

This drawing is the property of Festo Didactic SE
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Schaltungsunterlagen

Circuit diagrams

Produkt

Product

Produktname:
productname:

Messen
Measuring

Materialnummer Produkt:
Material number product:

8137077

Variante
variant

MPS 400

Stromversorgung:
Power supply unit:

230V AC / 50 Hz

Bemerkung:
remark:

Kunde:
Customer:

letzte Änderung:
last Modification:

2025-03-24

Druckdatum:
Print date:

2025-03-24

Dokumentation

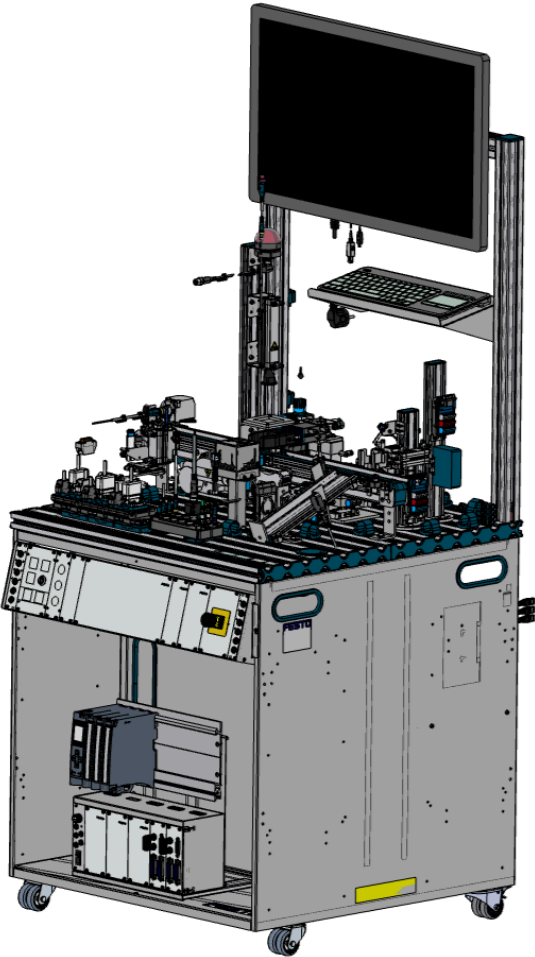
Documentation

Materialnummer Schaltplan:
Material Number Circuit Diagram:

8233333

Revision:
Revision:

