |
| -A8 | 0 | | | | |
| -A9 | 1 | Inline terminal | IB IL AI 4/I/4-20-ECO | | PXC.2702495 |
| -A10 | 1 | Inline terminal | IB IL AI 4/I/4-20-ECO | | PXC.2702495 |
| -A11 | 1 | Inline terminal | IB IL AI 4/I/4-20-ECO | | PXC.2702495 |
| -A12 | 1 | Inline terminal | IB IL 24 DO 8/HD-ECO | | PXC.2702793 |
| -A12 | 0 | | | | |
| -A13 | 1 | Inline terminal | IB IL 24 DO 8/HD-ECO | | PXC.2702793 |
| -A20 | 0 | | | | |
| -A22 | 0 | | | | |
| -A23 | 0 | | | | |
| -A24 | 0 | | | | |
| -A25 | 0 | | | | |
| -A36 | 0 | | | | |
| -A40 | 0 | | | | |
| -A41 | 0 | | | | |
| -A42 | 0 | | | | |
| -B1 | 1 | Double actuator pushbutton, +indicator light, green I/white/red 0 | M22-DDL-GR-X1/X0 | ETN | ETN.M22-DDL-GR-X1/X0 |
| -B2 | 1 | Double actuator pushbutton, +indicator light, green I/white/red 0 | M22-DDL-GR-X1/X0 | ETN | ETN.M22-DDL-GR-X1/X0 |
| -B3 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B4 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B5 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B6 | 1 | Double actuator pushbutton, +indicator light, green I/white/red 0 | M22-DDL-GR-X1/X0 | ETN | ETN.M22-DDL-GR-X1/X0 |
| -B7 | 1 | Double actuator pushbutton, +indicator light, green I/white/red 0 | M22-DDL-GR-X1/X0 | ETN | ETN.M22-DDL-GR-X1/X0 |
| -B8 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B9 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B10 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -B11 | 1 | Double actuator pushbutton, +indicator light, green I/white/red 0 | M22-DDL-GR-X1/X0 | ETN | ETN.M22-DDL-GR-X1/X0 |
| -B12 | 1 | Double actuator pushbutton, +indicator light, green I/white/red 0 | M22-DDL-GR-X1/X0 | ETN | ETN.M22-DDL-GR-X1/X0 |
| -B13 | 1 | Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection | M22-DDL-GR-X1/X0/K11/230-W | ETN | ETN.M22-DDL-GR-X1/X0/K11/230-W |
| -BU0 | 1 | Red Ø40 Emergency stop, switching off Ø22 trigger latching turn release 2NC | XB5AS8444 | SE | SE.XB5AS8444 |
| -BU0 | 0 | | | | |
| -BU1 | 1 | ENCLOSURE PLASTIC, 1 COMMAND POINT | 3SU1801-0NA00-2AC2 | SIE | SIE.3SU1801-0NA00-2AC2 |
| -BU1 | 0 | | | | |
| -BU2 | 1 | ENCLOSURE PLASTIC, 1 COMMAND POINT | 3SU1801-0NA00-2AC2 | SIE | SIE.3SU1801-0NA00-2AC2 |
| -BU2 | 0 | | | | |
| -BU3 | 1 | ENCLOSURE PLASTIC, 1 COMMAND POINT | 3SU1801-0NA00-2AC2 | SIE | SIE.3SU1801-0NA00-2AC2 |
| -BU3 | 0 | | | | |
| -BU4 | 1 | ENCLOSURE PLASTIC, 1 COMMAND POINT | 3SU1801-0NA00-2AC2 | SIE | SIE.3SU1801-0NA00-2AC2 |
| -BU4 | 0 | | | | |
| -BU5 | 1 | ENCLOSURE PLASTIC, 1 COMMAND POINT | 3SU1801-0NA00-2AC2 | SIE | SIE.3SU1801-0NA00-2AC2 |
| -BU5 | 0 | | | | |

