

Ata mah. Astim OSB 1.Cadde No:6 09100 AYDIN / TÜRKİYE

TEL: +90 256 231 04 73

Company / customer ROVERETA

Project description S570 (TMBR 75-HLZN 22)KW

Job number 6015

Project name MA00450A00.0002

Serial Number

Manufacturing date 2023

Type S570

Place of installation ITALIA

Input lead 380 VAC - 50 HZ
Control voltage 220 VAC - 24 VDC

Installed power 97 KW

POUNT

|S 570|

Responsible for project Muhammed Ali ÖZEN

Mail m.ozen@polatas.com.tr Number of pages 56

POLAT MAKINA SAN. VE TIC. A.Ş

Date	27.12.2022	EPLAN	
Ed.	M.OZEN		
Appr.		S570 (TMBR 75-HLZN 22)KW	
Original			

0 1 2 3 4 5 6 7 8

Table of contents

Column X: An automatically generated page was edited

Page	Page description	supplementary page field	Date	Edited by	Х
&1/1	Title page / cover sheet		27.12.2022	M.OZEN	
82/1	Table of contents: &1/1 - +D&4/3		27.12.2022	M.OZEN	
&2/1.a	Table of contents: +D&4/4 - =2&5/6		27.12.2022	M.OZEN	
83/1	Structure identifier overview		27.12.2022	M.OZEN	
8.3/2	Mounting Locations		27.12.2022	M.OZEN	
+P&4/1	400/230V AC Power Supply		27.12.2022	M.OZEN	
+P&4/2	24V DC Power Supply		27.12.2022	M.OZEN	
+P&4/3	Enclosure Lighting		27.12.2022	M.OZEN	
+P&4/4	Enclosure Ventilation		27.12.2022	M.OZEN	
+P&4/5	Decanter Main Motor Inverter Power Connections		27.12.2022	M.OZEN	
+P&4/6	Decanter Screw Motor Inverter Power Connections		27.12.2022	M.OZEN	
+P&4/7	Flow Meter Power Supply		27.12.2022	M.OZEN	
+P&4/8	Lubrication Pump Power Connections		27.12.2022	M.OZEN	
+P&4/9	PLC Overview		27.12.2022	M.OZEN	
+P&4/10	CPU Overview		27.12.2022	M.OZEN	
+P&4/11	AI1 Owerviev		27.12.2022	M.OZEN	
+P&4/12	CPU & HMI Power Supply		27.12.2022	M.OZEN	
+P&4/13	RS485 Module Connections		27.12.2022	M.OZEN	
+P&4/14	CPU Digital Inputs		27.12.2022	M.OZEN	
+P&4/15	CPU Analog Input/Outputs		27.12.2022	M.OZEN	
+P&4/16	CPU Digital Outputs		27.12.2022	M.OZEN	
+P&4/17	AI1 Analog Inputs		27.12.2022	M.OZEN	
+P&4/18	Relay Connections		27.12.2022	M.OZEN	
+P&4/19	Relay Connections		27.12.2022	M.OZEN	
+P&4/20	Decanter PT100 Converter Connections		27.12.2022	M.OZEN	
+P&4/21	Decanter Main Motor Inverter Control Connections		27.12.2022	M.OZEN	
+P&4/22	Decanter Scroll Motor Inverter Control Connections		27.12.2022	M.OZEN	
+P&4/23	Emergency Stop Safety Relay		27.12.2022	M.OZEN	
+P&4/24	Decanter Cover Switch Safety Relay		27.12.2022	M.OZEN	
+P&4/25	Decanter Box Connections		27.12.2022	M.OZEN	
+D&4/1	Speed Sensors		27.12.2022	M.OZEN	
+D&4/2	Lubrication Pump Connections		27.12.2022	M.OZEN	
+D&4/3	Temperature Sensors		27.12.2022	M.OZEN	

F06_001

Page

0 1 2 3 4 5 6 7 8 9

Table of contents

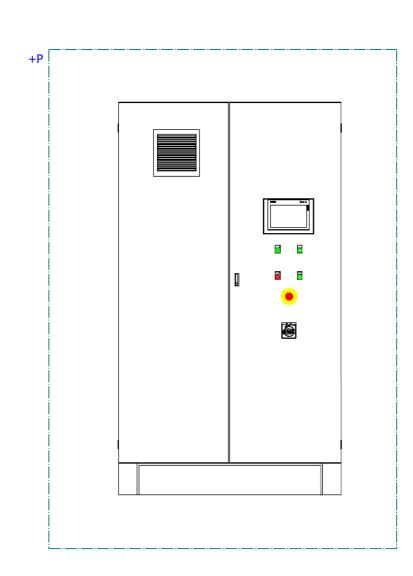
Column X: An automatically generated page was edited

F06_001

Page	Page description	supplementary page field	Date	Edited by	х
+D&4/4	Vibration Sensors		27.12.2022	M.OZEN	
+D&4/5	Emergency Stop & Cover Switch		27.12.2022	M.OZEN	
=1&5/7	Terminal-connection diagram +P-F9		27.12.2022	M.OZEN	
=1&5/8	Terminal-connection diagram +P-F10		27.12.2022	M.OZEN	
=1&5/9	Terminal-connection diagram +P-F14		27.12.2022	M.OZEN	
=1&5/10	Terminal-connection diagram +P-F15		27.12.2022	M.OZEN	
=1&5/11	Terminal-connection diagram +P-X0		27.12.2022	M.OZEN	
=1&5/12	Terminal-connection diagram +P-X11A		27.12.2022	M.OZEN	
=1&5/13	Terminal-connection diagram +P-X100		27.12.2022	M.OZEN	
=1&5/14	Terminal-connection diagram +P-X101		27.12.2022	M.OZEN	
=1&5/15	Terminal-connection diagram +P-X102		27.12.2022	M.OZEN	
=1&5/16	Terminal-connection diagram +P-X103		27.12.2022	M.OZEN	
=1&5/17	Terminal-connection diagram +P-X104		27.12.2022	M.OZEN	
=1&5/18	Terminal-connection diagram +P-X105		27.12.2022	M.OZEN	
=1&5/19	Terminal-connection diagram +P-X106		27.12.2022	M.OZEN	
=1&5/20	Terminal-connection diagram +P-X107		27.12.2022	M.OZEN	
=1&5/21	Terminal-connection diagram +D-X100		27.12.2022	M.OZEN	
=2&5/1	Cable diagram:W0		27.12.2022	M.OZEN	
=2&5/2	Cable diagram:W11		27.12.2022	M.OZEN	
=2&5/3	Cable diagram:W11A		27.12.2022	M.OZEN	
=2&5/4	Cable diagram:W100.1		27.12.2022	M.OZEN	
=2&5/5	Cable diagram:W100.2		27.12.2022	M.OZEN	
=2&5/6	Cable diagram:W100.3		27.12.2022	M.OZEN	

Structure identifier overview

Full designation	Labeling	Structure description	Full designation	Labeling	Structure description
&EAA	Document type	Administrative documents	&ELU	Document type	In/on-equipment location documents
&EAB	Document type	Lists (regarding documents)	&ELZ	Document type	Free for user
&EAC	Document type	Explanatory documents (regarding documents)	&EMA	Document type	Connection documents
&EAZ	Document type	Free for user	&EMB	Document type	Cabling or piping documents
&EBA	Document type	Registers	&EMZ	Document type	Free for user
&EBF	Document type	Dispatch, storage and transport documents	&EPA	Document type	Material lists
&EBH	Document type	Documents regarding changes	&EPB	Document type	Parts lists
&EBZ	Document type	Free for user	&EPC	Document type	Item lists
&ECB	Document type	Approval documents	&EPD	Document type	Product lists and product type lists
&ECD	Document type	Order and delivery documents	&EPF	Document type	Function lists
&ECZ	Document type	Free for user	&EPL	Document type	Location lists
&EDA	Document type	Data sheets	&EPZ	Document type	Free for user
&EDB	Document type	Explanatory documents	&EQA	Document type	Quality management documents
&EDC	Document type	Instructions and manuals	&EQB	Document type	Safety-describing documents
&EDD	Document type	Technical reports	&EQC	Document type	Quality verifying documents
&EDZ	Document type	Free for user	&EQZ	Document type	Free for user
&EEA	Document type	Legal requirement documents	&ETA	Document type	Planning drawings
&EEB	Document type	Standards and regulations	&ETB	Document type	Construction drawings
&EEC	Document type	Technical specification / requirement documents	&ETC	Document type	Manufacturing and erection drawings
&EED	Document type	Dimensioning documents	&ETL	Document type	Arrangement documents
&EEZ	Document type	Free for user	&ETZ	Document type	Free for user
&EFA	Document type	Functional overview documents	&EWA	Document type	Setting value documents
&EFB	Document type	Flow diagrams	&EWT	Document type	Logbooks
&EFC	Document type	MMI layout documents (MMI = man-machine interface)	&EWZ	Document type	Free for user
&EFE	Document type	Function descriptions	&1	Document type	Title Page / Cover Sheet
&EFF	Document type	Function diagrams	&3	Document type	Structure Identifier
&EFP	Document type	Signal descriptions	&4	Document type	Electrical Schematic
&EFQ	Document type	Setting value documents	&5	Document type	Reports
&EFS	Document type	Circuitry documents	=1	Fonksiyon tanımlayıcısı	Terminal-connection diagram
&EFT	Document type	Software specific documents	=2	Fonksiyon tanımlayıcısı	Cable connection diagram
&EFZ	Document type	Free for user	+P	Konum tanımlayıcısı	Enclosure
&ELD	Document type	On-site location documents	+D	Konum tanımlayıcısı	Decanter
&ELH	Document type	In-building location documents (also applied for ships, aircraft, e	etc.)		