-



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&EAB

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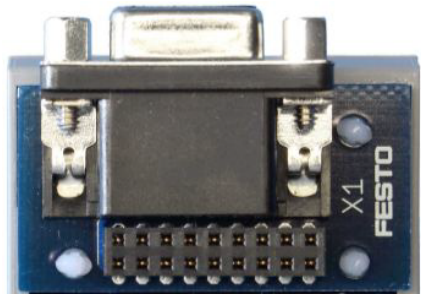
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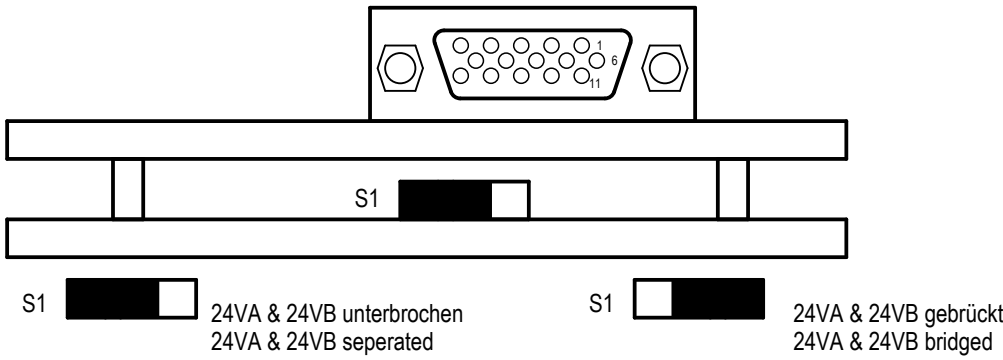
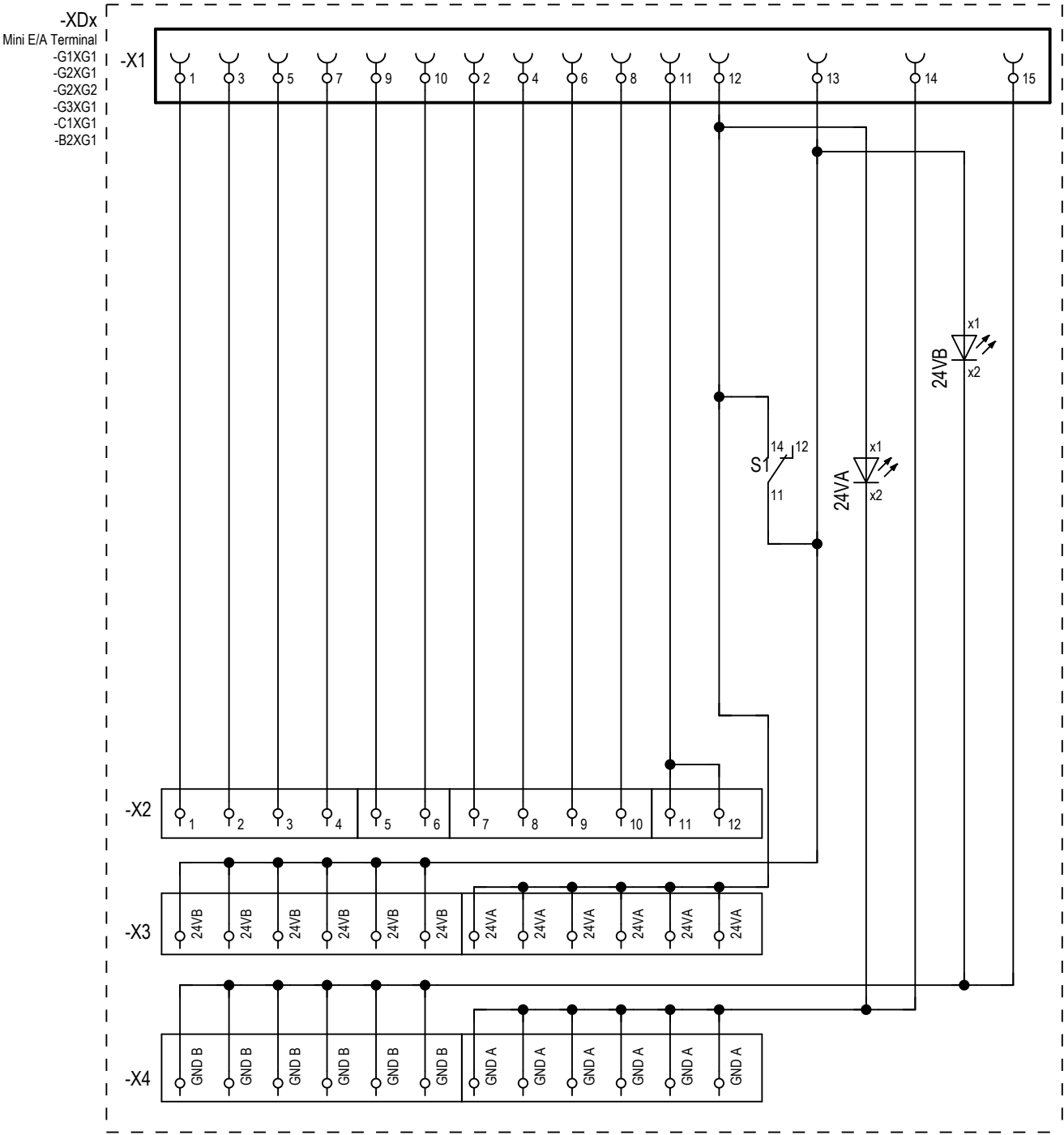
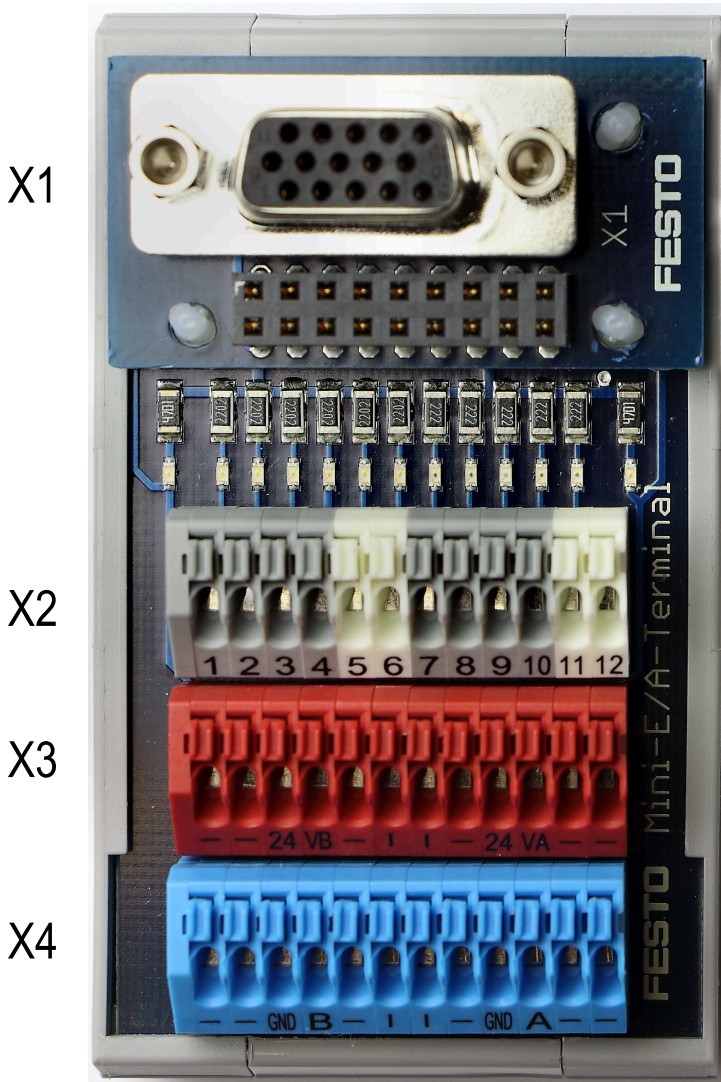
&EDB