33.a

34.a

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -BU6 | 1 | ENCLOSURE PLASTIC, 1 COMMAND POINT | 3SU1801-0NA00-2AC2 | SIE | SIE.3SU1801-0NA00-2AC2 |
| -BU6 | 0 | | | | |
| -Camp_B33 | 0 | | | | |
| -Camp_B33-BG1 | 1 | ultrasonic diffuse reflection sensor, DC PNP, normally open / normally closed; (parameterisable) | UIA03500E1KG/IO-Link/US | | IFM.UIT501 |
| -Camp_B34 | 0 | | | | |
| -Camp_B34-BG2 | 1 | ultrasonic diffuse reflection sensor, DC PNP, normally open / normally closed; (parameterisable) | UIA03500E1KG/IO-Link/US | | IFM.UIT501 |
| -Camp_B35 | 0 | | | | |
| -Camp_B35-BG3 | 1 | ultrasonic diffuse reflection sensor, DC PNP, normally open / normally closed; (parameterisable) | UIA03500E1KG/IO-Link/US | | IFM.UIT501 |
| -Camp_B36 | 0 | | | | |
| -Camp_B36-BG4 | 1 | ultrasonic diffuse reflection sensor, DC PNP, normally open / normally closed; (parameterisable) | UIA03500E1KG/IO-Link/US | | IFM.UIT501 |
| -Camp_B37 | 0 | | | | |
| -Camp_B37-BG1 | 1 | ultrasonic diffuse reflection sensor, DC PNP, normally open / normally closed; (parameterisable) | UIA03500E1KG/IO-Link/US | | IFM.UIT501 |
| -Camp_B38 | 0 | | | | |
| -Camp_B38-BG2 | 1 | ultrasonic diffuse reflection sensor, DC PNP, normally open / normally closed; (parameterisable) | UIA03500E1KG/IO-Link/US | | IFM.UIT501 |
| -Camp_B39 | 0 | | | | |
| -Camp_B39-BG3 | 1 | ultrasonic diffuse reflection sensor, DC PNP, normally open / normally closed; (parameterisable) | UIA03500E1KG/IO-Link/US | | IFM.UIT501 |
| -Camp_B40 | 0 | | | | |
| -Camp_B40-BG4 | 1 | ultrasonic diffuse reflection sensor, DC PNP, normally open / normally closed; (parameterisable) | UIA03500E1KG/IO-Link/US | | IFM.UIT501 |
| -Camp_B41 | 0 | | | | |
| -Camp_B41-BG1 | 1 | ultrasonic diffuse reflection sensor, DC PNP, normally open / normally closed; (parameterisable) | UIA03500E1KG/IO-Link/US | | IFM.UIT501 |
| -Camp_B42 | 0 | | | | |
| -Camp_B42-BG2 | 1 | ultrasonic diffuse reflection sensor, DC PNP, normally open / normally closed; (parameterisable) | UIA03500E1KG/IO-Link/US | | IFM.UIT501 |
| -Camp_B45-1 | 0 | | | | |
| -Camp_B45-2 | 0 | | | | |
| -Camp_B45-3 | 0 | | | | |
| -Camp_B45-1-BG1 | 1 | ultrasonic diffuse reflection sensor, DC PNP, normally open / normally closed; (parameterisable) | UIA03500E1KG/IO-Link/US | | IFM.UIT501 |
| -Camp_B45-2-BG4 | 1 | ultrasonic diffuse reflection sensor, DC PNP, normally open / normally closed; (parameterisable) | UIA03500E1KG/IO-Link/US | | IFM.UIT501 |
| -Camp_B45-3-BG3 | 1 | ultrasonic diffuse reflection sensor, DC PNP, normally open / normally closed; (parameterisable) | UIA03500E1KG/IO-Link/US | | IFM.UIT501 |
| -F2.1 | 1 | Over current switch, 6A, 2p, C-Char, AC | PXL-C6/2 | ETN | ETN.PXL-C6/2 |
| -F2.2 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F3.1 | 1 | Over current switch, 6A, 1p, C-Char, DC current | PXL-C6-DC | ETN | ETN.PXL-C6-DC |
| -F3.2 | 1 | Over current switch, 6A, 1p, C-Char, DC current | PXL-C6-DC | ETN | ETN.PXL-C6-DC |
| -F4 | 1 | Over current switch, 6A, 1Np, C-Char, AC | FAZ-PN-C6/1N | ETN | ETN.FAZ-PN-C6/1N |
| -F5 | 1 | Over current switch, 16A, 1Np, C-Char, AC | FAZ-PN-C16/1N | ETN | ETN.FAZ-PN-C16/1N |
| -F6 | 1 | Over current switch, 16A, 1Np, C-Char, AC | FAZ-PN-C16/1N | ETN | ETN.FAZ-PN-C16/1N |
| -F7 | 1 | Over current switch, 2A, 2p, C-Char, AC | PXL-C2/2 | ETN | ETN.PXL-C2/2 |
| -F8 | 1 | Over current switch, 2A, 3p, C-Char, AC | PXL-C2/3 | ETN | ETN.PXL-C2/3 |
| -F9 | 1 | Over current switch, 6A, 1p, C-Char, AC | PXL-C6/1 | ETN | ETN.PXL-C6/1 |
| -FAN_TE | 0 | | | | |
| -G1 | 1 | Power supply unit | TRIO-PS/1AC/24DC/10 | PXC | PXC.2866323 |
| -HL1 | 1 | Monolithic pilot light Ø 22 - green - integral LED - 230V | | SE | SE.XB7EV03MP |
| -HL2 | 1 | Monolithic pilot light Ø 22 - green - integral LED - 230V | | SE | SE.XB7EV03MP |
| -HL3 | 1 | Monolithic pilot light Ø 22 - green - integral LED - 230V | | SE | SE.XB7EV03MP |
| -K01 | 1 | Contactor TeSys CAD-50 - 5 NO + 0 NC - 10A - 24 VDC,screw-clamps terminals | CAD 5NO 24VDC | SE | SE.CAD50BD |
| -K01 | 1 | Auxiliary contact block, TeSys Deca, 4NO, front mounting, screw clamp terminals | LADN40 | SE | SE.LADN40 |
| -K02 | 1 | Contactor TeSys CAD-50 - 5 NO + 0 NC - 10A - 24 VDC,screw-clamps terminals | CAD 5NO 24VDC | SE | SE.CAD50BD |
| -K02 | 1 | Auxiliary contact block, TeSys Deca, 4NO, front mounting, screw clamp terminals | LADN40 | SE | SE.LADN40 |
| -K03 | 1 | Contactor TeSys CAD-50 - 5 NO + 0 NC - 10A - 24 VDC,screw-clamps terminals | CAD 5NO 24VDC | SE | SE.CAD50BD |
| -K03 | 1 | Auxiliary contact block, TeSys Deca, 4NO, front mounting, screw clamp terminals | LADN40 | SE | SE.LADN40 |
| -K4 | 0 | | | | |
| -K5 | 0 | | | | |
| -K? | 0 | | | | |
| -LP_Tablou1 | 1 | | | | STE.02540.0-03 |
| -LP_Tablou2 | 1 | | | | STE.02540.0-03 |
| -LS | 1 | | | | ETN.LS-11 |
| -M1 | 0 | | | | |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -M2 | 0 | | | | |
| -M3 | 0 | | | | |
| -M4 | 0 | | | | |
| -M5 | 0 | | | | |
| -M6 | 0 | | | | |
| -M7 | 0 | | | | |
| -M8 | 0 | | | | |
| -M9 | 0 | | | | |
| -M10 | 0 | | | | |
| -M11 | 0 | | | | |
| -M12 | 0 | | | | |
| -M13 | 0 | | | | |
| -M14 | 0 | | | | |
| -M15 | 0 | | | | |
| -M16 | 0 | | | | |
| -M17 | 0 | | | | |
| -M18 | 0 | | | | |
| -M19 | 0 | | | | |
| -M20 | 0 | | | | |
| -M21 | 0 | | | | |
| -M22 | 0 | | | | |
| -M23 | 0 | | | | |
| -M24 | 0 | | | | |
| -M25 | 0 | | | | |
| -M26 | 0 | | | | |
| -P1 | 1 | | | | ETN.SL7-L24-B-HP |
| -P2 | 1 | | | | ETN.SL7-L24-B-HP |
| -P3 | 1 | | | | ETN.SL7-L24-B-HP |
| -P4 | 1 | | | | ETN.SL7-L24-B-HP |
| -P5 | 1 | | | | ETN.SL7-L24-B-HP |
| -P6 | 1 | | | | ETN.SL7-L24-B-HP |
| -P7 | 1 | | | | ETN.SL7-L24-B-HP |
| -P8 | 1 | | | | ETN.SL7-L24-B-HP |
| -P9 | 1 | | | | ETN.SL7-L24-B-HP |
| -P10 | 1 | | | | ETN.SL7-L24-B-HP |
| -P11 | 1 | | | | ETN.SL7-L24-B-HP |
| -P12 | 1 | | | | ETN.SL7-L24-B-HP |
| -P13 | 1 | | | | ETN.SL7-L24-B-HP |
| -PRIZA_SERVICE1 | 0 | | | | |
| -PRIZA_SERVICE2 | 0 | | | | |
| -Q0 | 1 | Switch-disconnector Compact INS160 - 4 poles - 160 A | 28913 | SE | SE.28913 |
| -Q1 | 1 | Motor circuit breaker, TeSys Deca, 3P, 9-14 A, thermal magnetic, screw clamp terminals | GV2ME16 | SE | SE.GV2ME16 |
| -Q1 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q1 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q2 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q2 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q2 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q3 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q3 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q3 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q4 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q4 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q4 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q5 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q5 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q5 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -Q6 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q6 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q6 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q7 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q7 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q7 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q8 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q8 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q8 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q9 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q9 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q9 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q10 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q10 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q10 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q11 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q11 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q11 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q12 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q12 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q12 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -Q13 | 1 | Motor circuit breaker, TeSys Deca, 3P, 4-6.3 A, thermal magnetic, screw clamp terminals | GV2ME10 | SE | SE.GV2ME10 |