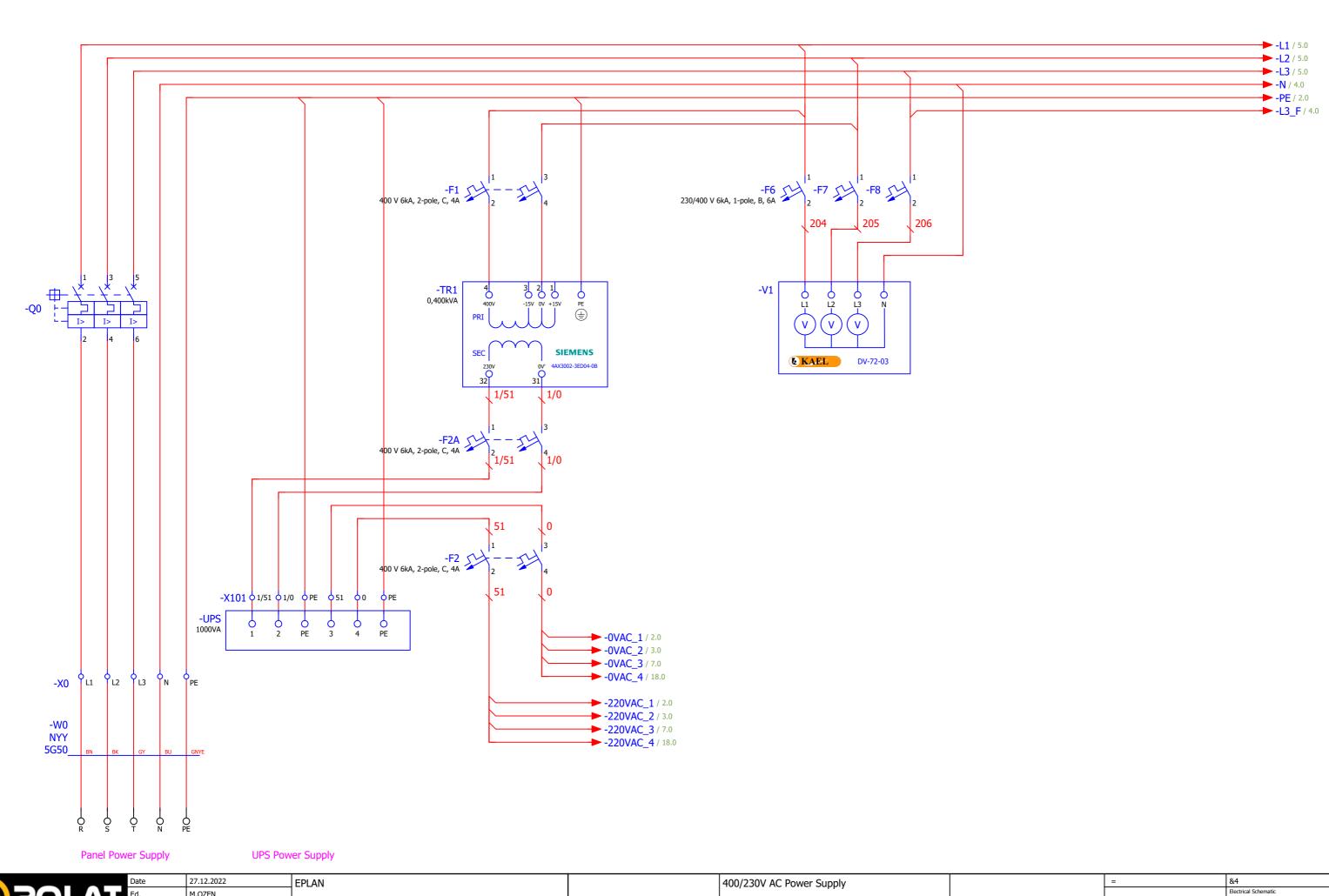
Decanter

Date 27.12.2022 EPLAN

Ed. M.OZEN

Appr. S570 (TMBR 75-HLZN 22)KW

Original



+&3/2

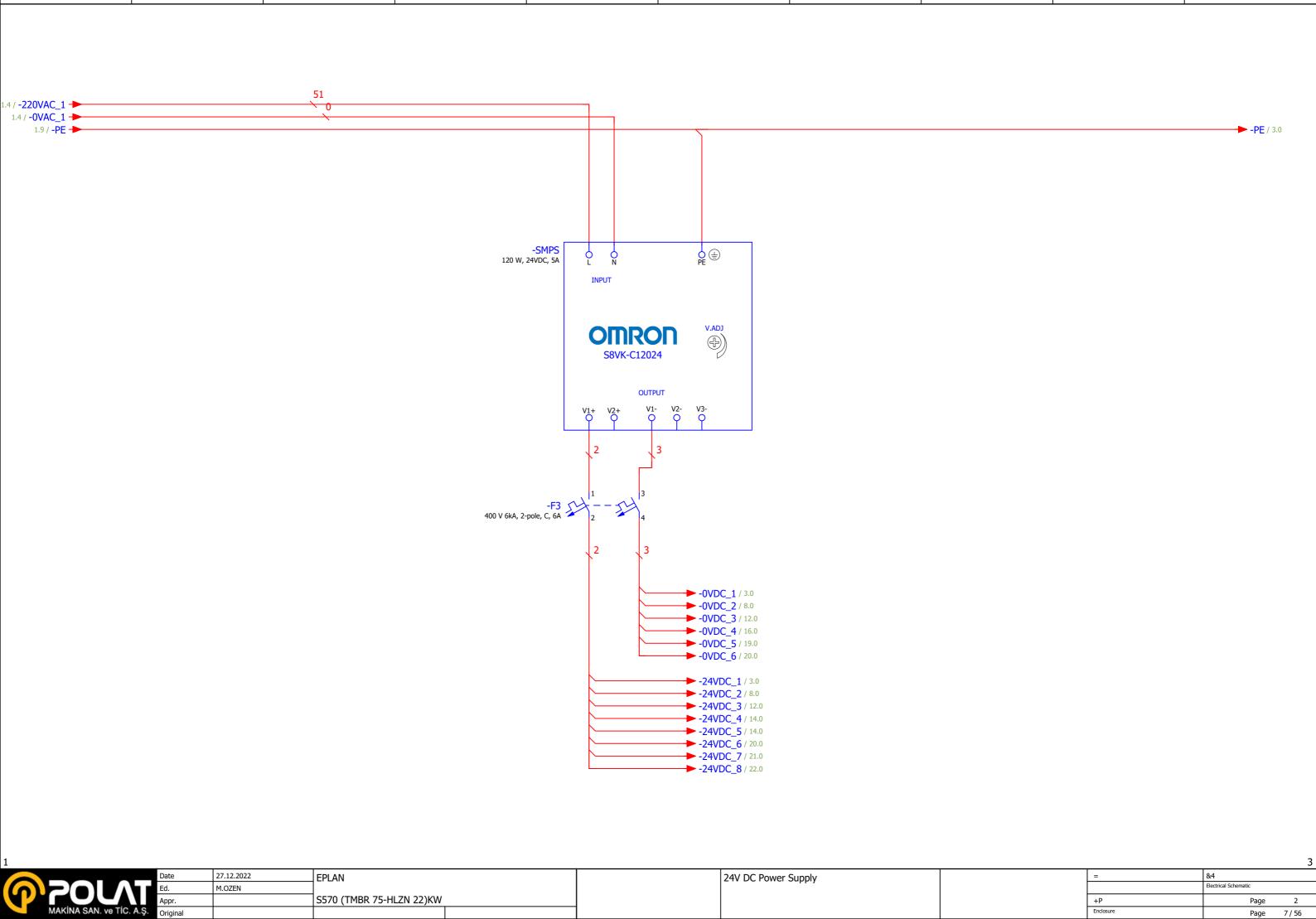
M.OZEN

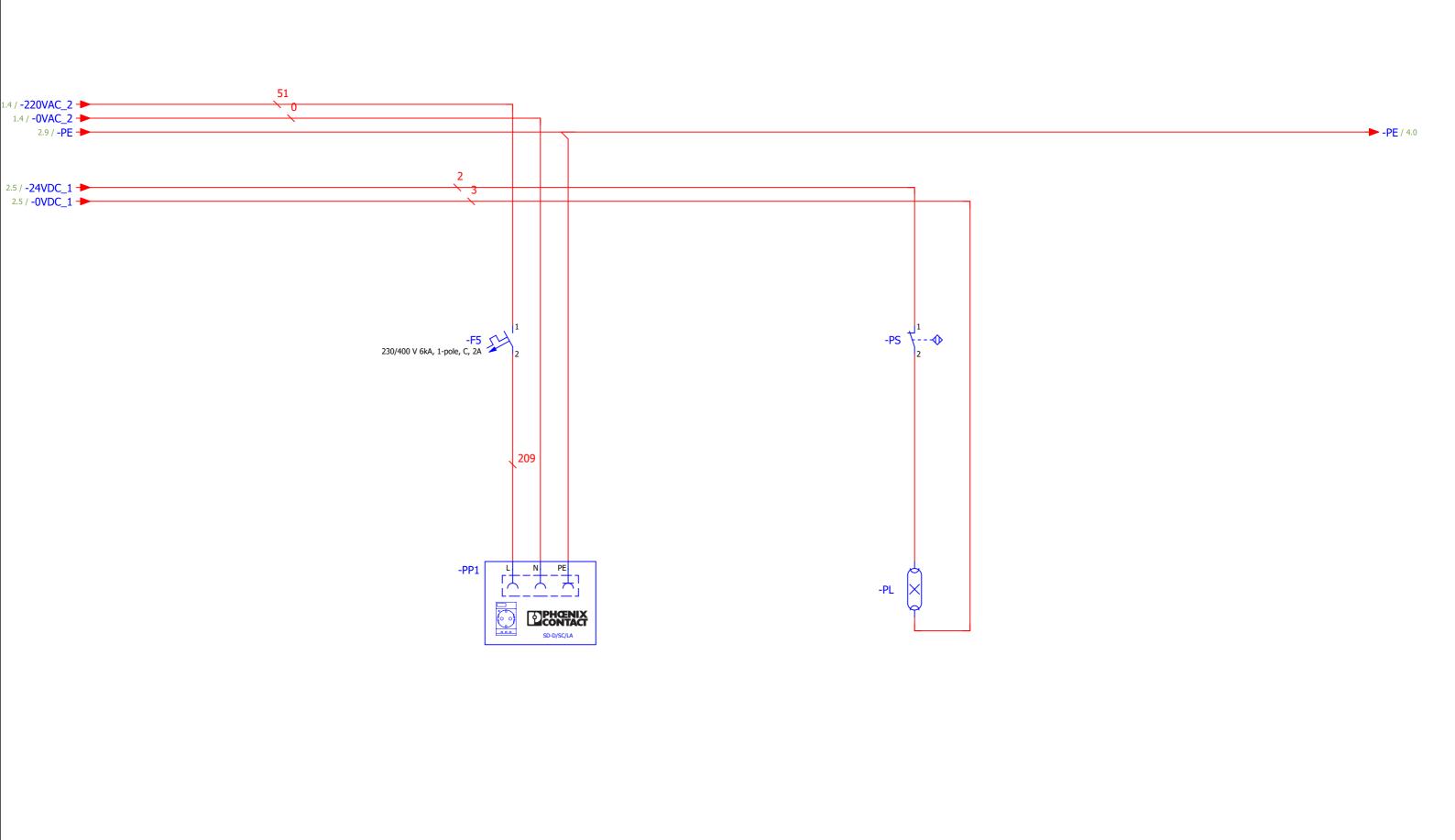
S570 (TMBR 75-HLZN 22)KW

1 6 / 56

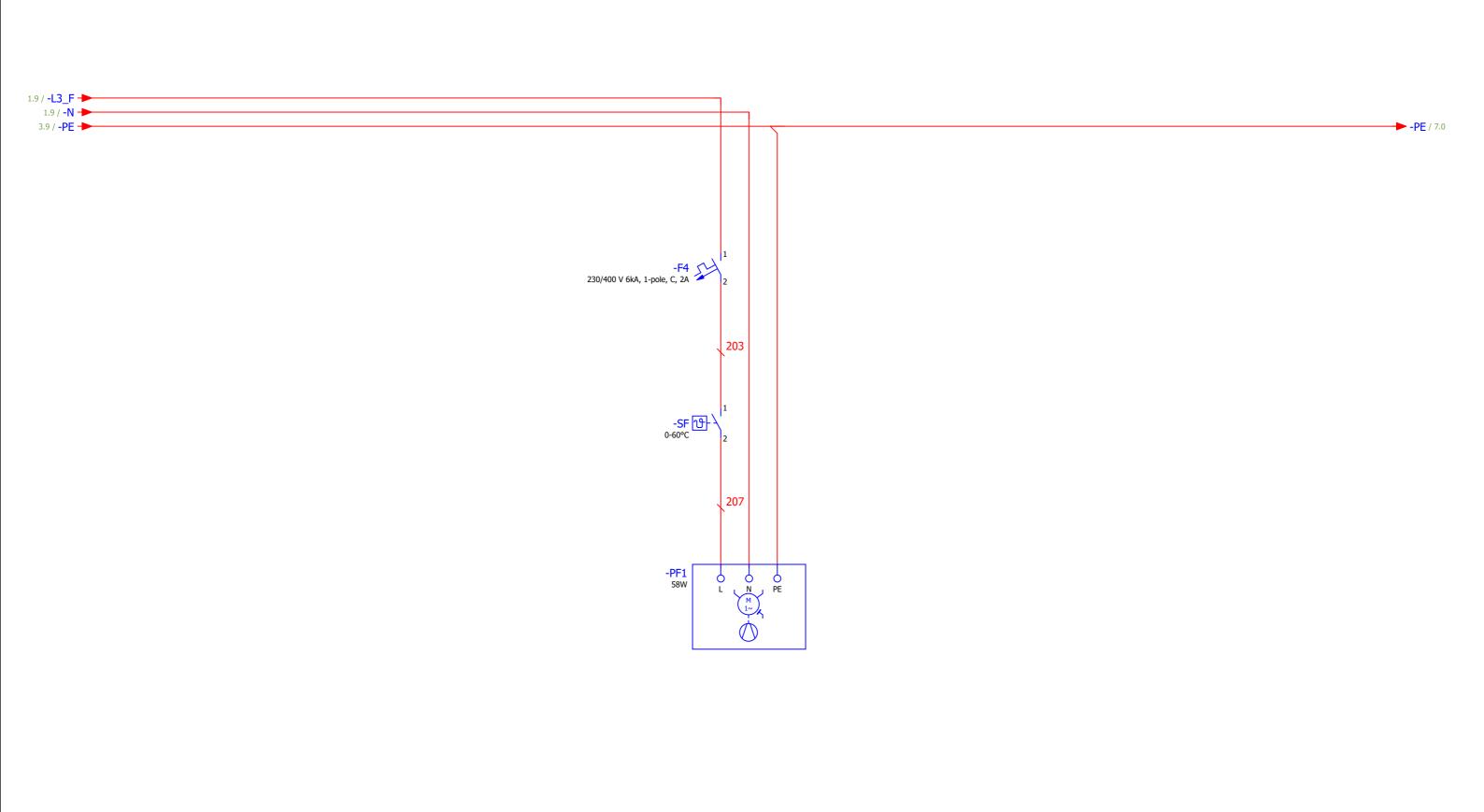
Page Page

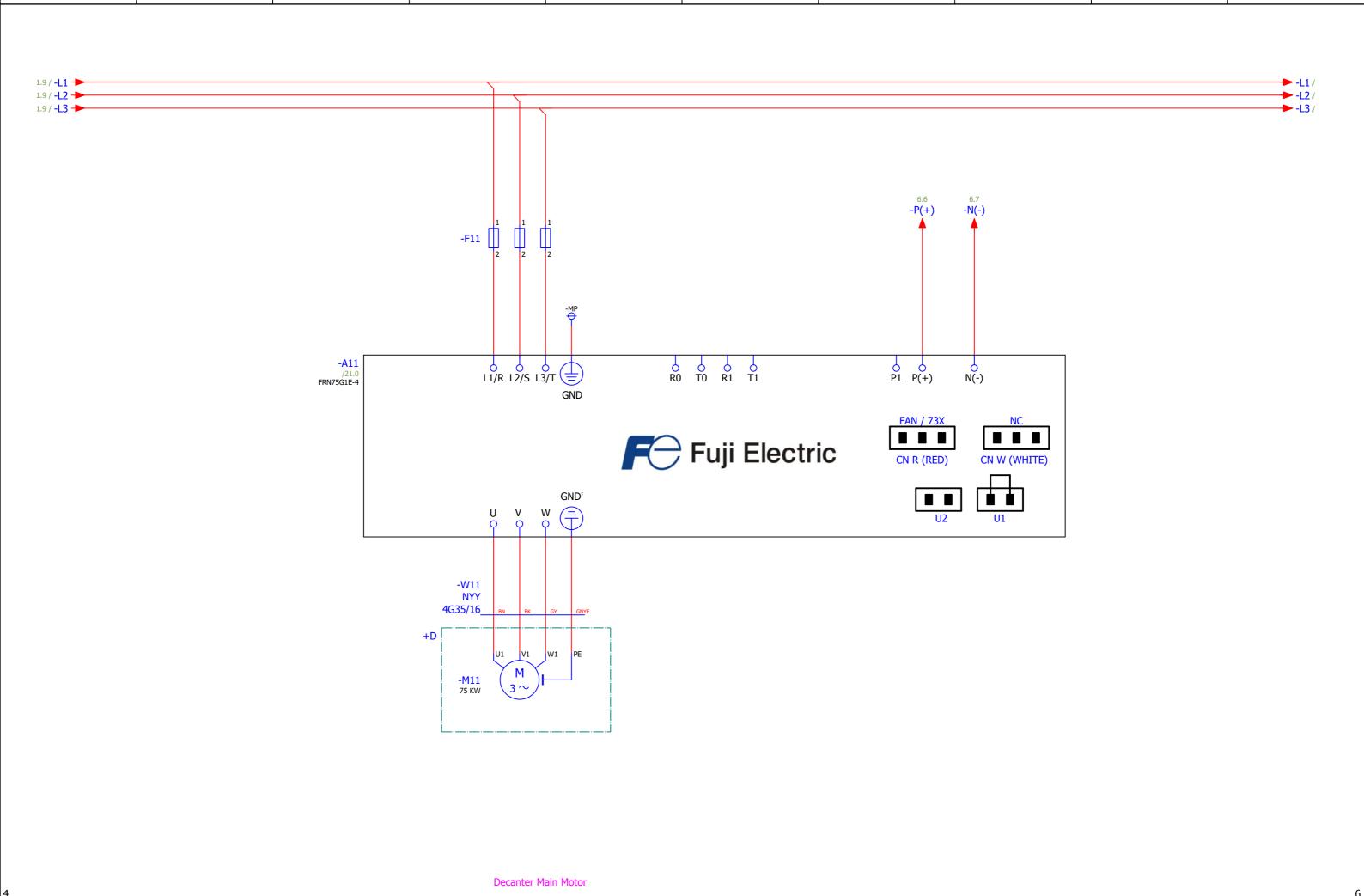
+P Enclosure





| Date | 27.12.2022 | EPLAN | Ed. | M.OZEN | Appr. | S770 (TMBR 75-HLZN 22)KW | Enclosure Lighting | Enclosure Lig