Strukturkennzeichen
Structure identifier

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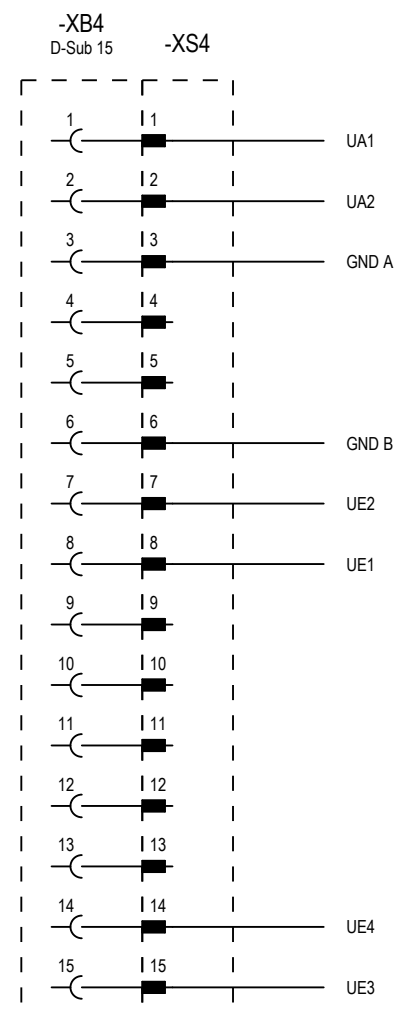
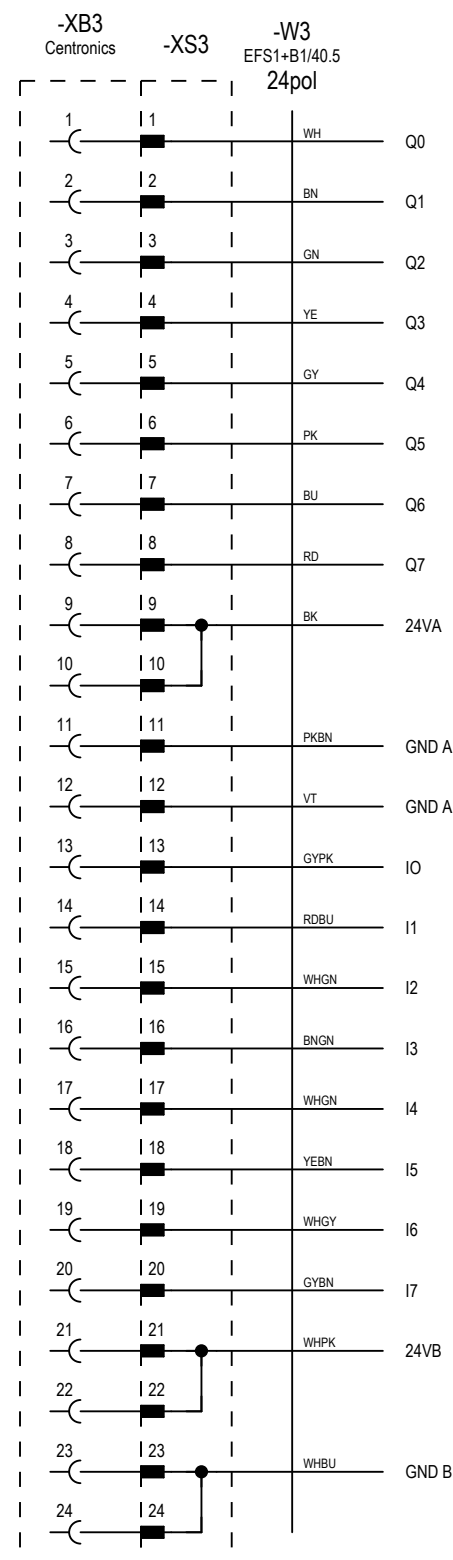
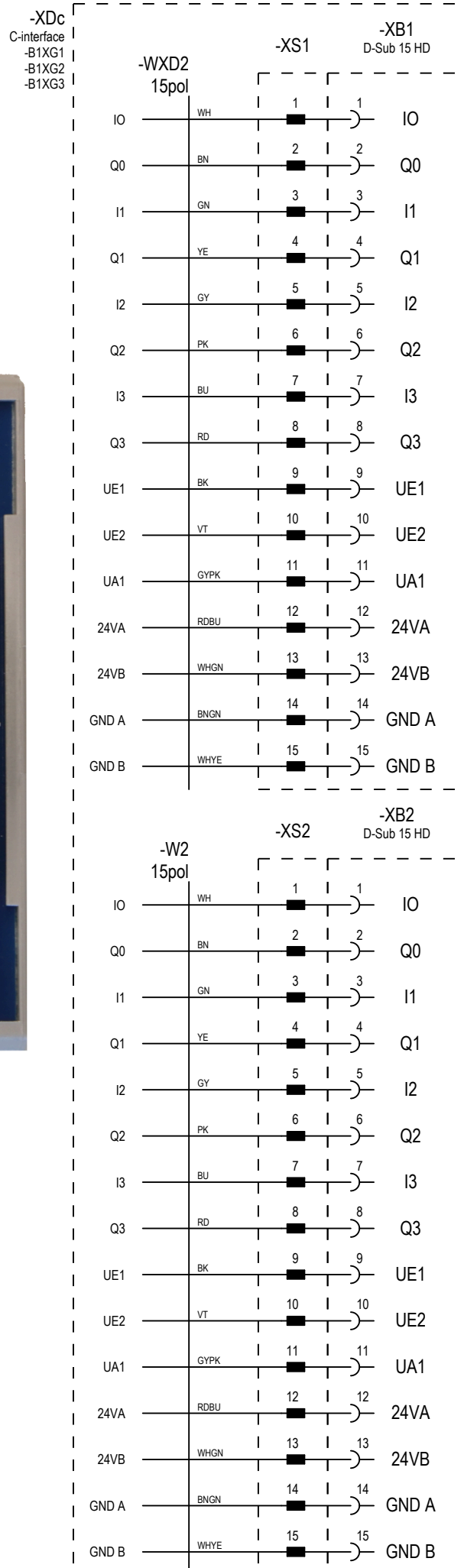
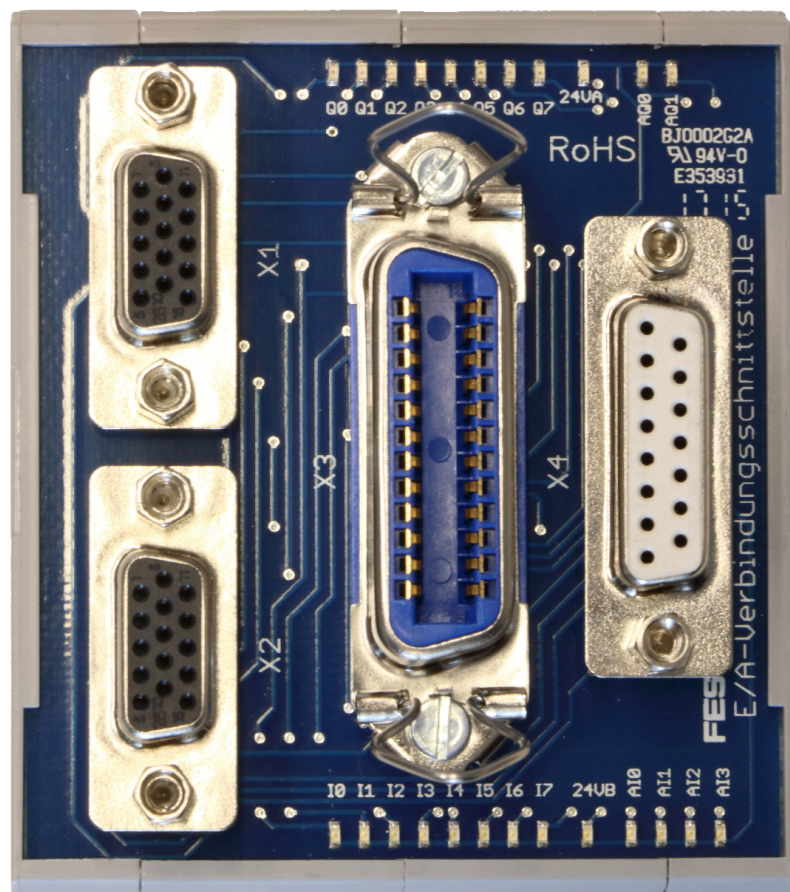