| -Q13 | 1 | TeSys GVAE11 - auxiliary contact - 1 NO + 1 NC | GVAE11 | SE | SE.GVAE11 |
| -Q13 | 1 | TeSys GVAN11 - auxiliary contact block - 1 NO + 1 NC | GVAN11 | SE | SE.GVAN11 |
| -R1 | 0 | | | | |
| -R1 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R2 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R3 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R4 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R5 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R6 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R7 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R8 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R9 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R10 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R11 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R12 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R13 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -R14 | 1 | Relay Module | PR2-RSC3-LDP-24DC/4X21AU | PXC | PXC.2834724 |
| -R15 | 1 | Relay Module | PR2-RSC3-LDP-24DC/4X21AU | PXC | PXC.2834724 |
| -R16 | 1 | Relay Module | PR2-RSC3-LDP-24DC/4X21AU | PXC | PXC.2834724 |
| -R17 | 1 | Relay Module | PR2-RSC3-LDP-24DC/4X21AU | PXC | PXC.2834724 |
| -R18 | 1 | Relay Module | PR2-RSC3-LDP-24DC/4X21AU | PXC | PXC.2834724 |
| -R19 | 1 | Relay Module | PR2-RSC3-LDP-24DC/4X21AU | PXC | PXC.2834724 |
| -R20 | 1 | Relay Module | PR2-RSC3-LDP-24DC/4X21AU | PXC | PXC.2834724 |
| -R21 | 1 | Relay Module | PR2-RSC3-LDP-24DC/4X21AU | PXC | PXC.2834724 |
| -R22 | 1 | Relay Module | PR2-RSC3-LDP-24DC/4X21AU | PXC | PXC.2834724 |
| -R23 | 1 | Relay Module | PR2-RSC3-LDP-24DC/4X21AU | PXC | PXC.2834724 |
| -R24 | 1 | Relay Module | PR2-RSC3-LDP-24DC/4X21AU | PXC | PXC.2834724 |
| -R25 | 1 | Relay Module | PR2-RSC3-LDP-24DC/4X21AU | PXC | PXC.2834724 |
| -R26 | 1 | Relay Module | PR2-RSC3-LDP-24DC/4X21AU | PXC | PXC.2834724 |
| -RM | 1 | Monitoring relay, 3 phase + neutral AC line monitoring - AC (50/60 Hz) - 380...415 V | 70.41.8.400.2030 | FIN | FIN.70.41.8.400.2030 |
| -RQ1 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ2 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ3 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ4 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -RQ5 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ6 | 1 | Relay | 40.52.9.024.0000 | FIN | FIN.40.52.9.024.0000 |
| -RQ7 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ8 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ9 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ10 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ11 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ12 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ13 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ14 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ15 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ16 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ17 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ18 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ19 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ20 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ21 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ22 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ23 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ24 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ25 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RQ26 | 1 | Relay Module | PLC-RSC- 24DC/21-21 | FIN | PXC.2967060 |
| -RSTOP1 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -RSTOP2 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -RSTOP3 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -RSTOP4 | 1 | Relay Module | RIF-2-RSC-LDP-24DC/4X21 | PXC | PXC.2903320 |
| -RU1 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU2 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU3 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU4 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU5 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU6 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU7 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU8 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU9 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU10 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU11 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU12 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -RU13 | 1 | Relay Module | RIF-2-RPT-LDP-24DC/4X21 | PXC | PXC.2903308 |
| -S1 | 1 | Monolithic selector switch - Ø 22 - black - standard handle - 3 positions - 2 NO | | SE | SE.XB7ND33 |
| -S2 | 1 | Black selector switch Ø22 3-position spring return 2NO 600V | XB4BD53 | SE | SE.XB4BD53 |
| -S3 | 1 | Black selector switch Ø22 3-position spring return 2NO 600V | XB4BD53 | SE | SE.XB4BD53 |
| -S4 | 1 | Black selector switch Ø22 3-position spring return 2NO 600V | XB4BD53 | SE | SE.XB4BD53 |
| -S5 | 1 | Black selector switch Ø22 3-position spring return 2NO 600V | XB4BD53 | SE | SE.XB4BD53 |
| -S6 | 1 | Black selector switch Ø22 3-position spring return 2NO 600V | XB4BD53 | SE | SE.XB4BD53 |
| -S7 | 1 | Black selector switch Ø22 3-position spring return 2NO 600V | XB4BD53 | SE | SE.XB4BD53 |
| -S8 | 1 | Black selector switch Ø22 3-position spring return 2NO 600V | XB4BD53 | SE | SE.XB4BD53 |
| -S9 | 1 | Black selector switch Ø22 3-position spring return 2NO 600V | XB4BD53 | SE | SE.XB4BD53 |
| -S10 | 1 | Black selector switch Ø22 3-position spring return 2NO 600V | XB4BD53 | SE | SE.XB4BD53 |
| -S11 | 1 | Black selector switch Ø22 3-position spring return 2NO 600V | XB4BD53 | SE | SE.XB4BD53 |
| -S12 | 1 | Black selector switch Ø22 3-position spring return 2NO 600V | XB4BD53 | SE | SE.XB4BD53 |
| -S13 | 1 | Black selector switch Ø22 3-position spring return 2NO 600V | XB4BD53 | SE | SE.XB4BD53 |
| -S14 | 1 | Black selector switch Ø22 3-position spring return 2NO 600V | XB4BD53 | SE | SE.XB4BD53 |
| -S14 | 1 | Harmony XB5 1NO contact | ZBE101 | SE | SE.ZBE101 |
| -SH-SR1 | 1 | Illuminated pushbutton actuator, flush, red, momentary | M22-DL-R | ETN | ETN.M22-DL-R |
| -SH-SR1 | 1 | LED element, red, front mount, 12-30VAC/DC | M22-LED-R | ETN | ETN.M22-LED-R |