Date 27.12.2022 EPLAN

Ed. M.OZEN

Appr. S570 (TMBR 75-HLZN 22)KW

Decanter Main Motor Inverter Power Connections = +P

Page 5 Page 10 / 56

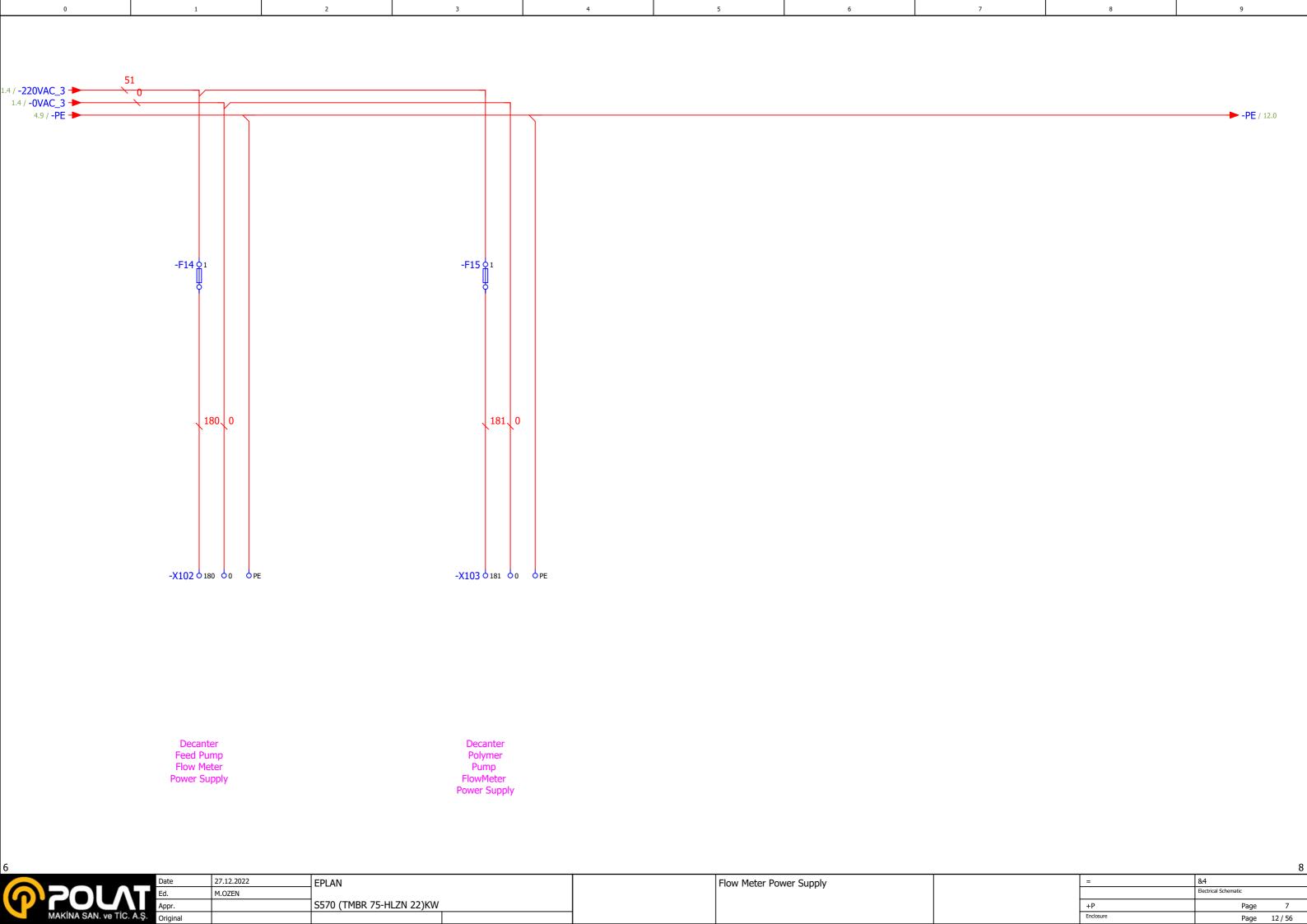
5.7 **-N(-)** -F11A L1/R L2/S L3/T = GND -A11A P1 P(+) DB N(-) R0 T0 /22.0 FRN22G1E-4 F Fuji Electric GND' -X11A 0111A 0111A 0W11A PE -W11A TTR 4G16_ +D -M11A 22 KW

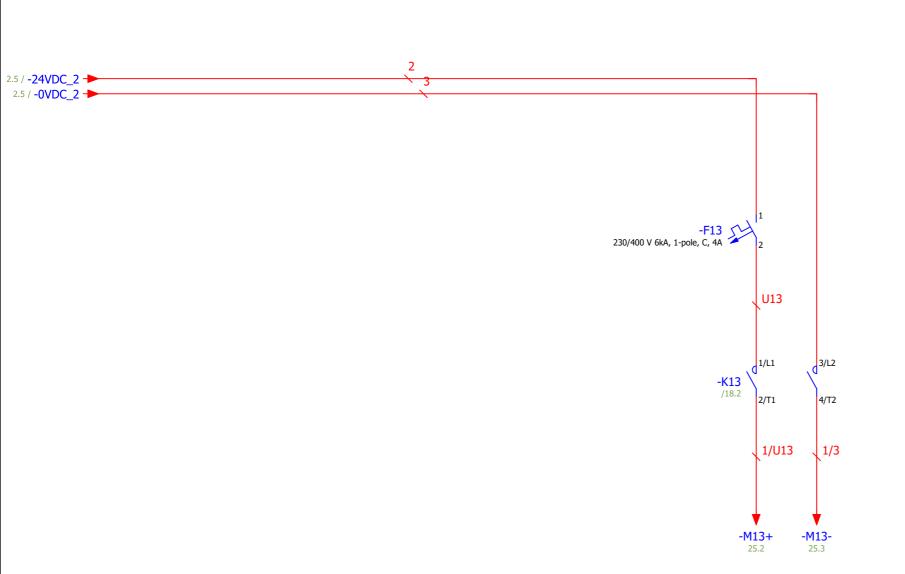
Decanter Screw Motor

POLAT MAKINA SAN. VE TIC. A.Ş

Date	27.12.2022	EPLAN	
Ed.	M.OZEN		
Appr.		S570 (TMBR 75-HLZN 22)KW	
Original			

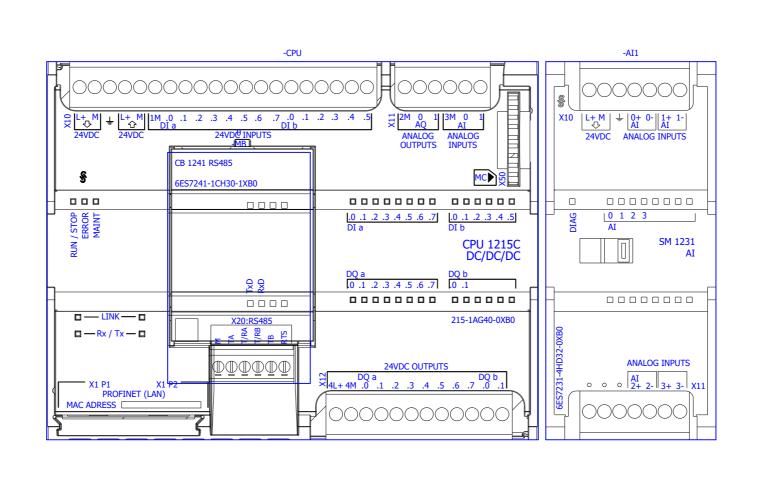
Page 6 Page 11 / 56





POLA'
MAKINA SAN. VE TIC. A

Date	27.12.2022	EPLAN	
Ed.	M.OZEN		
Appr.		S570 (TMBR 75-HLZN 22)KW	
Original			



POLATION NAKINA SAN. VE TIC. A.

Date 27.12.2022 EPLAN

Ed. M.OZEN

Appr. S570 (TMBR 75-HLZN 22)KW

Original

-CPU SIEMENS S7-1200 CPU 1215C DC/DC/DC X1 P1 R /12.0 X1 P2 R -X10:1 -X11:1 /12.2 /15.3 -X10:2 /12.0 /15.3 Decanter Feed Pump Speed Referance -X11:3 -X10:3 /12.1 /15.4 Decanter Polymer Pump Speed Referance -X10:4 /12.1 /12.3 /15.5 /12.1 /12.1 /14.1 /15.6 Decanter Feed Pump Flow Meter Signal Decanter Bowl Speed Sensor /14.1 I124.0 /15.6 Decanter Polymer Pump Flow Meter Signal DI a.0 -X10:8 /14.2 I124.1 Emergency Stop DI a.1 -X10:9 /12.2 /16.1 /14.2 I124.2 Decanter Scroll Speed Sensor DI a.2 -X10:10 -X12:2 ○■) /12.2 /16.2 Decanter Main Motor Inverter Fault /14.3 I124.3 -X10:11 -X12:3 Decanter Scroll Motor Inverter Fault /14.3 I124.4 /16.2 Decanter Stopping Relay -X10:12 Decanter Start Button /14.4 I124.5 Q124.1 /16.3 Decanter Running Relay -X10:13 Decanter Stop Button /14.5 I124.6 /16.4 Decanter Feed Pump Run Relay -X10:14 Decanter Feed Pump Start Button I124.7 /16.4 Decanter Main Motor Run Relay -X10:15 Decanter Feed Pump Inverter Fault /16.5 Decanter Scroll Motor Run Relay -X10:16 Lubrication Pump Flow Sensor /14.6 I125.1 /16.6 Dekantör Lubrication Pump Run Relay -X10:17 Decanter Cover Open /14.7 I125.2 /16.6 Decanter Cleaning Valve Run Relay Decanter Polymer Pump Inverter Fault /14.7 I125.3 /16.7 Alarm DI b.3 Cake Conveyor Start Button /14.8 I125.4 /16.8 Cake Conveyor Run Relay Cake Conveyor Thermic Fault /14.9 I125.5 Q125.1 /16.8 6ES7215-1AG40-0XB0

POLA MAKINA SAN. VE TIC.
 Date
 27.12.2022
 EPLAN

 Ed.
 M.OZEN

 Appr.
 S570 (TMBR 75-HLZN 22)KW

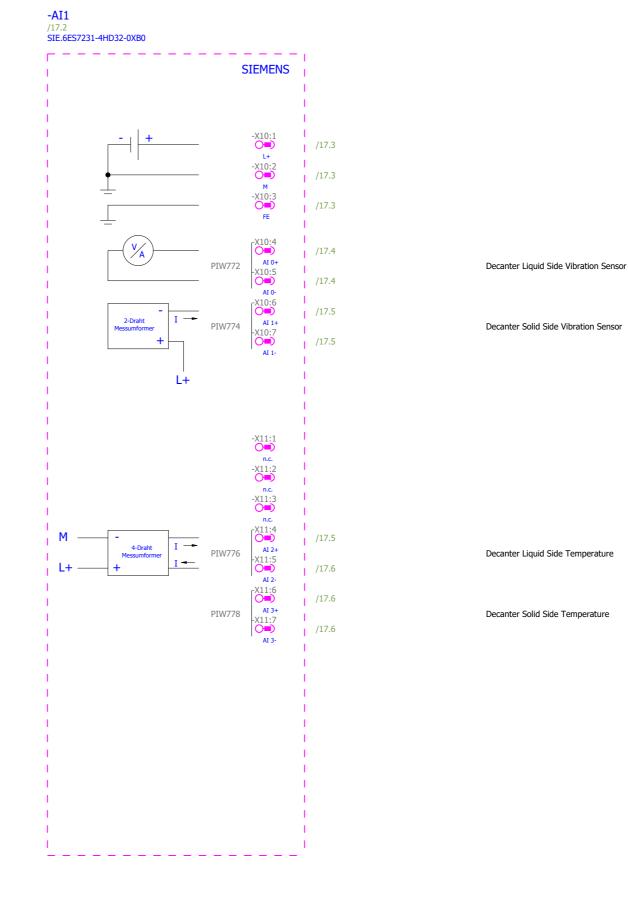
 =
 &4

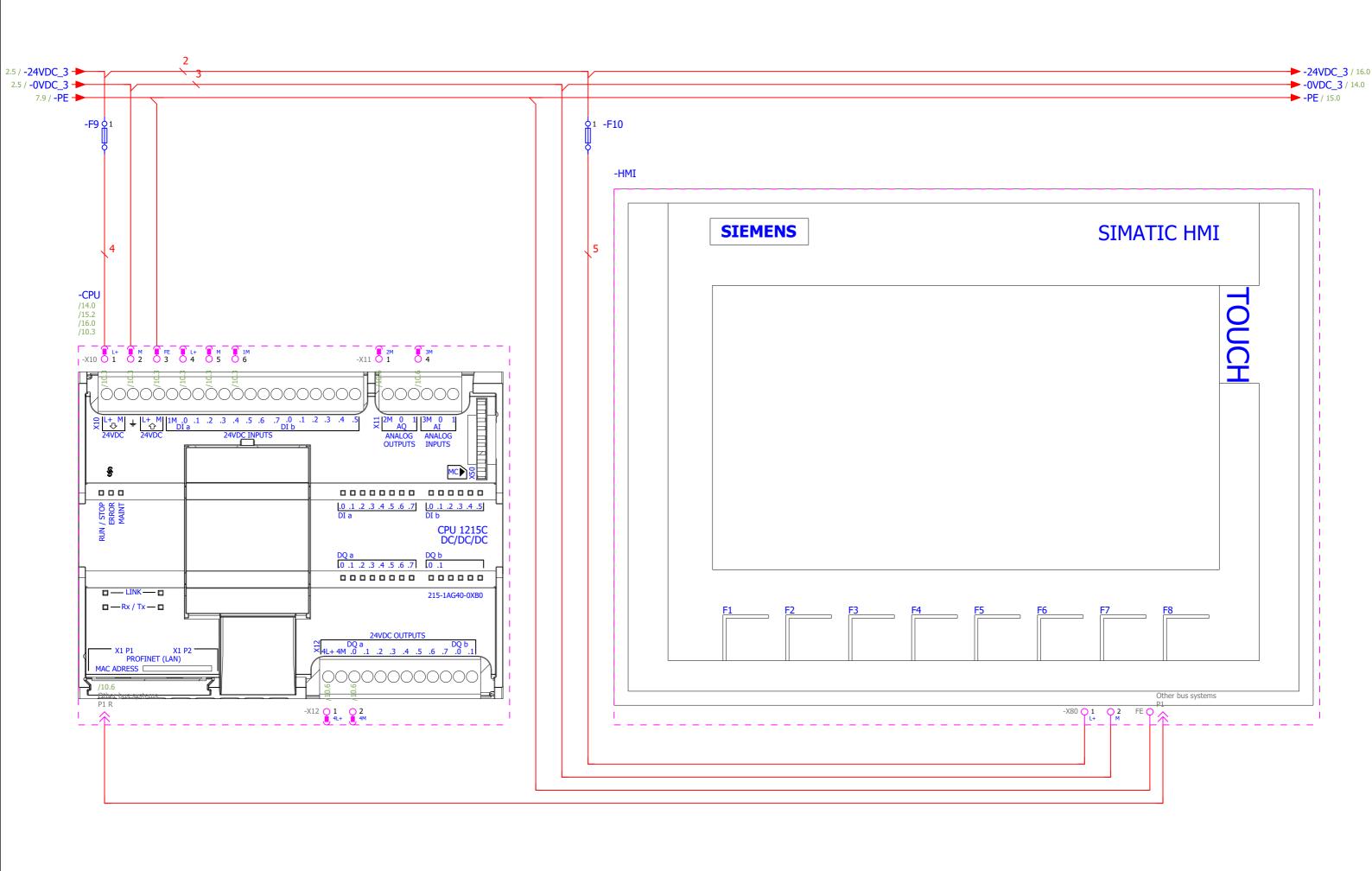
 Electrical Schematic
 +P

 +P
 Page 10

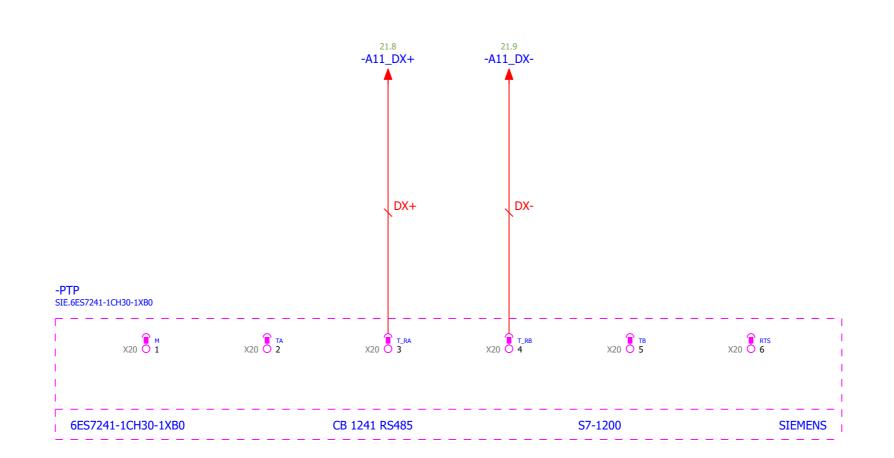
 Enclosure
 Page 15 / 56







| Date | 27.12.2022 | EPLAN | Electrical Schematic | FPLAN | Electrical Schematic | FPLAN | Electrical Schematic | FPLAN | FPL