Alternativ Bauform
alternative configuration

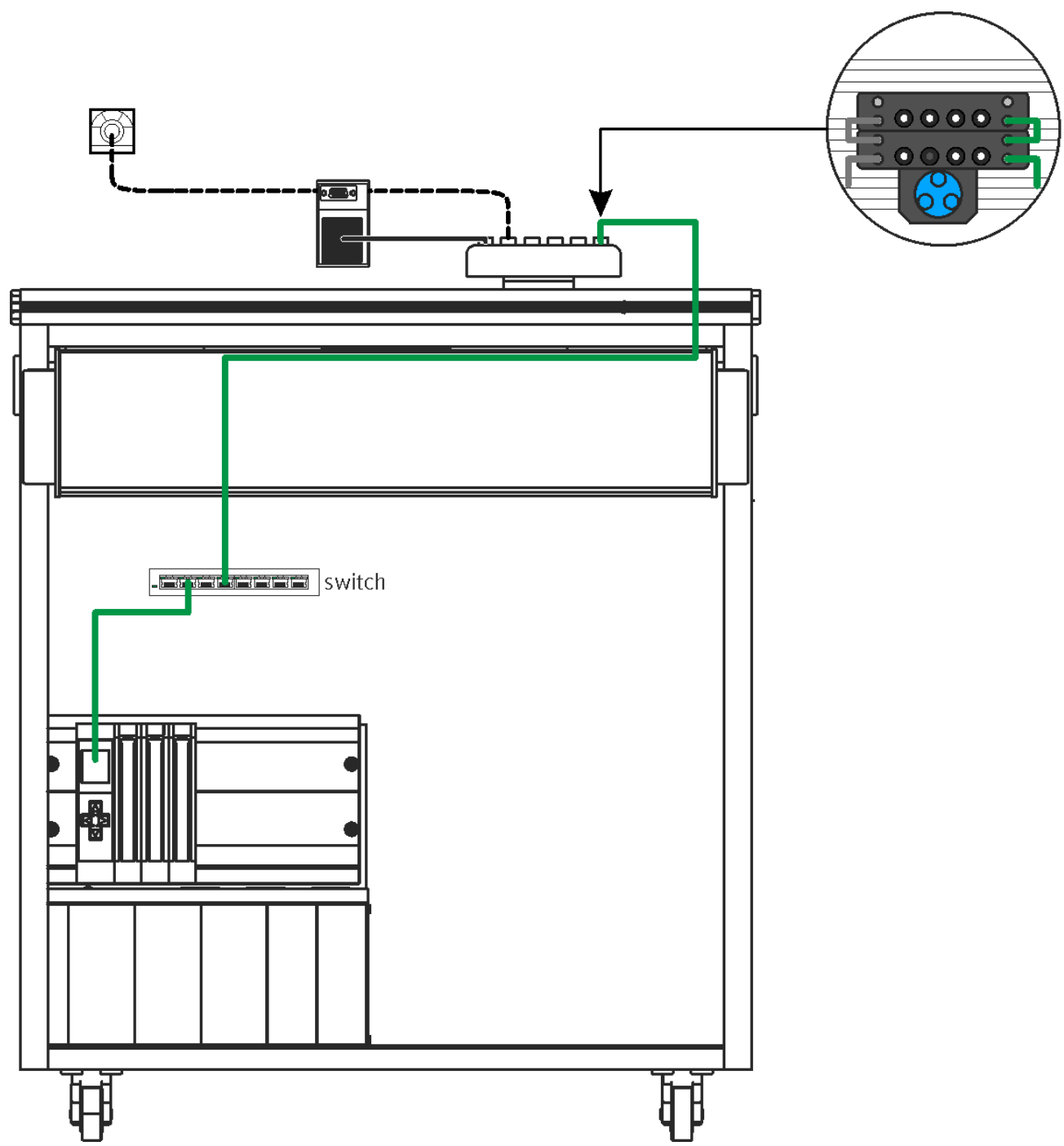


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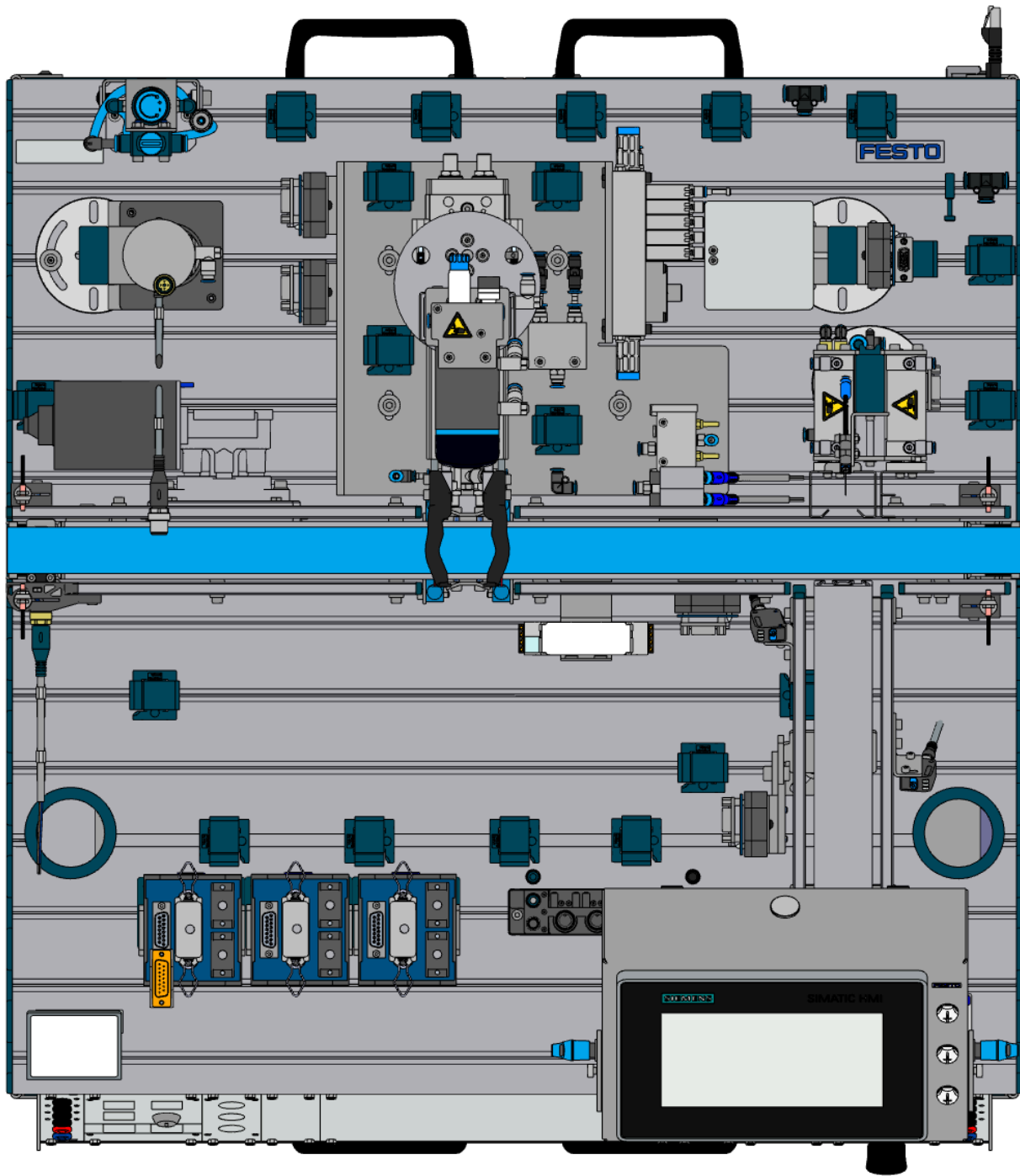
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Creat.	kshc											