# Parts list

F01_001

| Device tag | Quantity | Designation | Type number | Supplier | Part number |
|---|---|---|---|---|---|
| -SR1 | 1 | Harmony Safety Automation Safety module | XPSBAC14AP | SE | SE.XPSBAC14AP |
| -S_OPT_1 | 1 | Retro-reflective sensor | O5P-DPKG/US100 | | IFM.O5P200 |
| -S_OPT_2 | 1 | Retro-reflective sensor | O5P-DPKG/US100 | | IFM.O5P200 |
| -S_OPT_3 | 1 | Retro-reflective sensor | O5P-DPKG/US100 | | IFM.O5P200 |
| -S_OPT_4 | 1 | Retro-reflective sensor | O5P-DPKG/US100 | | IFM.O5P200 |
| -S_OPT_5 | 1 | Retro-reflective sensor | O5P-DPKG/US100 | | IFM.O5P200 |
| -S_OPT_6 | 1 | Retro-reflective sensor | O5P-DPKG/US100 | | IFM.O5P200 |
| -S_OPT_7 | 1 | Retro-reflective sensor | O5P-DPKG/US100 | | IFM.O5P200 |
| -S_OPT_8 | 1 | Retro-reflective sensor | O5P-DPKG/US100 | | IFM.O5P200 |
| -S_OPT_9 | 1 | Retro-reflective sensor | O5P-DPKG/US100 | | IFM.O5P200 |
| -S_OPT_10 | 1 | Retro-reflective sensor | O5P-DPKG/US100 | | IFM.O5P200 |
| -S_OPT_11 | 1 | Retro-reflective sensor | O5P-DPKG/US100 | | IFM.O5P200 |
| -S_OPT_12 | 1 | Retro-reflective sensor | O5P-DPKG/US100 | | IFM.O5P200 |
| -S_OPT_13 | 1 | Retro-reflective sensor | O5P-DPKG/US100 | | IFM.O5P200 |
| -TD | 0 | | | | |
| -Th_1 | 1 | Double Thermostat | NSYCCOTHD | SE | SE.NSYCCOTHD |
| -U1 | 1 | | | | DAN.FC-302P4K0T5E20H1BGXXXXSXXXXALB8CXXXXD0 |
| -U2 | 0 | | | | |
| -U3 | 0 | | | | |
| -U4 | 0 | | | | |
| -U5 | 0 | | | | |
| -U6 | 0 | | | | |
| -U7 | 0 | | | | |
| -U8 | 0 | | | | |
| -U9 | 0 | | | | |
| -U10 | 0 | | | | |
| -U11 | 0 | | | | |
| -U12 | 0 | | | | |
| -U13 | 0 | | | | |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W1 | H07RN-F | | 4 | | 70 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /2.0 | -TD | L1 | BN | -X0 | 1 | /2.0 | |
| | /2.1 | -TD | N | BK | -X0 | 4 | /2.1 | |
| | /2.0 | -TD | L2 | GY | -X0 | 2 | /2.0 | |
| | /2.1 | -TD | PE | GNYE | | PE | /2.1 | |
| | /2.1 | -TD | L3 | BU | -X0 | 3 | /2.1 | |

# Cable diagram

F09_001

| Cable name =CA1+EAA-W2 | Cable type 2YSL(ST)CYK-J 0,6/1KV EMV-UV | | No. of conductors 4G | | Cross-section 2,5 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | SH | | | | |
| | /6.2 | -X1 | | GNYE | -M1 | PE | /6.1 | Banda buncar carton_B-33 |
| | /6.1 | -X1 | 1 | BN | -M1 | U1 | /6.1 | = |
| | /6.1 | -X1 | 2 | BK | -M1 | V1 | /6.1 | = |
| | /6.1 | -X1 | 3 | GY | -M1 | W1 | /6.1 | = |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W3 | 2YSL(ST)CYK-J 0,6/1KV EMV-UV | | 4G | | 4 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | SH | | | | |
| | /7.2 | -X2 | | GNYE | -M2 | PE | /7.1 | Banda buncar hartie_B-34 |
| | /7.1 | -X2 | 1 | BN | -M2 | U1 | /7.1 | = |
| | /7.1 | -X2 | 2 | BK | -M2 | V1 | /7.1 | = |
| | /7.1 | -X2 | 3 | GY | -M2 | W1 | /7.1 | = |