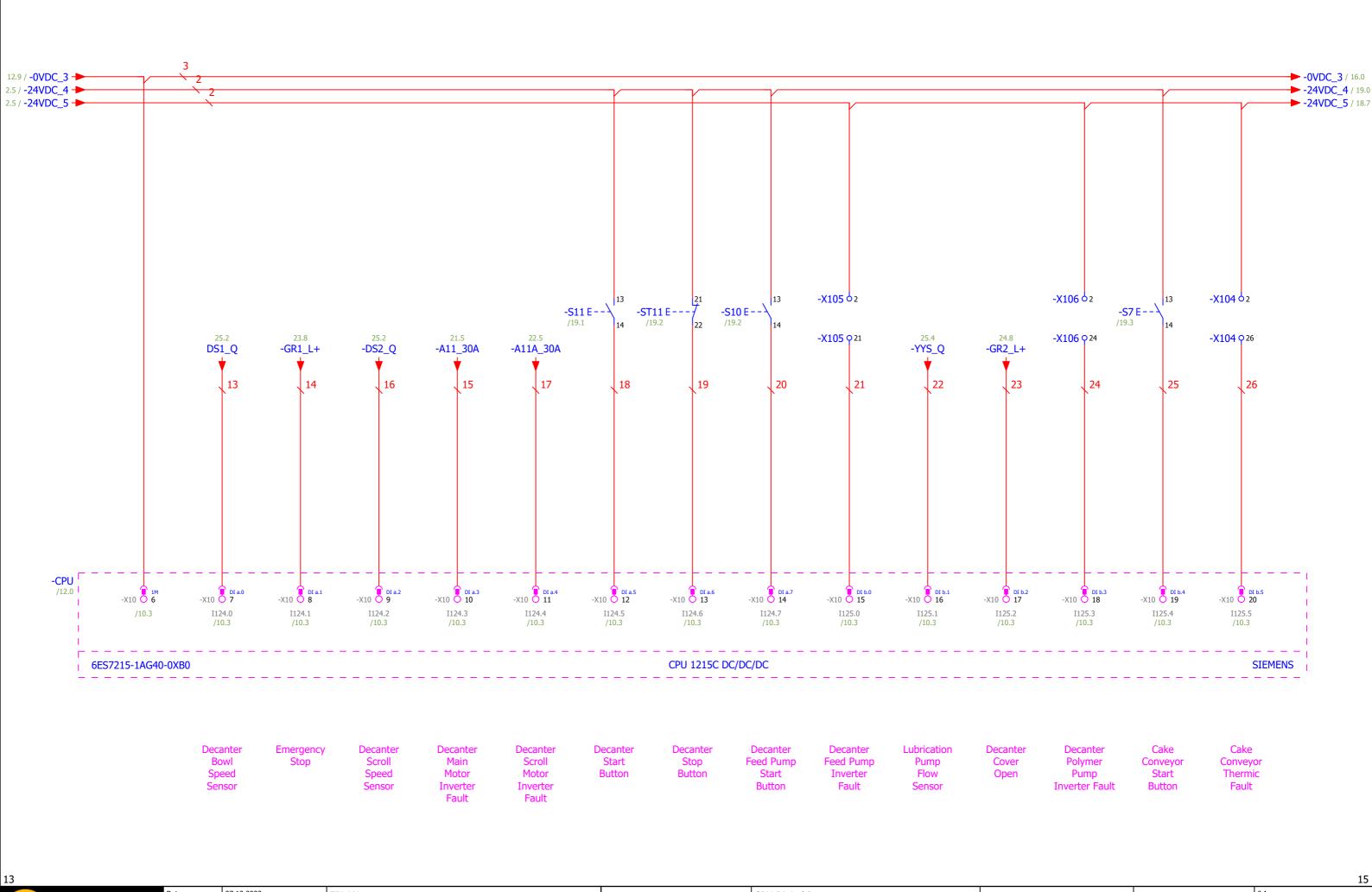


POLA MAKINA SAN. VE TIC.
 Date
 27.12.2022
 EPLAN

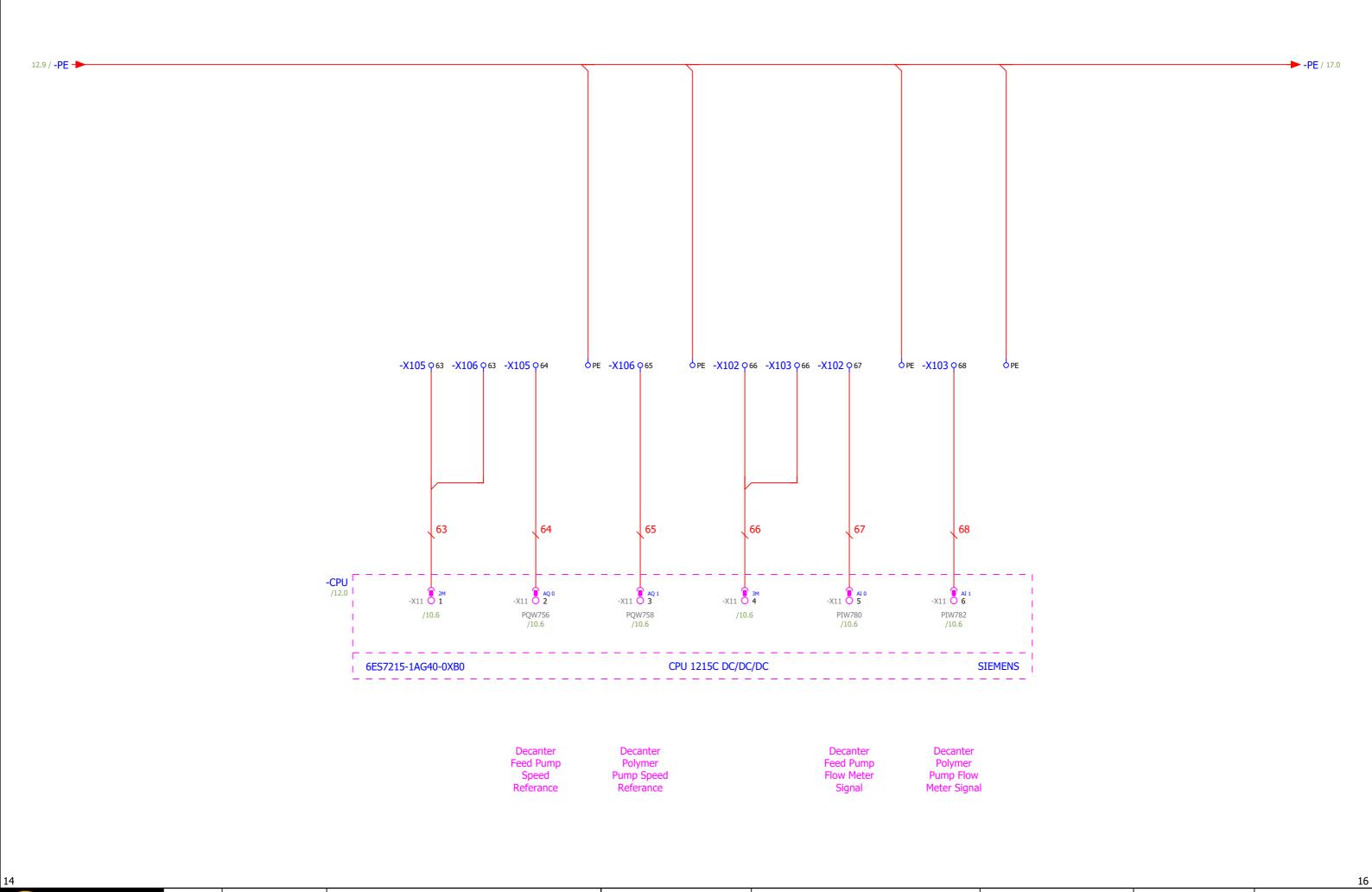
 id.
 M.OZEN

 sppr.
 S570 (TMBR 75-HLZN 22)KW

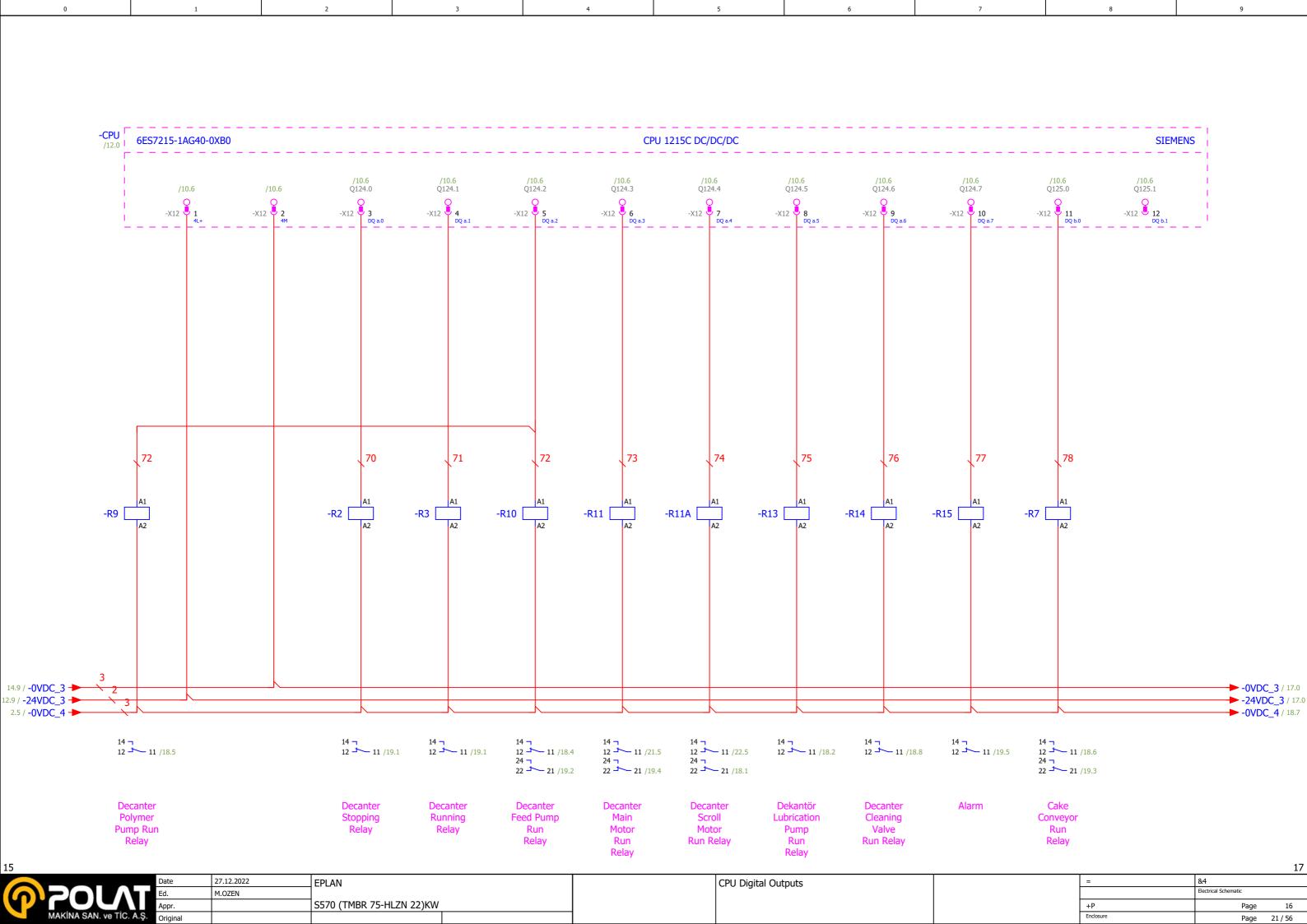
RS485 Module Connections

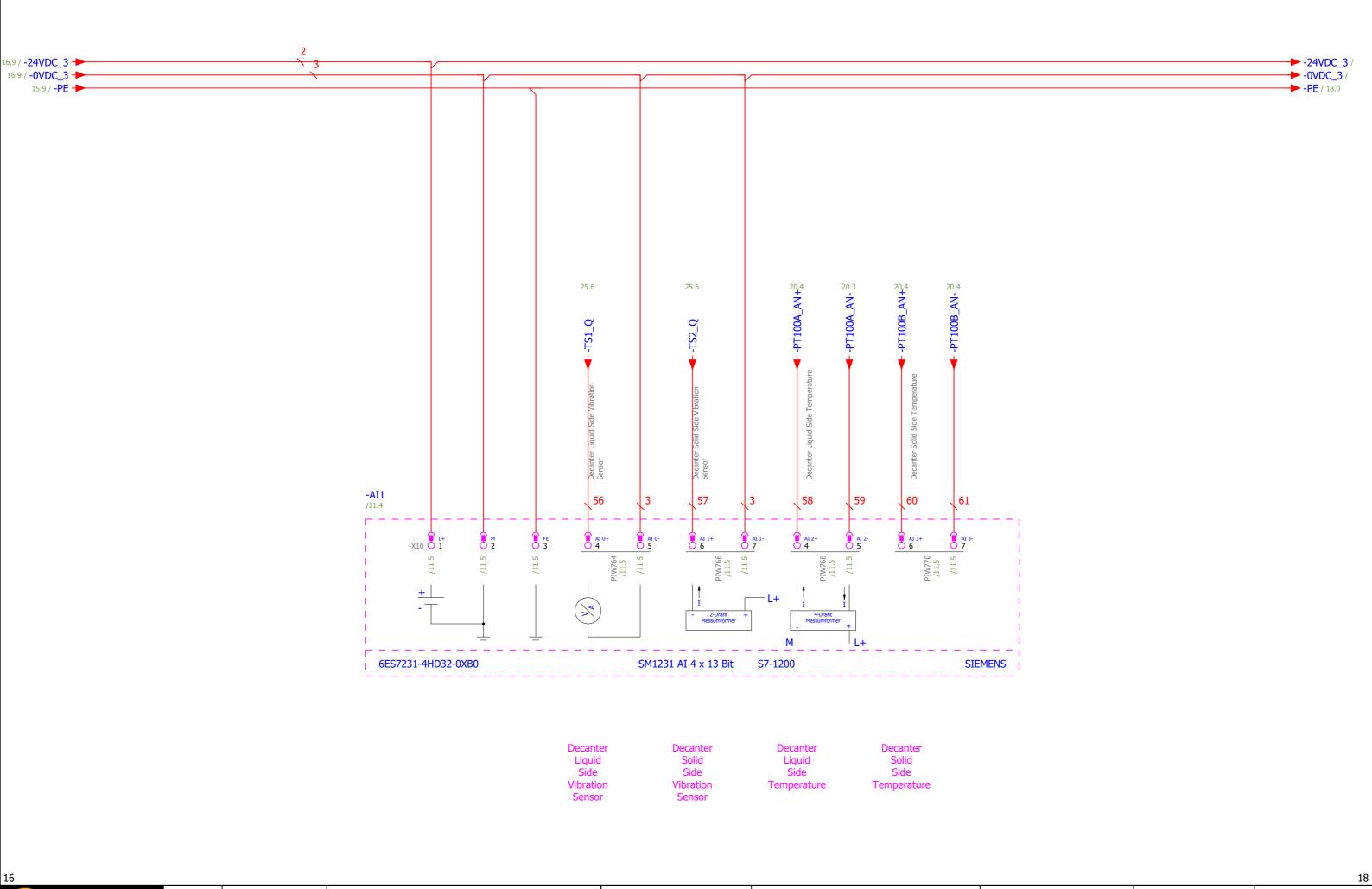


27.12.2022 EPLAN **CPU Digital Inputs** Electrical Schematic M.OZEN S570 (TMBR 75-HLZN 22)KW Page Enclosure Page 19 / 56