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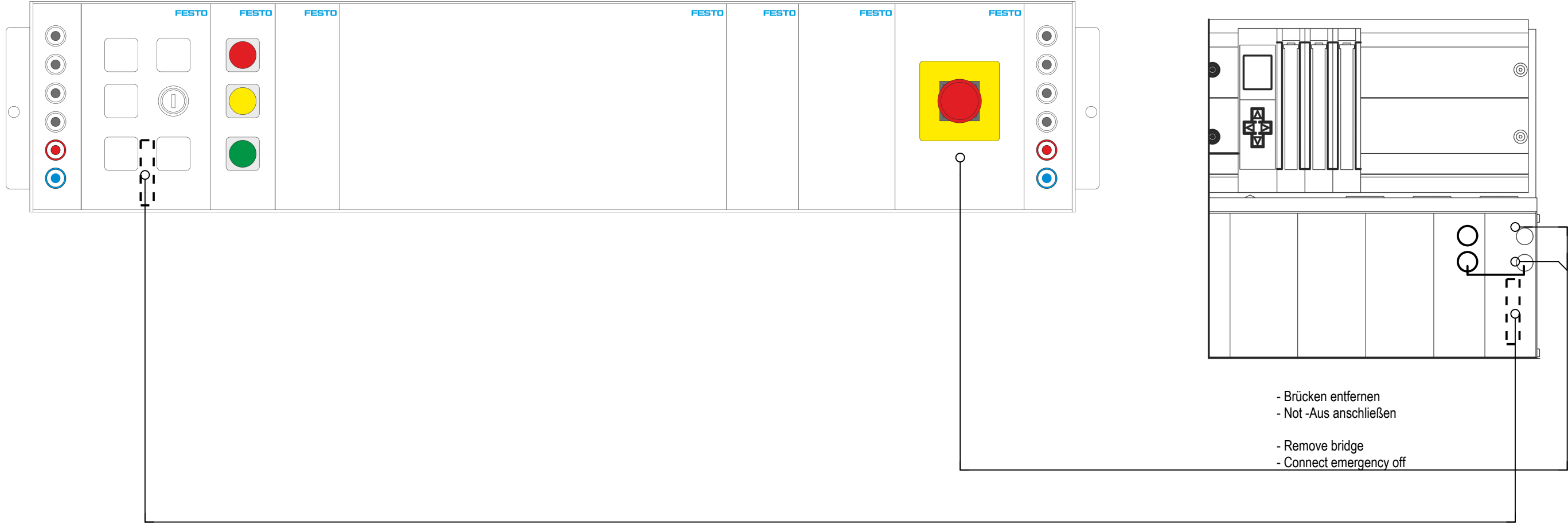
Aufbauplan assembly	

Part number 8137077	
PSP / DPJ	VN

= B1	Measuring
+	

&EMA/11>>

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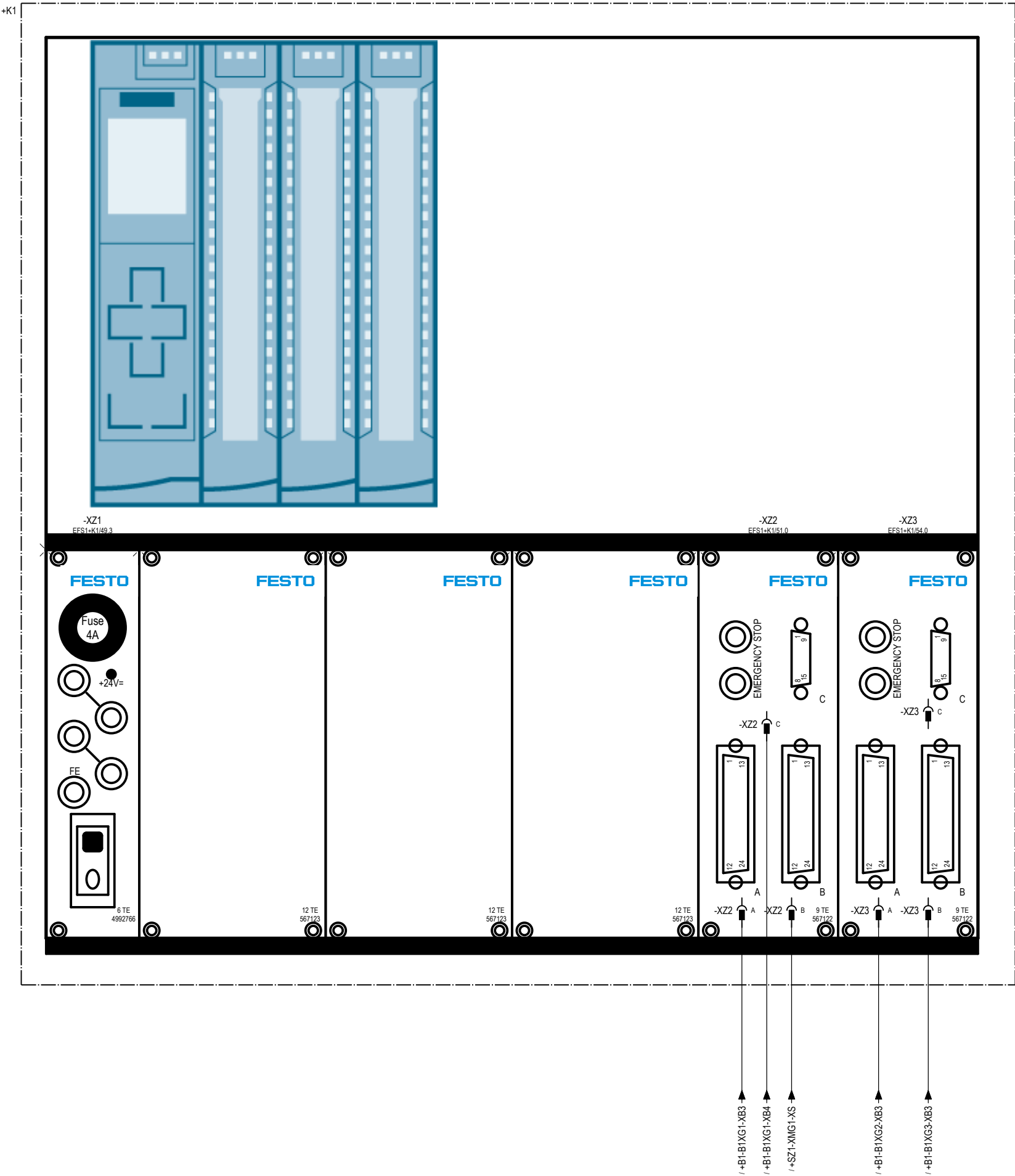