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W3 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 37 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 69 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W4 | 2YSL(ST)CYK-J 0,6/1KV EMV-UV | | 4G | | 4 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | SH | | | | |
| | /8.2 | -X3 | | GNYE | -M3 | PE | /8.1 | Banda buncar compozite_B-35 |
| | /8.1 | -X3 | 1 | BN | -M3 | U1 | /8.1 | = |
| | /8.1 | -X3 | 2 | BK | -M3 | V1 | /8.1 | = |
| | /8.1 | -X3 | 3 | GY | -M3 | W1 | /8.1 | = |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W5 | 2YSL(ST)CYK-J 0,6/1KV EMV-UV | | 4G | | 4 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | SH | | | | |
| | /9.2 | -X4 | | GNYE | -M4 | PE | /9.1 | Banda buncar carton ondulat_B-36 |
| | /9.1 | -X4 | 1 | BN | -M4 | U1 | /9.1 | = |
| | /9.1 | -X4 | 2 | BK | -M4 | V1 | /9.1 | = |
| | /9.1 | -X4 | 3 | GY | -M4 | W1 | /9.1 | = |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W5 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 39 |
| | | | | | | | | Page 71 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W6 | 2YSL(ST)CYK-J 0,6/1KV EMV-UV | | 4G | | 4 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | SH | | | | |
| | /10.2 | -X5 | | GNYE | -M5 | PE | /10.1 | Banda buncar folie alba_B-37 |
| | /10.1 | -X5 | 1 | BN | -M5 | U1 | /10.1 | = |
| | /10.1 | -X5 | 2 | BK | -M5 | V1 | /10.1 | = |
| | /10.1 | -X5 | 3 | GY | -M5 | W1 | /10.1 | = |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W7 | 2YSL(ST)CYK-J 0,6/1KV EMV-UV | | 4G | | 4 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | SH | | | | |
| | /11.2 | -X6 | | GNYE | -M6 | PE | /11.1 | Banda buncar folie color_B-38 |
| | /11.1 | -X6 | 1 | BN | -M6 | U1 | /11.1 | = |
| | /11.1 | -X6 | 2 | BK | -M6 | V1 | /11.1 | = |
| | /11.1 | -X6 | 3 | GY | -M6 | W1 | /11.1 | = |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W7 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 41 |
| | | | | | | | | Page 73 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W8 | 2YSL(ST)CYK-J 0,6/1KV EMV-UV | | 4G | | 4 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | SH | | | | |
| | /12.2 | -X7 | | GNYE | -M7 | PE | /12.1 | Banda buncar PET alb_B-39 |
| | /12.1 | -X7 | 1 | BN | -M7 | U1 | /12.1 | = |
| | /12.1 | -X7 | 2 | BK | -M7 | V1 | /12.1 | = |
| | /12.1 | -X7 | 3 | GY | -M7 | W1 | /12.1 | = |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W9 | 2YSL(ST)CYK-J 0,6/1KV EMV-UV | | 4G | | 4 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | SH | | | | |
| | /13.2 | -X8 | | GNYE | -M8 | PE | /13.1 | Banda buncar PET albastru_B-40 |
| | /13.1 | -X8 | 1 | BN | -M8 | U1 | /13.1 | = |
| | /13.1 | -X8 | 2 | BK | -M8 | V1 | /13.1 | = |
| | /13.1 | -X8 | 3 | GY | -M8 | W1 | /13.1 | = |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W10 | 2YSL(ST)CYK-J 0,6/1KV EMV-UV | | 4G | | 4 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | SH | | | | |
| | /14.2 | -X9 | | GNYE | -M9 | PE | /14.1 | Banda buncar PET color_B-41 |
| | /14.1 | -X9 | 1 | BN | -M9 | U1 | /14.1 | = |
| | /14.1 | -X9 | 2 | BK | -M9 | V1 | /14.1 | = |
| | /14.1 | -X9 | 3 | GY | -M9 | W1 | /14.1 | = |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W11 | 2YSL(ST)CYK-J 0,6/1KV EMV-UV | | 4G | | 4 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | SH | | | | |
| | /15.2 | -X10 | | GNYE | -M10 | PE | /15.1 | Banda buncar PEID_B-42 |
| | /15.1 | -X10 | 1 | BN | -M10 | U1 | /15.1 | = |
| | /15.1 | -X10 | 2 | BK | -M10 | V1 | /15.1 | = |
| | /15.1 | -X10 | 3 | GY | -M10 | W1 | /15.1 | = |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W12 | 2YSL(ST)CYK-J 0,6/1KV EMV-UV | | 4G | | 4 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | SH | | | | |
| | /16.2 | -X11 | | GNYE | -M11 | PE | /16.1 | Banda buncar PVC_B-45-3 |
| | /16.1 | -X11 | 1 | BN | -M11 | U1 | /16.1 | = |
| | /16.1 | -X11 | 2 | BK | -M11 | V1 | /16.1 | = |
| | /16.1 | -X11 | 3 | GY | -M11 | W1 | /16.1 | = |



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W12 | | = CA1 |
| | | | Ed | Nelu | | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 46 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 78 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W13 | 2YSL(ST)CYK-J 0,6/1KV EMV-UV | | 4G | | 4 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | SH | | | | |
| | /17.2 | -X12 | | GNYE | -M12 | PE | /17.1 | Banda buncar PP-PS_B-45-2 |
| | /17.1 | -X12 | 1 | BN | -M12 | U1 | /17.1 | = |
| | /17.1 | -X12 | 2 | BK | -M12 | V1 | /17.1 | = |
| | /17.1 | -X12 | 3 | GY | -M12 | W1 | /17.1 | = |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W13 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 47 |
| | | | | | | | | Page 79 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W14 | 2YSL(ST)CYK-J 0,6/1KV EMV-UV | | 4G | | 4 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | SH | | | | |
| | /18.2 | -X13 | | GNYE | -M13 | PE | /18.1 | Banda buncar SRF_B-45-1 |
| | /18.1 | -X13 | 1 | BN | -M13 | U1 | /18.1 | = |
| | /18.1 | -X13 | 2 | BK | -M13 | V1 | /18.1 | = |
| | /18.1 | -X13 | 3 | GY | -M13 | W1 | /18.1 | = |