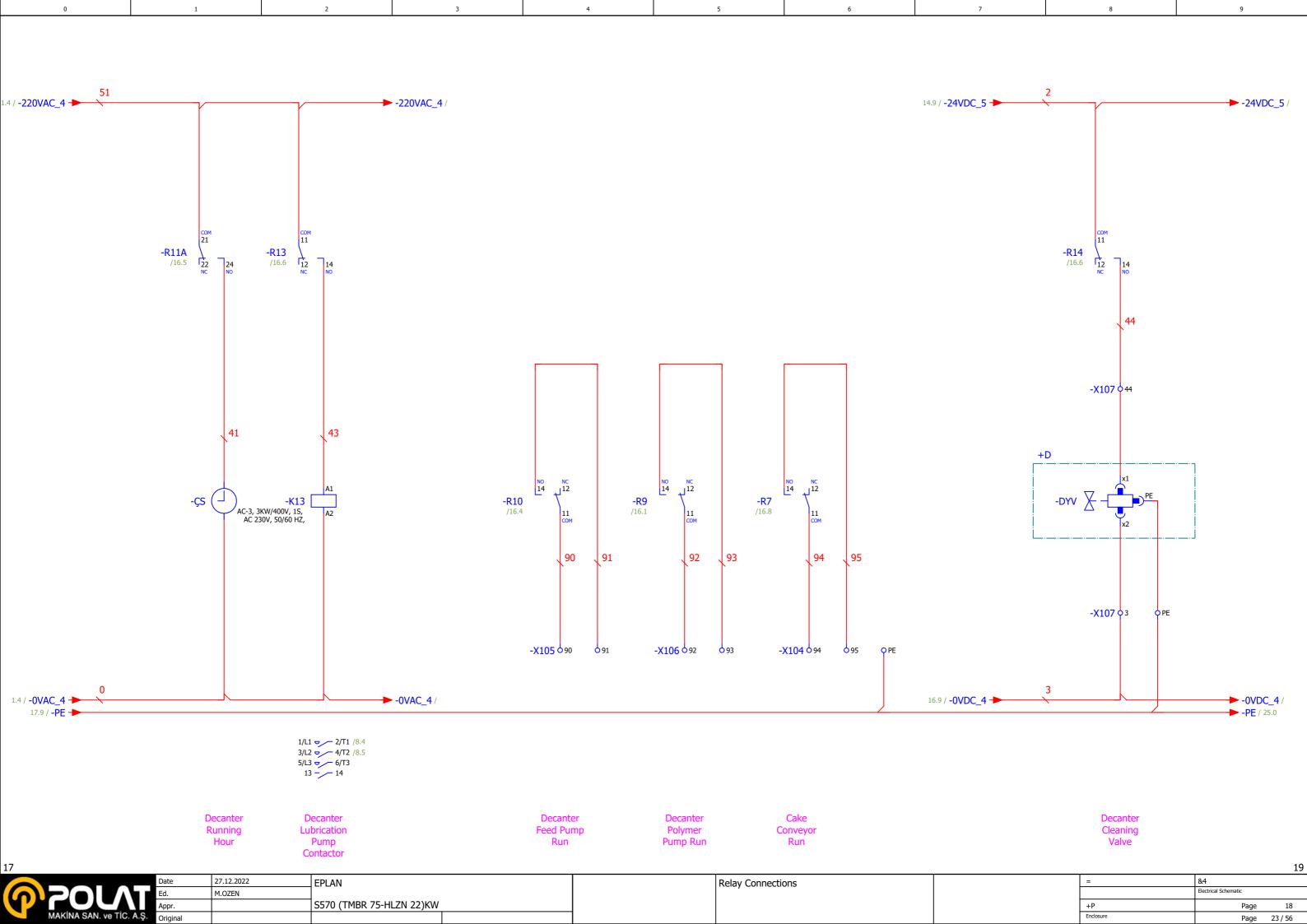


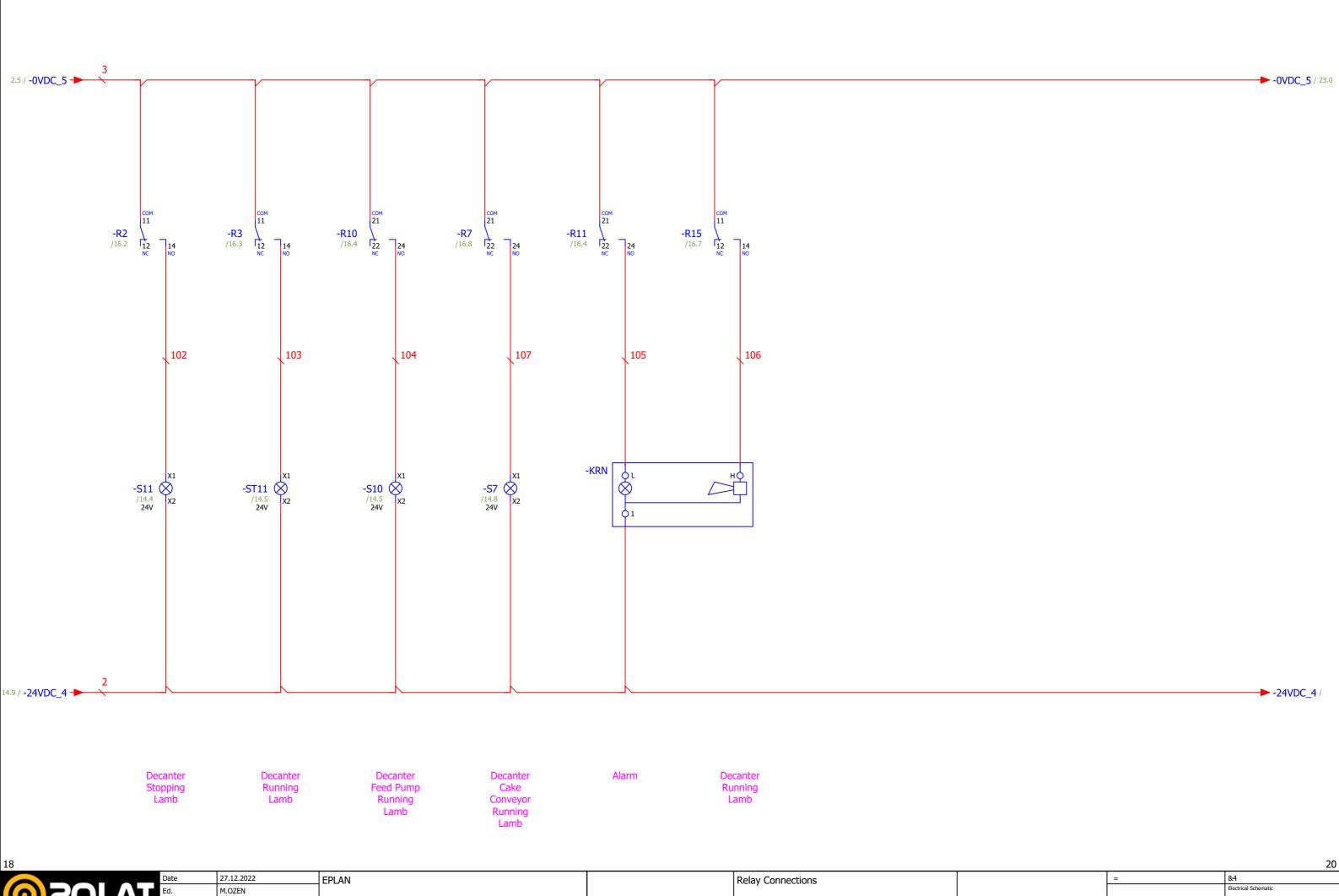
| Date | 27.12.2022 | EPLAN | Ed. | M.OZEN | Appr. | S570 (TMBR 75-HLZN 22)KW | Electrical Schematic | Floating Input/Outputs | Floating Input/Outputs | Electrical Schematic | Floating Input/Outputs | Floating Input/Outpu





&4 Electrical Schematic 27.12.2022 EPLAN AI1 Analog Inputs M.OZEN S570 (TMBR 75-HLZN 22)KW Page Enclosure Page 22 / 56