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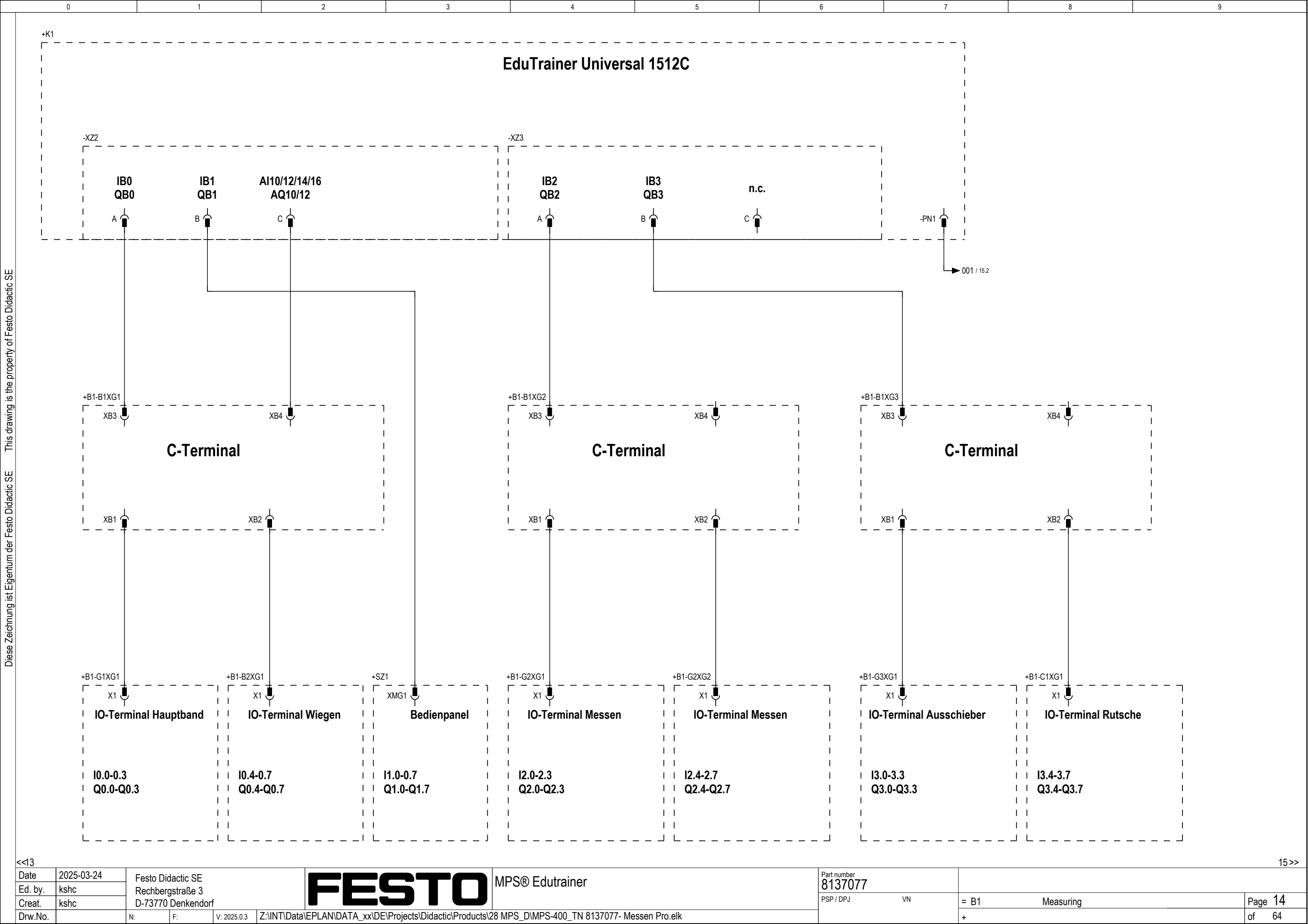


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Drw.No.												of 64	

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Creat.	kshc
Drw.No.	