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W14 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 48 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 80 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | No. of conductors | Cross-section | Cable length | Function text |
| --- | --- | --- | --- | --- | --- |
| =CA1+EAA-W15 | LiYCY 04X1 GR | 4 | 1 | | |

| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | /26.d.2 | -X15 | 1 | WH | -Camp_B33-BG1 | 1 | /26.d.1 | |
| | /26.d.2 | -X15 | 2 | BN | -Camp_B33-BG1 | 2 | /26.d.2 | |
| | | | | GN | | | | |
| | | | | YE | | | | |
| | | | | SH | | | | |

# Cable diagram

F09_001

| Cable name =CA1+EAA-W16 | Cable type LiYCY 04X1 GR | | No. of conductors 4 | | Cross-section 1 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /26.d.4 | -X15 | 4 | WH | -Camp_B34-BG2 | 1 | /26.d.3 | |
| | /26.d.4 | -X15 | 5 | BN | -Camp_B34-BG2 | 2 | /26.d.4 | |
| | | | | GN | | | | |
| | | | | YE | | | | |
| | | | | SH | | | | |

# Cable diagram

F09_001

| Cable name =CA1+EAA-W17 | Cable type LiYCY 04X1 GR | | No. of conductors 4 | | Cross-section 1 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /26.d.6 | -X15 | 7 | WH | -Camp_B35-BG3 | 1 | /26.d.5 | |
| | /26.d.6 | -X15 | 8 | BN | -Camp_B35-BG3 | 2 | /26.d.6 | |
| | | | | GN | | | | |
| | | | | YE | | | | |
| | | | | SH | | | | |

# Cable diagram

F09_001

| Cable name | Cable type | No. of conductors | Cross-section | Cable length | Function text |
|---|---|---|---|---|---|
| =CA1+EAA-W18 | LiYCY 04X1 GR | 4 | 1 | | |

| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
|---|---|---|---|---|---|---|---|---|
| | /26.d.8 | -X15 | 10 | WH | -Camp_B36-BG4 | 1 | /26.d.7 | |
| | /26.d.8 | -X15 | 11 | BN | -Camp_B36-BG4 | 2 | /26.d.8 | |
| | | | | GN | | | | |
| | | | | YE | | | | |
| | | | | SH | | | | |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W19 | LiYCY 04X1 GR | | 4 | | 1 | | | |
| **Function text** | **X-Ref** | **Target designation from** | **Connection point** | **Conductor** | **Target designation to** | **Connection point** | **X-Ref** | **Function text** |
| | /26.e.2 | -X15 | 13 | WH | -Camp_B37-BG1 | 1 | /26.e.1 | |
| | /26.e.2 | -X15 | 14 | BN | -Camp_B37-BG1 | 2 | /26.e.2 | |
| | | | | GN | | | | |
| | | | | YE | | | | |
| | | | | SH | | | | |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W20 | LiYCY 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /26.e.4 | -X15 | 16 | WH | -Camp_B38-BG2 | 1 | /26.e.3 | |
| | /26.e.4 | -X15 | 17 | BN | -Camp_B38-BG2 | 2 | /26.e.4 | |
| | | | | GN | | | | |
| | | | | YE | | | | |
| | | | | SH | | | | |

# Cable diagram

F09_001

| Cable name | Cable type | No. of conductors | Cross-section | Cable length | Function text |
|---|---|---|---|---|---|
| =CA1+EAA-W21 | LiYCY 04X1 GR | 4 | 1 | | |

| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
|---|---|---|---|---|---|---|---|---|
| | /26.e.6 | -X15 | 19 | WH | -Camp_B39-BG3 | 1 | /26.e.5 | |
| | /26.e.6 | -X15 | 20 | BN | -Camp_B39-BG3 | 2 | /26.e.6 | |
| | | | | GN | | | | |
| | | | | YE | | | | |
| | | | | SH | | | | |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W22 | LiYCY 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /26.e.8 | -X15 | 22 | WH | -Camp_B40-BG4 | 1 | /26.e.8 | |
| | /26.e.8 | -X15 | 23 | BN | -Camp_B40-BG4 | 2 | /26.e.8 | |
| | | | | GN | | | | |
| | | | | YE | | | | |
| | | | | SH | | | | |