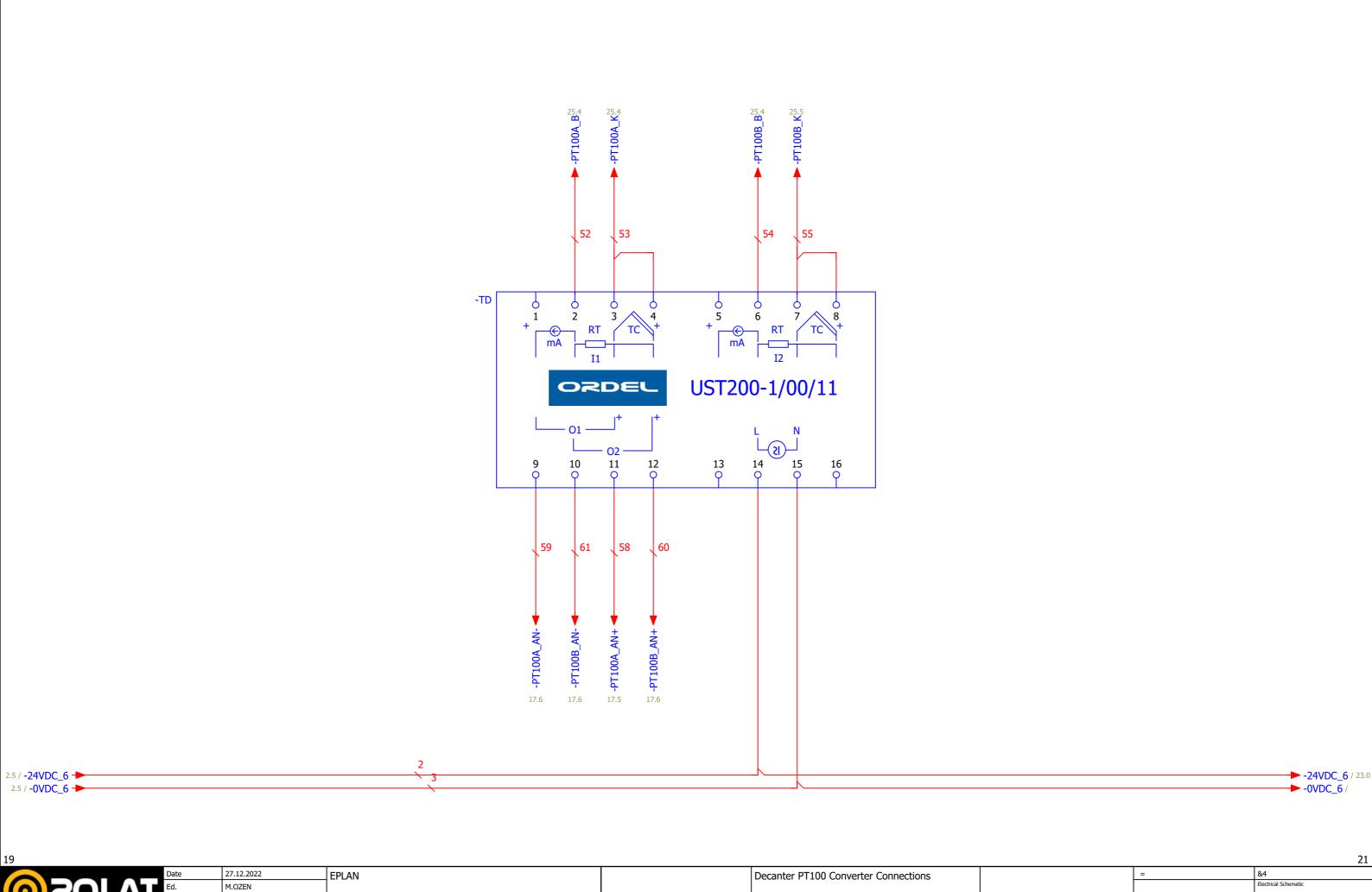




S570 (TMBR 75-HLZN 22)KW

Page 19
Page 24 / 56

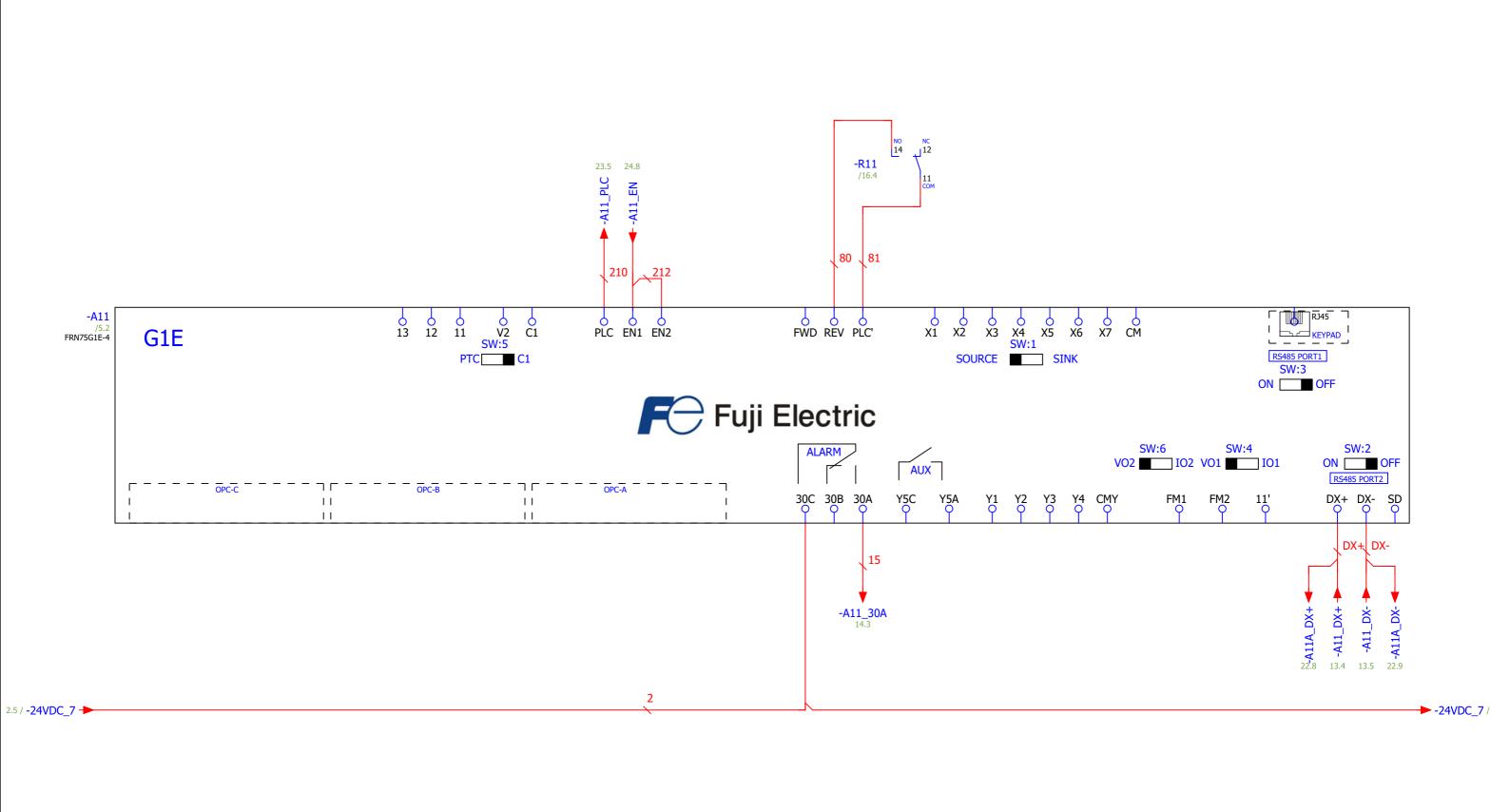
+P Enclosure



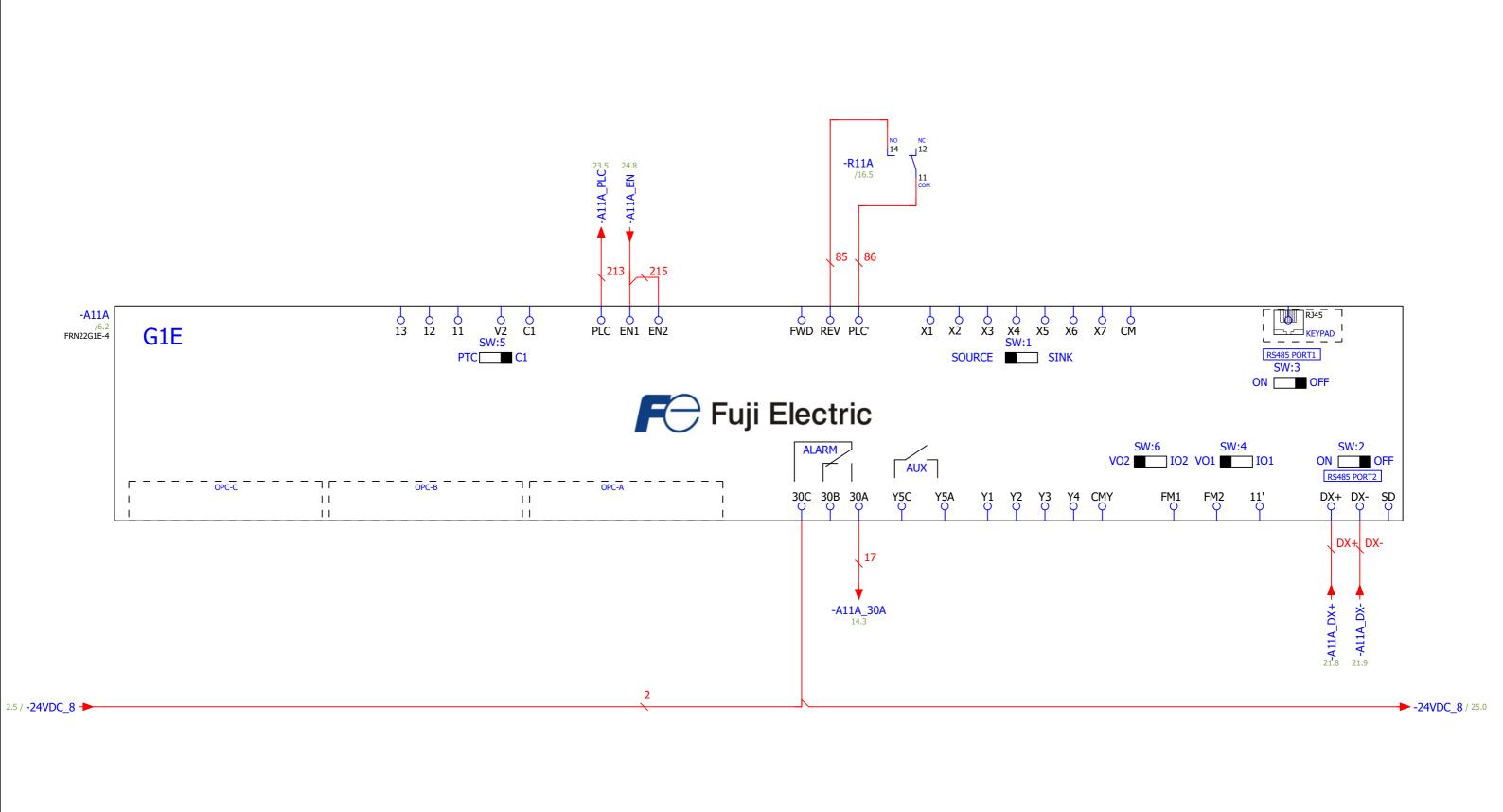
S570 (TMBR 75-HLZN 22)KW

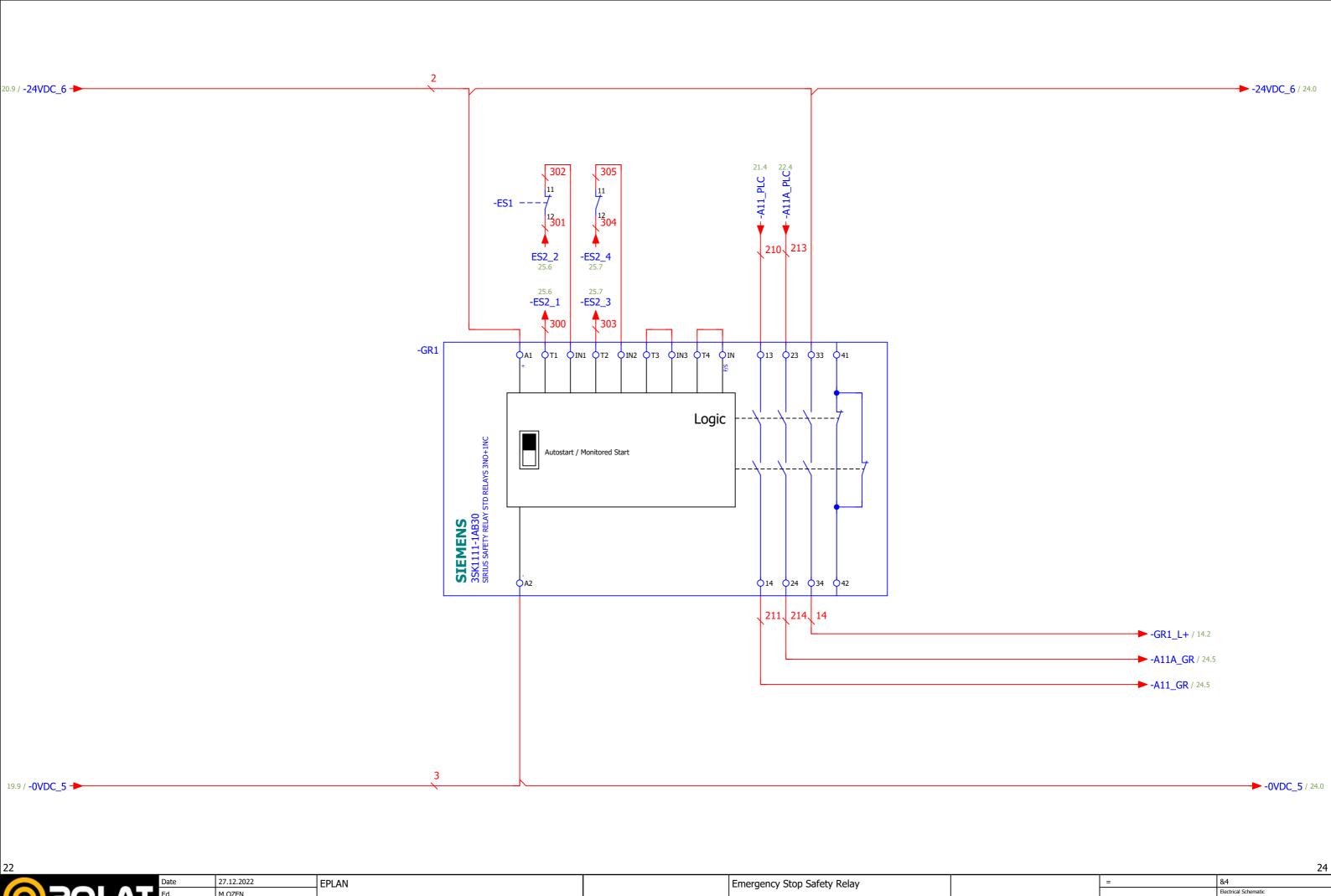
Page 20
Page 25 / 56

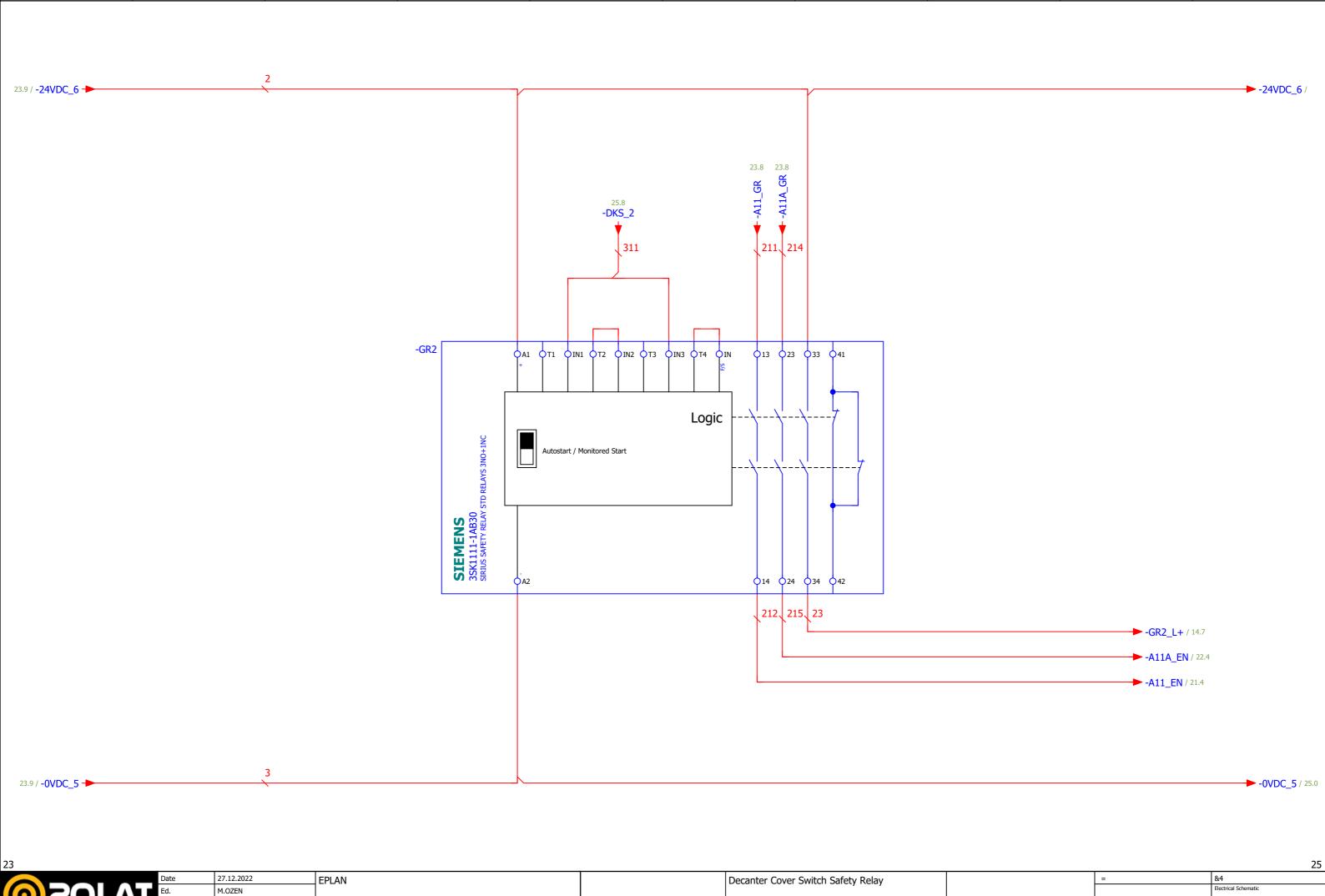
+P Enclosure



| Date | 27.12.2022 | EPLAN | | Ed. | M.OZEN | EPLAN | | Electrical Schematic | Ed. | M.OZEN | Enclosure | Eplan | Eplan | Electrical Schematic | Electrical Schematic | Electrical Schematic | Electrical Schematic | Enclosure | Enclosu