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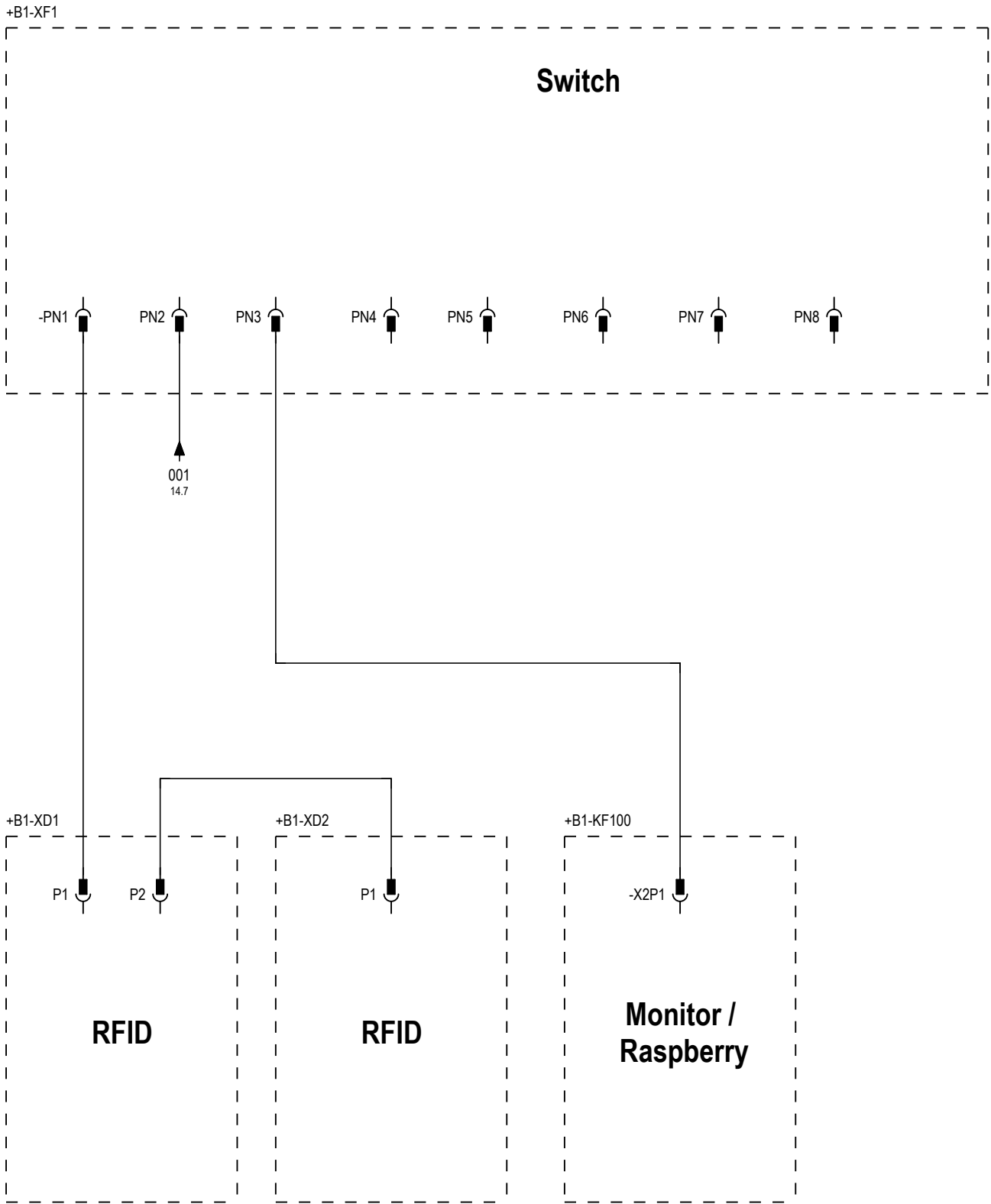
FESTO

MPS® Edutrainer

Part number	8137077
PSP / DPJ	VN
= B1 Measuring	
+	

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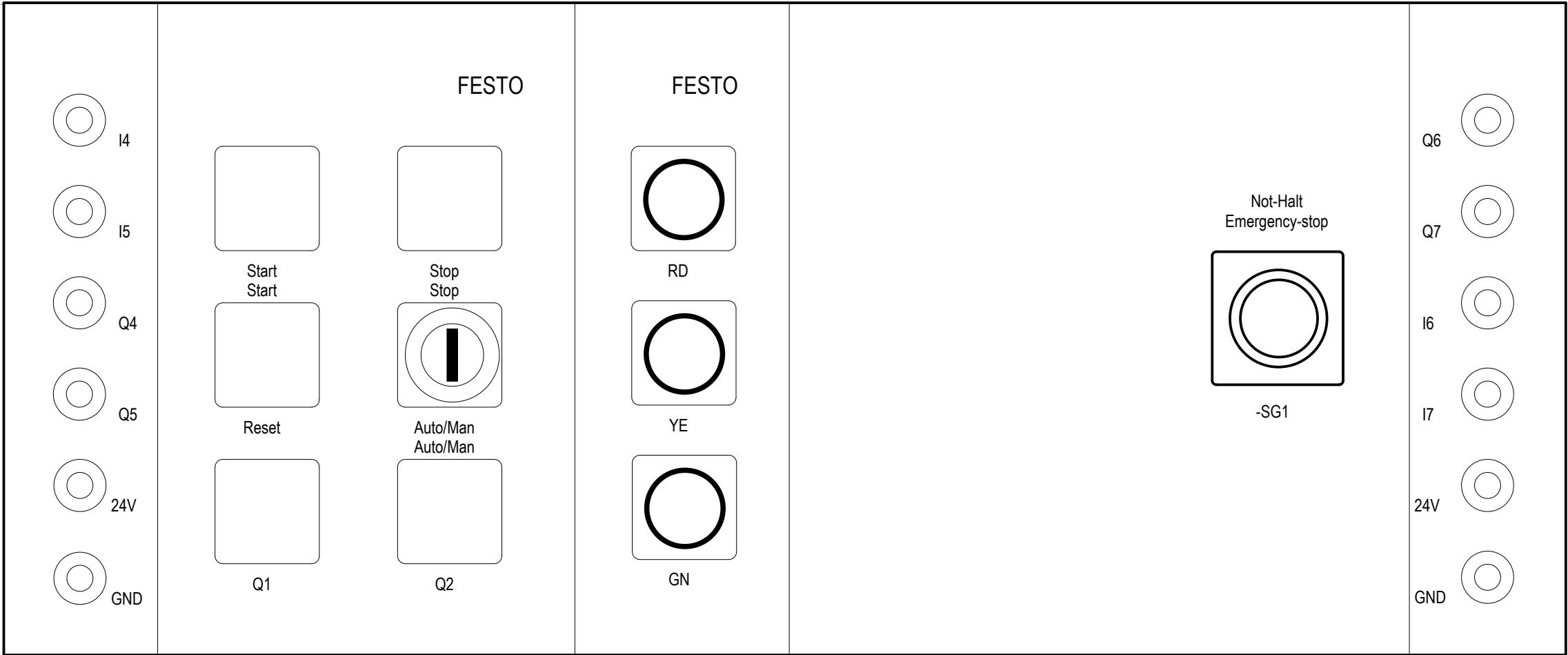