# Cable diagram

F09_001

| Cable name =CA1+EAA-W23 | Cable type LiYCY 04X1 GR | | No. of conductors 4 | | Cross-section 1 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | /26.f.2 | -X15 | 25 | WH | -Camp_B41-BG1 | 1 | /26.f.1 | |
| | /26.f.2 | -X15 | 26 | BN | -Camp_B41-BG1 | 2 | /26.f.2 | |
| | | | | GN | | | | |
| | | | | YE | | | | |
| | | | | SH | | | | |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W24 | LiYCY 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | WH | | | | |
| | | | | BN | | | | |
| | | | | GN | | | | |
| | | | | YE | | | | |
| | | | | SH | | | | |
| | /26.f.4 | -X15 | 28 | | -Camp_B42-BG2 | 1 | /26.f.3 | |
| | /26.f.4 | -X15 | 29 | | -Camp_B42-BG2 | 2 | /26.f.4 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W24 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 58 |
| | | | | | | | | Page 90 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W25 | LiYCY 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | WH | | | | |
| | | | | BN | | | | |
| | | | | GN | | | | |
| | | | | YE | | | | |
| | | | | SH | | | | |
| | /26.f.6 | -X15 | 31 | | -Camp_B45-3-BG3 | 1 | /26.f.5 | |
| | /26.f.6 | -X15 | 32 | | -Camp_B45-3-BG3 | 2 | /26.f.6 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W25 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 59 |
| | | | | | | | | Page 91 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W26 | LiYCY 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | WH | | | | |
| | | | | BN | | | | |
| | | | | GN | | | | |
| | | | | YE | | | | |
| | | | | SH | | | | |
| | /26.f.8 | -X15 | 34 | | -Camp_B45-2-BG4 | 1 | /26.f.7 | |
| | /26.f.8 | -X15 | 35 | | -Camp_B45-2-BG4 | 2 | /26.f.8 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W26 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 60 |
| | | | | | | | | Page 92 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W27 | LiYCY 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | WH | | | | |
| | | | | BN | | | | |
| | | | | GN | | | | |
| | | | | YE | | | | |
| | | | | SH | | | | |
| | /26.g.2 | -X15 | 37 | | -Camp_B45-1-BG1 | 1 | /26.g.1 | |
| | /26.g.2 | -X15 | 38 | | -Camp_B45-1-BG1 | 2 | /26.g.2 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W27 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 61 |
| | | | | | | | | Page 93 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W28 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | /26.g.2 | -X15 | 37 | 1 | -X16 | 1 | /26.h.1 | |
| | /26.h.1 | -X16 | 2 | 2 | -R14 | A2 | /26.h.2 | |
| | /26.h.2 | -X16 | 3 | 3 | -R14 | A1 | /26.h.2 | |
| | /26.h.1 | -X16 | 1 | 1 | -X16 | 4 | /26.h.3 | |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W29 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /26.h.3 | -X16 | 4 | | -X16 | 7 | /26.h.6 | |
| | /26.h.4 | -X16 | 5 | | -R15 | A2 | /26.h.4 | |
| | /26.h.4 | -X16 | 6 | | -R15 | A1 | /26.h.4 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W29 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 63 |
| | | | | | | | | Page 95 / 119 |

# Cable diagram

F09_001

| Cable name =CA1+EAA-W30 | Cable type YSLY-JZ 04X1 GR | | No. of conductors 4 | | Cross-section 1 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /26.h.6 | -X16 | 7 | | -X16 | 10 | /26.h.8 | |
| | /26.h.6 | -X16 | 8 | | -R16 | A2 | /26.h.6 | |
| | /26.h.6 | -X16 | 9 | | -R16 | A1 | /26.h.6 | |

# Cable diagram

F09_001

| Cable name =CA1+EAA-W31 | Cable type YSLY-JZ 04X1 GR | | No. of conductors 4 | | Cross-section 1 | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /26.h.8 | -X16 | 10 | | -X16 | 13 | /26.i.1 | |
| | /26.h.8 | -X16 | 11 | | -R17 | A2 | /26.h.8 | |
| | /26.h.8 | -X16 | 12 | | -R17 | A1 | /26.h.8 | |

# Cable diagram

F09_001

| Cable name | | Cable type | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W32 | | YSLY-JZ 04X1 GR | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /26.i.1 | -X16 | 13 | | -X16 | 16 | /26.i.3 | |
| | /26.i.1 | -X16 | 14 | | -R18 | A2 | /26.i.1 | |
| | /26.i.1 | -X16 | 15 | | -R18 | A1 | /26.i.1 | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W32 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | IEC_bas001 | Page 66 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 98 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W33 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /26.i.3 | -X16 | 16 | | -X16 | 19 | /26.i.5 | |
| | /26.i.3 | -X16 | 17 | | -R19 | A2 | /26.i.4 | |
| | /26.i.4 | -X16 | 18 | | -R19 | A1 | /26.i.4 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W33 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 67 |
| | | | | | | | | Page 99 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W34 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /26.i.5 | -X16 | 19 | | -X16 | 22 | /26.i.8 | |
| | /26.i.6 | -X16 | 20 | | -R20 | A2 | /26.i.6 | |
| | /26.i.6 | -X16 | 21 | | -R20 | A1 | /26.i.6 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W34 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 68 |
| | | | | | | | | Page 100 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W35 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /26.i.8 | -X16 | 22 | | -X16 | 25 | /26.j.1 | |
| | /26.i.8 | -X16 | 23 | | -R21 | A2 | /26.i.8 | |
| | /26.i.8 | -X16 | 24 | | -R21 | A1 | /26.i.8 | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W35 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 Page 69 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 101 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W36 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /26.j.1 | -X16 | 25 | | -X16 | 28 | /26.j.3 | |
| | /26.j.1 | -X16 | 26 | | -R22 | A2 | /26.j.2 | |
| | /26.j.2 | -X16 | 27 | | -R22 | A1 | /26.j.2 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

69

71

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W36 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 70 |
| | | | | | | | | Page 102 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W37 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /26.j.4 | -X16 | 29 | | -R23 | A2 | /26.j.4 | |
| | /26.j.4 | -X16 | 30 | | -R23 | A1 | /26.j.4 | |



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W37 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 71 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 103 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W38 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /26.j.3 | -X16 | 28 | | -X16 | 31 | /26.j.6 | |
| | /26.j.6 | -X16 | 31 | | -X16 | 34 | /26.j.8 | |
| | /26.j.6 | -X16 | 32 | | -R24 | A2 | /26.j.6 | |
| | /26.j.6 | -X16 | 33 | | -R24 | A1 | /26.j.6 | |



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W38 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 72 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 104 / 119 |