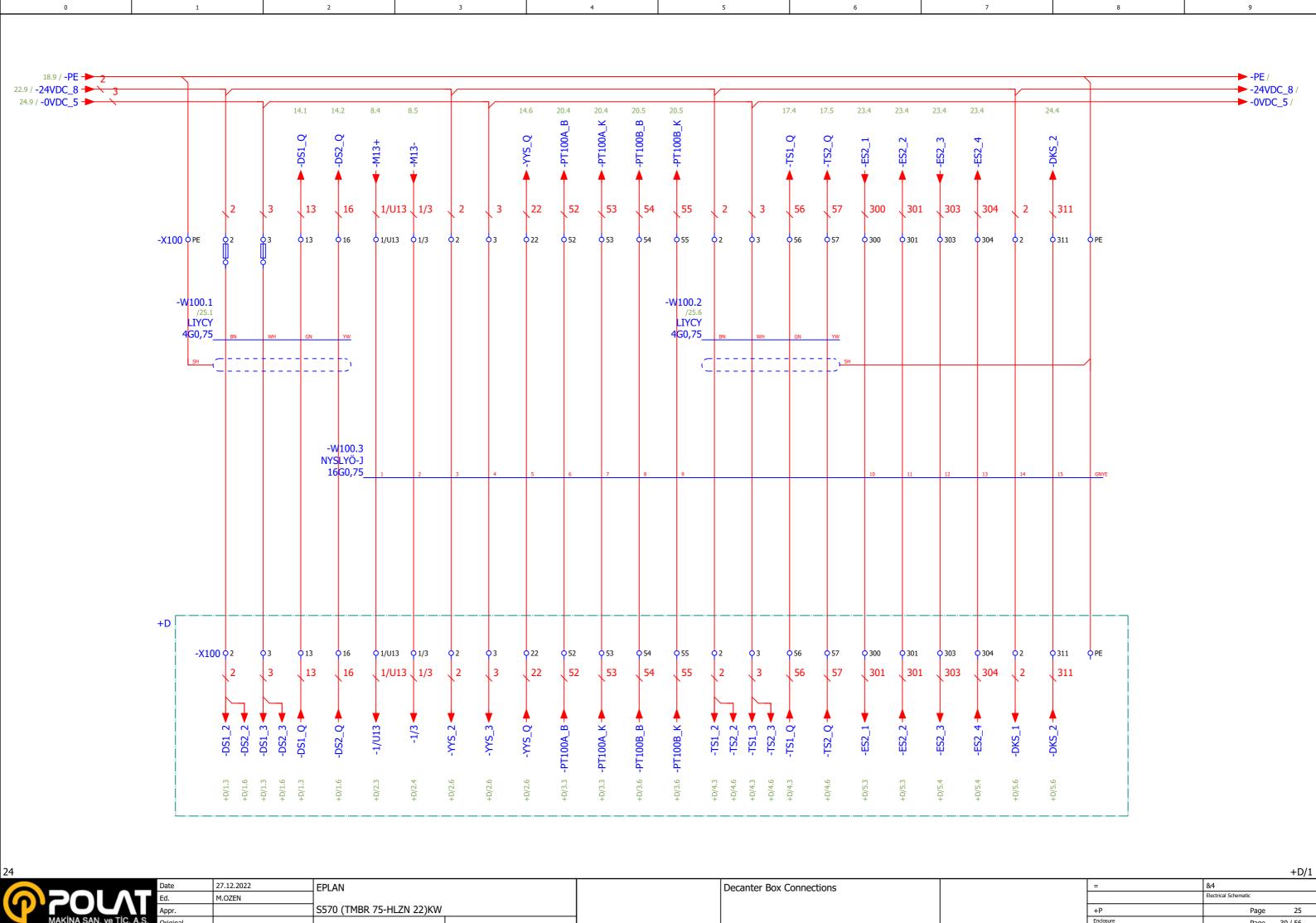






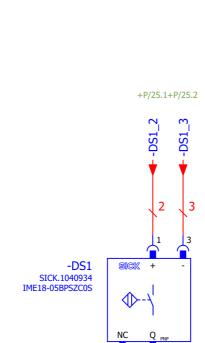
S570 (TMBR 75-HLZN 22)KW

| Electrical Schematic | +P | Page | 24 | | Enclosure | Page | 29 / 56 |

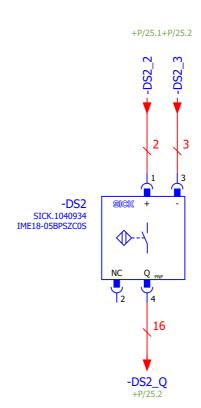


Page

30 / 56

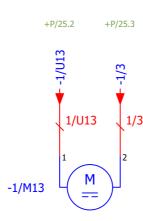


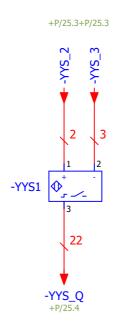
-DS1_Q +P/25.2



27.12.2022 M.OZEN EPLAN S570 (TMBR 75-HLZN 22)KW

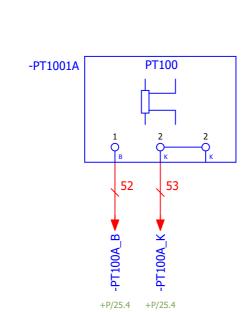
&4 Electrical Schematic Speed Sensors +D Decanter Page 1 Page 31 / 56 0 1 2 3 4 5 6 7 8 9

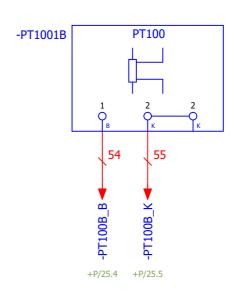




POLAT MAKÎNA SAN. VE TÎC. A.Ş.

_			
Date	27.12.2022	EPLAN	
Ed.	M.OZEN		
Appr.		S570 (TMBR 75-HLZN 22)KW	
Original			





POLATION NAKINA SAN. VE TIC. A

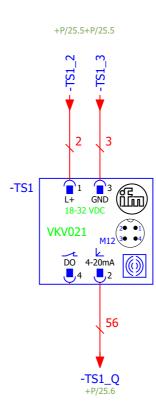
 Date
 27.12.2022
 EPLAN

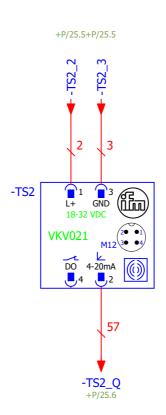
 Ed.
 M.OZEN

 Appr.
 S570 (TMBR 75-HLZN 22)KW

 Original
 Original







Vibration Sensors

Date 27.12.2022 EPLAN

Ed. M.OZEN

Appr. S570 (TMBR 75-HLZN 22)KW

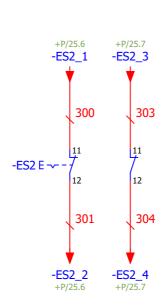
Original

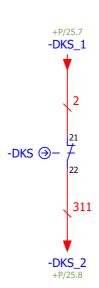
= 84

Electrical Schematic

+D Page 4

Decanter Page 34 / 56





	Date	27.12.2022	EPLAN	
	Ed.	M.OZEN		
	Appr.		S570 (TMBR 75-HLZN 22)KW	
AKİNA SAN. ve TİC. A.Ş.	Original			

Emergency Stop & Cover Switch +D Decanter =1+&5/1

Page 5
Page 35 / 56

&4 Electrical Schematic

Terminal-connection diagram

Strip name																
+P-F9	Function text															
PLC-Designation Device connection point																
Jumpers																
Terminal number		1														

-X10:1 -CPU

PCOLVI

te 27.12.2022 EPLAN

. M.OZEN

S570 (TMBR 75-HLZN 22)KW

Terminal-connection diagram +P-F9

 =1
 &5

 Terminal-connection diagram
 Reports

 +
 Page 1

Polat_v01

Terminal-connection diagram

	O 1.	4.5	 •••														olat_voi
Strip name																	
+P-F10	Function text																
PLC-Designation Device connection point																	
Jumpers																	
Terminal number																	

-X80:1 -HMI | 1

| Date | 27.12.2022 | EPLAN | | Ed. | M.OZEN | Appr. | S570 (TMBR 75-HLZN 22)KW | S570 (TMBR 75-HLZN 22)KW | Terminal-connection diagram +P-F10 | End | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan | Eplan

Strip name		Supply													
+P-F14	Function text	Decanter Feed Pump How Meter Power													
PLC-Designation Device connection point															
Jumpers															
Terminal number		ģ ₁													

180:1 -X102 0 180

POLA MAKINA SAN, VE TIC. 27.12.2022 EPLAN
M.OZEN S570 (TMBR 75-HLZN 22)KW

Terminal-connection diagram +P-F14

=1 &5
Terminal-connection diagram Reports
+ Page

Polat_v01

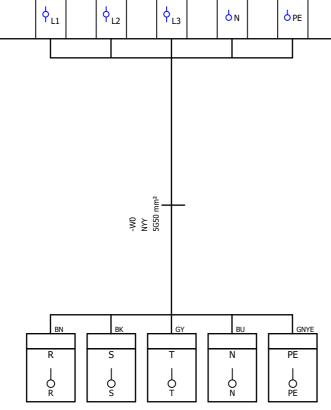
Strip name	ver Supply											
+P-F15	Function text Decanter Polymer Pump FlowMeter Pow											
PLC-Designation Device connection point												
Jumpers												
Terminal number	þ ₁											

181:1 -X103

<mark>6</mark> 181

27.12.2022 EPLAN Terminal-connection diagram +P-F15 M.OZEN S570 (TMBR 75-HLZN 22)KW Page Page

		<u> </u>																	
Strip name																			
+P-X0	Function text	Panel Power Supply	Panel Power Supply	Panel Power Supply	Panel Power Supply	Panel Power Supply													
PLC-Designation Device connection point																			
Jumpers																			



POLAT MAKINA SAN. VE TIC. A.Ş

Terminal number

 Date
 27.12.2022
 EPLAN

 Ed.
 M.OZEN
 S570 (TMBR 75-HLZN 22)KW

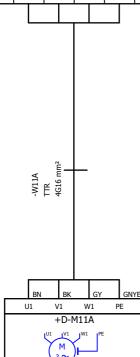
 Original
 Original

Terminal-connection diagram +P-X0 =1
Terminal-conne
+

Terminal-connection diagram

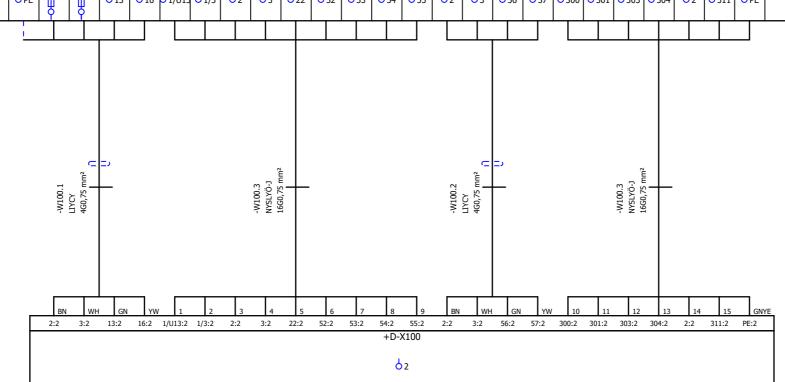
Pola	ıt_	_v0)1
			7

Strip name																							
+P-X11A	Function text	Decanter Screw Motor	Decanter Screw Motor	Decanter Screw Motor	Decanter Screw Motor																		
PLC-Designation Device connection point																							
Jumpers		•	•	•	•																		
Terminal number		<mark></mark> Ս11A	<mark>о</mark> V11A	5 W11A	o PE																		



| Date | 27.12.2022 | EPLAN | | Ed. | M.OZEN | | Appr. | S570 (TMBR 75-HLZN 22)KW | Original | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conjugation | Conju

1																											 	 	 	 		 	
Strip name									Supply +	Supply -						+																	
+P-X100	Function text	GND	Decantor Speed Sensor Power Supply +	Decantor Speed Sensor Power Supply -	Decanter Bowl Speed Sensor	Decanter Scroll Speed Sensor	Lubrication Pump Power Supply +	Lubrication Pump Power Supply -	Lubrication Pump Flow Sensor Power Su	Lubrication Pump Flow Sensor Power Su	Lubrication Pump Flow Sensor	Decanter Liquid Side Temperature	Decanter Liquid Side Temperature	Decanter Solid Side Temperature	Decanter Solid Side Temperature	Decanter Vibration Sensor Power Supply	Decanter Vibration Sensor Power Supply	Decanter Liquid Side Vibration Sensor	Decanter Solid Side Vibration Sensor	Emergency Stop	Emergency Stop	Emergency Stop	Emergency Stop	Cover Switch	Cover Switch	GND							
PLC-Designation Device connection point					1124.0	1124.2					1125.1							PIW764	PIW766														
Jumpers			•	•-	•	•			•	•	•	•	•	•		•	•		•	•	•	•	•	•	•								
Terminal number		o PE	0 2 □ 2	3	613	6 16	5 1/U13	d 1/3	6 2	6 3	622	6 52	6 53	6 54	6 55	62	6 3	♦ 56	6 57	∆ 300	♂ 301	√ 303	₼ 304	d ₂	6 311	o В РЕ							



27.12.2022

EPLAN

S570 (TMBR 75-HLZN 22)KW

Terminal-connection diagram +P-X100

+P-X101

Strip name

PLC-Designation Device connection point

Terminal number

Jumpers

				Pola	t_v01	

	<u>ს</u> 1	/51	٥.	1/0	9	PE	P	51	q	0	P	PE	
						GNY	/F					GNY	F
		1	- 2	2	Р	E	- 3	3		4	Р	E	Ì
						-U	PS						
							5						
ı						1	1						

UPS Power Supply

UPS Power Supply

UPS Power Supply

27.12.2022 Terminal-connection diagram +P-X101 M.OZEN S570 (TMBR 75-HLZN 22)KW Page Page 43 / 56

Terminal-connection diagram

Strip name		Supply	Supply	Supply																	
+P-X102	Function text	ed Pump Flow Meter Power	Decanter Feed Pump How Meter Power Su	Decanter Feed Pump How Meter Power Su	Decanter Feed Pump How Meter Signal	Decanter Feed Pump Flow Meter Signal	Decanter Feed Pump How Meter Signal														
PLC-Designation Device connection point						PIW780															
Jumpers		-	-			-															
Terminal number		od 180	60	o PE	66	67	o PE														

Ed.
Appr.
Original

27.12.2022

EPLAN
S570 (TMBR 75-HLZN 22)KW

Terminal-connection diagram +P-X102

Terminal-connection diagram

Strip name		er Supply	er Supply	er Supply	nal	nal	nal													
	inction text	Decanter Polymer Pump FlowMeter Pow	Decanter Polymer Pump FlowMeter Pow	Decanter Polymer Pump FlowMeter Pow	Decanter Polymer Pump Flow Meter Signal	Decanter Polymer Pump Flow Meter Signal	Decanter Polymer Pump Flow Meter Signal													
PLC-Designation Device connection point						PIW782														
Jumpers		-	-		•	•														
Terminal number	9	181	60	o PE	66	68 68 68	o PE													

| Date | 27.12.2022 | EPLAN | | Ed. | M.OZEN | Appr. | S570 (TMBR 75-HLZN 22)KW | Original | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuous properties | Continuou

Terminal-connection diagram

Polat_v01

Strip name																					
+P-X104	Function text	Cake Conveyor Run	Cake Conveyor Run	Cake Conveyor Thermic Fault	Cake Conveyor Thermic Fault	Cake Conveyor Run															
PLC-Designation Device connection point					1125.5																
Jumpers				-																	
Terminal number		694	695	6 2	ر ا	Å PE															

POLATIC, A

ate 27.12.2022 EPLAN
d. M.OZEN

ppr. S570 (TMBR 75-HLZN 22)KW

riginal

Terminal-connection diagram +P-X104

=1 &5
Terminal-connection diagram Reports
+ Page

l erminal-connection diagram												_v01												
Strip name																								
+P-X105	Function text	Decanter Feed Pump Run	Decanter Feed Pump Run	Decanter Feed Pump Inverter Fault	Decanter Feed Pump Inverter Fault	Decanter Feed Pump Speed Referance	Decanter Feed Pump Speed Referance	Decanter Feed Pump Speed Referance																
PLC-Designation Device connection point	•				1125.0		PQW756																	
Jumpers		-	-	•		•	•																	
Terminal number		690	691	d ₂	621	6 63	6 4	о PE																

27.12.2022 EPLAN Terminal-connection diagram +P-X105 S570 (TMBR 75-HLZN 22)KW

Terminal-connection diagram

Polat_v01

Strip name						е	g	g														
+P-X106	Function text	Decanter Polymer Pump Run	Decanter Polymer Pump Run	Decanter Polymer Pump Inverter Fault	Decanter Polymer Pump Inverter Fault	Decanter Polymer Pump Speed Referanc	Decanter Polymer Pump Speed Referance	Decanter Polymer Pump Speed Referance														
PLC-Designation Device connection point					1125.3		PQW758															
Jumpers			-		-	•	•															
Terminal number		ا ا	ا ا	<u>ل</u>	d 24	ტ ₆₃	<u>ბ</u> 65	o PE														

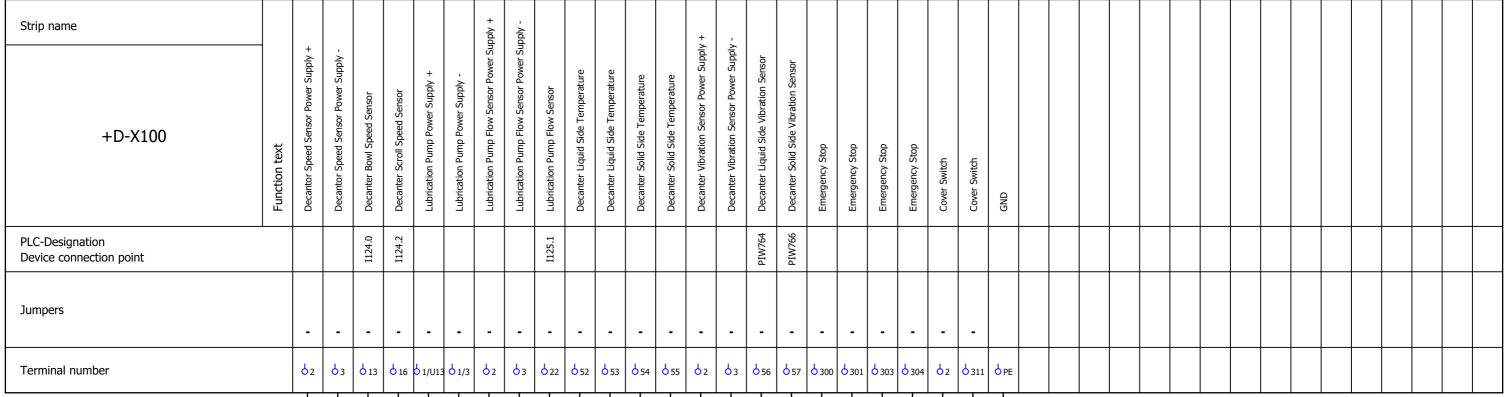
POLAT MAKINA SAN. VE TÍC. A.S Terminal-connection diagram +P-X106 = Terminal-connection diagram +P-X106 = Terminal-connection diagram +P-X106

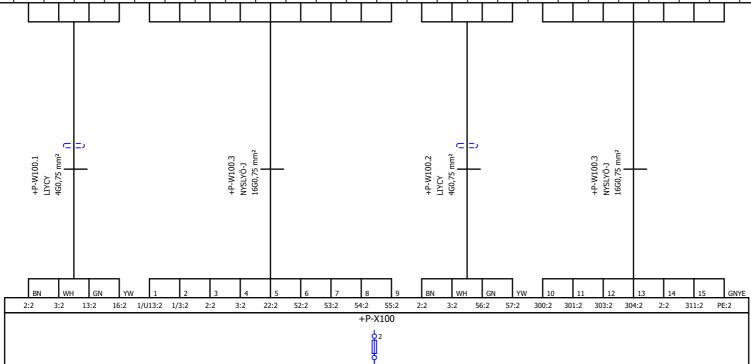
Terminal-connection diagram

Polat_v0	
----------	--

Strip name																				
+P-X107	nction text	Decanter Cleaning Valve	Decanter Cleaning Valve	Decanter Cleaning Valve																
PLC-Designation Device connection point																				
Jumpers		-																		
Terminal number	(o 44	\dagger 3	o РЕ																

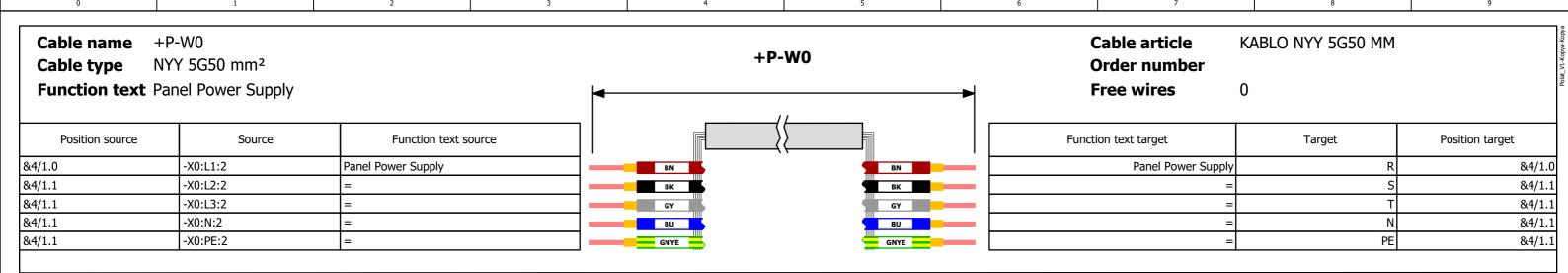
x1 x2 PE +D-DYV





| Date | 27.12.2022 | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN | EPLAN |

=2/1



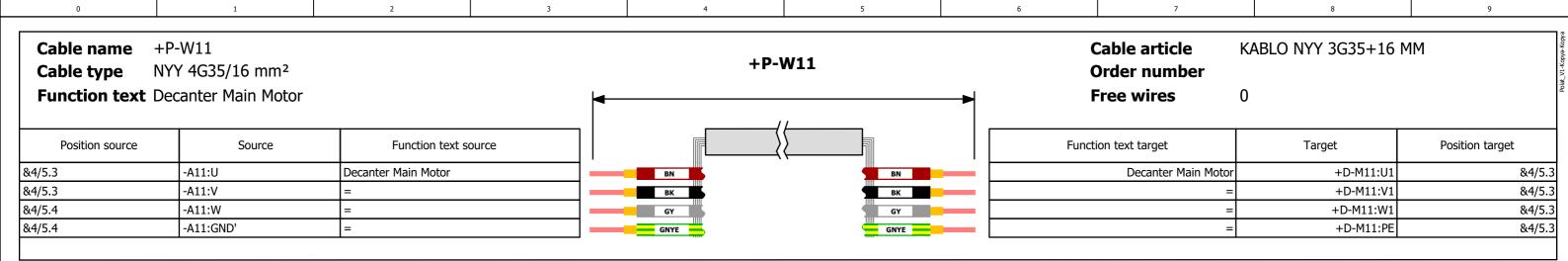
PZOLV

tate 27.12.2022 EPLAN
d. M.OZEN
Spr. S570 (TMBR 75-HLZN 22)KW

Cable diagram:W0 = 2
Cable connection diagram +

Page

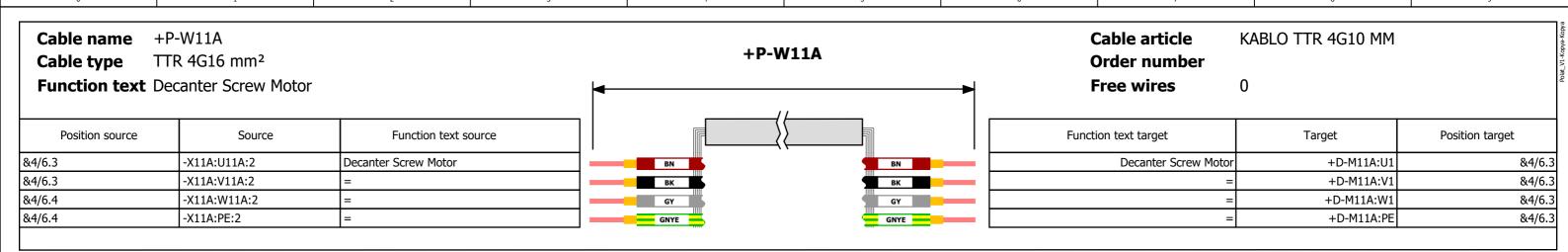
Page 51 / 56



	Date	27.12.2022	EPLAN	
	Ed.	M.OZEN		
FUC NI	Appr.		S570 (TMBR 75-HLZN 22)KW	
MAKİNA SAN. ve TİC. A.Ş.	Original			

Page

Page 52 / 56



POLAT MAKINA SAN. VE TIC. A.Ş Date 27.12.2022 EPLAN
dd. M.OZEN S570 (TMBR 75-HLZN 22)KW
Original

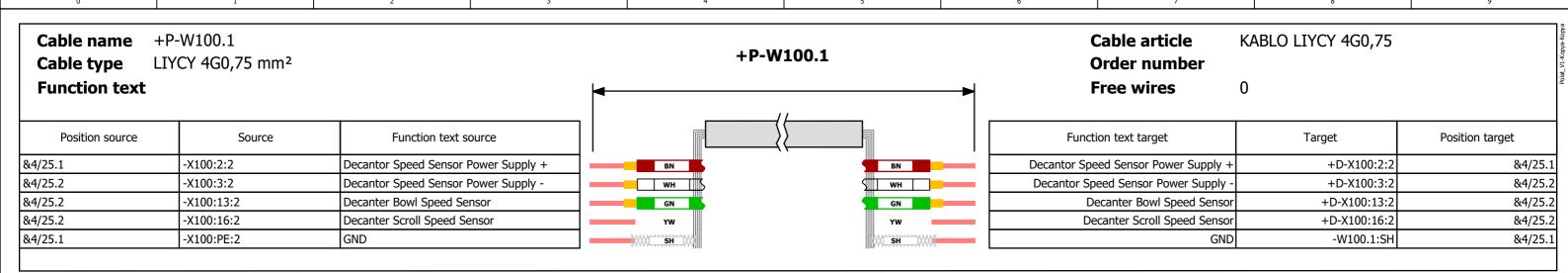
 Cable diagram:W11A
 =2
 &5

 Cable connection diagram
 Reports

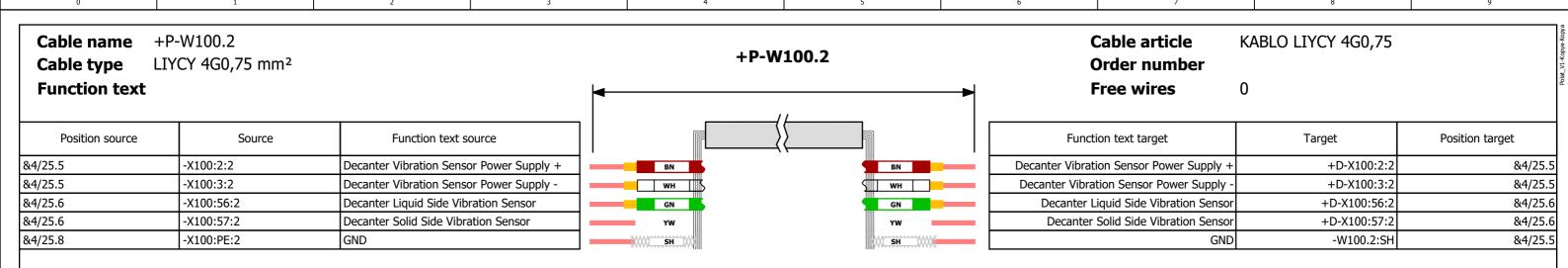
 +
 =

Page

Page 53 / 56



	Date	27.12.2022	EPLAN	
	Ed.	M.OZEN		
	Appr.		S570 (TMBR 75-HLZN 22)KW	
KİNA SAN. ve TİC. A.Ş.	Original			



POLA'
MAKINA SAN. VE TIC. A

Date 27.12.2022 EPLAN
Ed. M.OZEN

Appr. S570 (TMBR 75-HLZN 22)KW

Original

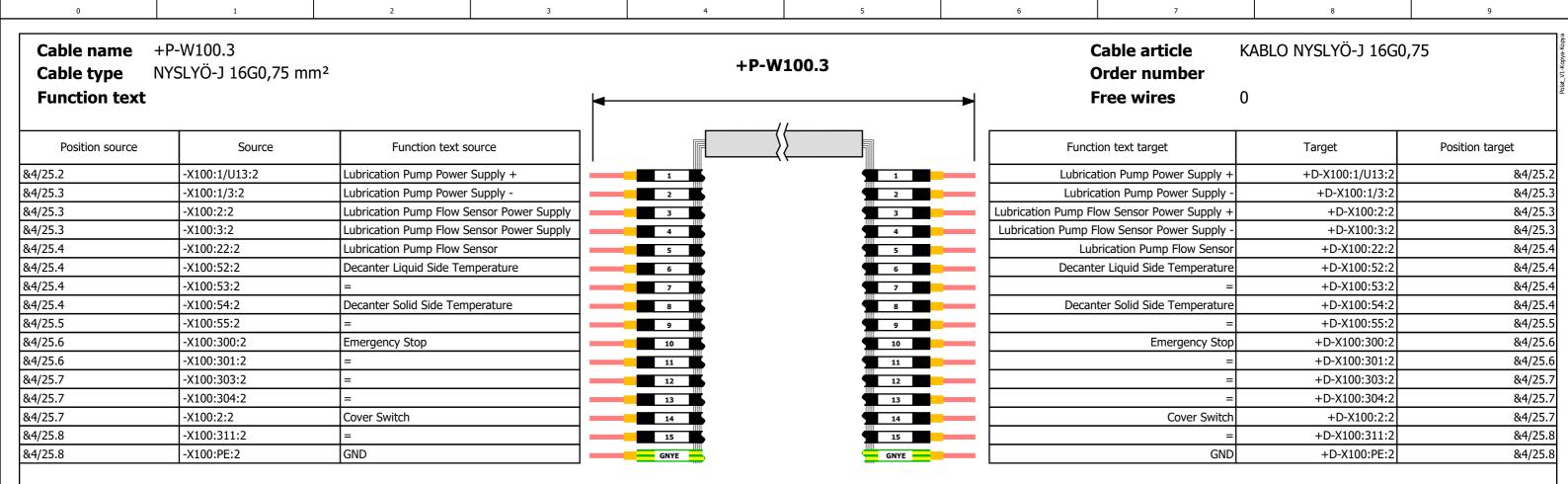
 Cable diagram:W100.2
 =2
 85

 Cable connection diagram
 Reports

 +
 =

Page

Page 55 / 56



@	POLAT	
	MAKİNA SAN. ve TİC. A.Ş.	

Date	27.12.2022	EPLAN	
Ed.	M.OZEN		
Appr.		S570 (TMBR 75-HLZN 22)KW	
Original			