# Cable diagram

F09_001

| Cable name | | Cable type | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W39 | | YSLY-JZ 04X1 GR | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /26.j.8 | -X16 | 34 | | -X16 | 37 | /26.k.1 | |
| | /26.j.8 | -X16 | 35 | | -R25 | A2 | /26.j.8 | |
| | /26.j.8 | -X16 | 36 | | -R25 | A1 | /26.j.8 | |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W40 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /26.k.1 | -X16 | 37 | | -R14 | 11 | /26.l.0 | |
| | /26.k.1 | -X16 | 38 | | -R26 | A2 | /26.k.2 | |
| | /26.k.2 | -X16 | 39 | | -R26 | A1 | /26.k.2 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W40 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 74 |
| | | | | | | | | Page 106 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W41 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /31.3 | -X30 | 3 | | -M14 | 1 | /31.3 | LINIAR MOTOR |
| | /31.3 | -X30 | 4 | | -M14 | N | /31.3 | = |
| | /31.4 | -X30 | 5 | | -M14 | 2 | /31.3 | = |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W41 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 75 |
| | | | | | | | | Page 107 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W42 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /31.5 | -X30 | 6 | | -M15 | 1 | /31.5 | LINIAR MOTOR |
| | /31.6 | -X30 | 7 | | -M15 | N | /31.5 | = |
| | /31.6 | -X30 | 8 | | -M15 | 2 | /31.5 | = |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W43 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /31.7 | -X30 | 9 | | -M16 | 1 | /31.7 | LINIAR MOTOR |
| | /31.8 | -X30 | 10 | | -M16 | N | /31.7 | = |
| | /31.8 | -X30 | 11 | | -M16 | 2 | /31.7 | = |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W43 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 77 |
| | | | | | | | | Page 109 / 119 |

# Cable diagram

F09_001

| Cable name | | Cable type | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W44 | | YSLY-JZ 04X1 GR | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /32.1 | -X30 | 12 | | -M17 | 1 | /32.1 | LINIAR MOTOR |
| | /32.1 | -X30 | 13 | | -M17 | N | /32.1 | = |
| | /32.1 | -X30 | 14 | | -M17 | 2 | /32.1 | = |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W45 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /32.3 | -X30 | 15 | | -M18 | 1 | /32.3 | LINIAR MOTOR |
| | /32.3 | -X30 | 16 | | -M18 | N | /32.3 | = |
| | /32.3 | -X30 | 17 | | -M18 | 2 | /32.3 | = |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W45 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 79 |
| | | | | | | | | Page 111 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W46 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /32.4 | -X30 | 18 | | -M19 | 1 | /32.4 | LINIAR MOTOR |
| | /32.5 | -X30 | 19 | | -M19 | N | /32.4 | = |
| | /32.5 | -X30 | 20 | | -M19 | 2 | /32.4 | = |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W46 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 80 |
| | | | | | | | | Page 112 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W47 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /32.6 | -X30 | 21 | | -M20 | 1 | /32.6 | LINIAR MOTOR |
| | /32.6 | -X30 | 22 | | -M20 | N | /32.6 | = |
| | /32.7 | -X30 | 23 | | -M20 | 2 | /32.6 | = |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W47 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 Page 81 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 113 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W48 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /32.8 | -X30 | 24 | | -M21 | 1 | /32.8 | LINIAR MOTOR |
| | /32.8 | -X30 | 25 | | -M21 | N | /32.8 | = |
| | /32.8 | -X30 | 26 | | -M21 | 2 | /32.8 | = |



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W48 | = CA1 | |
| | | | Ed | Nelu | | | | + EAA | |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 | Page 82 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | | Page 114 / 119 |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W49 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /33.1 | -X30 | 27 | | -M22 | 1 | /33.1 | LINIAR MOTOR |
| | /33.1 | -X30 | 28 | | -M22 | N | /33.1 | = |
| | /33.2 | -X30 | 29 | | -M22 | 2 | /33.1 | = |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W49 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 83 |
| | | | | | | | | Page 115 / 119 |

# Cable diagram

F09_001

| Cable name | | Cable type | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W50 | | YSLY-JZ 04X1 GR | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /33.3 | -X30 | 30 | | -M23 | 1 | /33.3 | LINIAR MOTOR |
| | /33.3 | -X30 | 31 | | -M23 | N | /33.3 | = |
| | /33.3 | -X30 | 32 | | -M23 | 2 | /33.3 | = |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W51 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /33.5 | -X30 | 33 | | -M24 | 1 | /33.5 | LINIAR MOTOR |
| | /33.5 | -X30 | 34 | | -M24 | N | /33.5 | = |
| | /33.5 | -X30 | 35 | | -M24 | 2 | /33.5 | = |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W51 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 85 |
| | | | | | | | | Page 117 / 119 |

# Cable diagram

F09_001

| Cable name | | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W52 | | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| **Function text** | **X-Ref** | **Target designation from** | **Connection point** | **Conductor** | **Target designation to** | **Connection point** | **X-Ref** | **Function text** | |
| | | | | GNYE | | | | | |
| | | | | 1 | | | | | |
| | | | | 2 | | | | | |
| | | | | 3 | | | | | |
| | /33.6 | -X30 | 36 | | -M25 | 1 | /33.6 | LINIAR MOTOR | |
| | /33.6 | -X30 | 37 | | -M25 | N | /33.6 | = | |
| | /33.7 | -X30 | 38 | | -M25 | 2 | /33.6 | = | |

# Cable diagram

F09_001

| Cable name | Cable type | | No. of conductors | | Cross-section | Cable length | | Function text |
|---|---|---|---|---|---|---|---|---|
| =CA1+EAA-W53 | YSLY-JZ 04X1 GR | | 4 | | 1 | | | |
| Function text | X-Ref | Target designation from | Connection point | Conductor | Target designation to | Connection point | X-Ref | Function text |
| | | | | GNYE | | | | |
| | | | | 1 | | | | |
| | | | | 2 | | | | |
| | | | | 3 | | | | |
| | /33.8 | -X30 | 39 | | -M26 | 1 | /33.8 | LINIAR MOTOR |
| | /33.8 | -X30 | 40 | | -M26 | N | /33.8 | = |
| | /33.8 | -X30 | 41 | | -M26 | 2 | /33.8 | = |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Date | 30/03/2023 | EPLAN | Sc TEHNIMARKET Srl. | Cable diagram =CA1+EAA-W53 | = CA1 |
| | | | Ed | Nelu | | | | + EAA |
| | | | Appr | | TE_Benzi buncar | | | IEC_bas001 |
| Modification | Date | Name | Original | | Replacement of | Replaced by | | Page 87 |
| | | | | | | | | Page 119 / 119 |