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+SZ1

Bedienpult
Control desk

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links

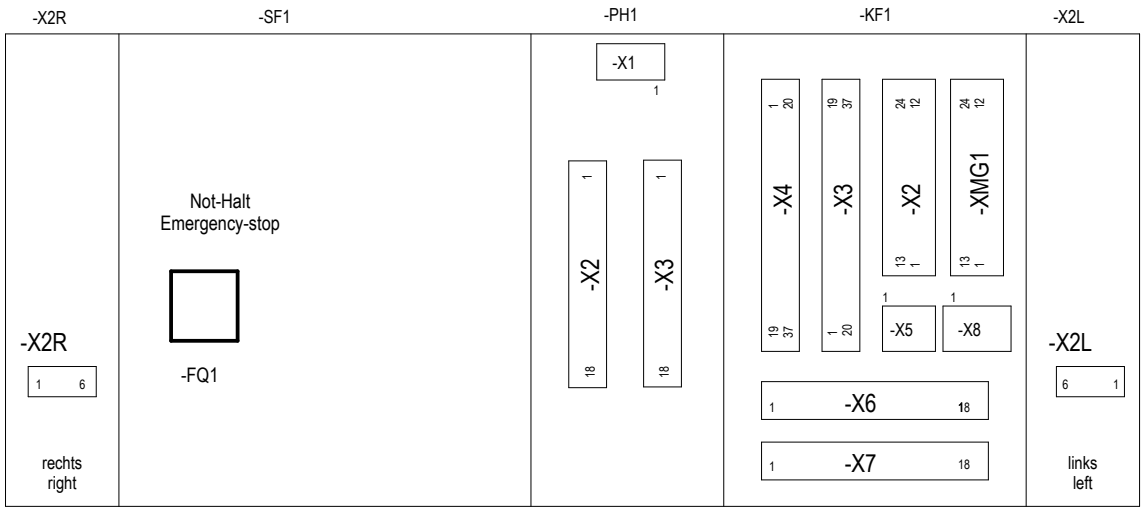
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Vorderseite

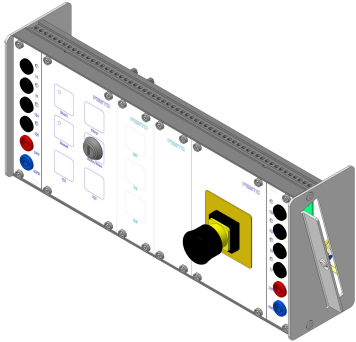
front view

rechts

right



RÜCKSEITE
rear view



-XMG1=Syslink-Stecker Bedienpult
-XMG1=Syslink Plug control cabinet

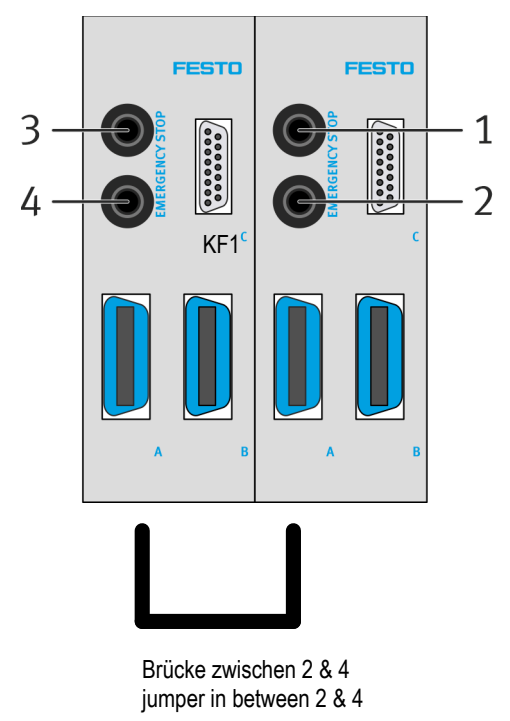
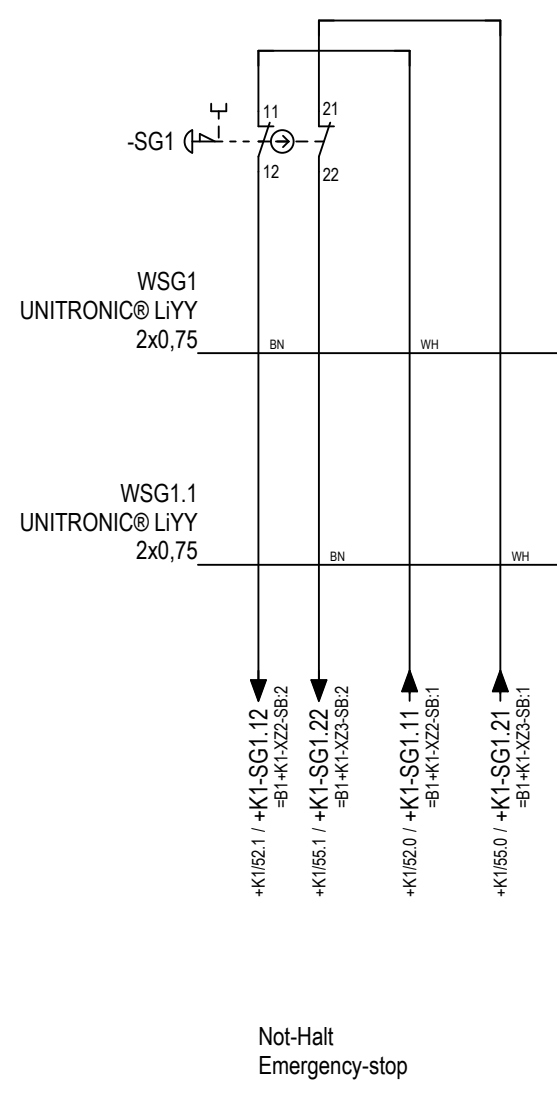
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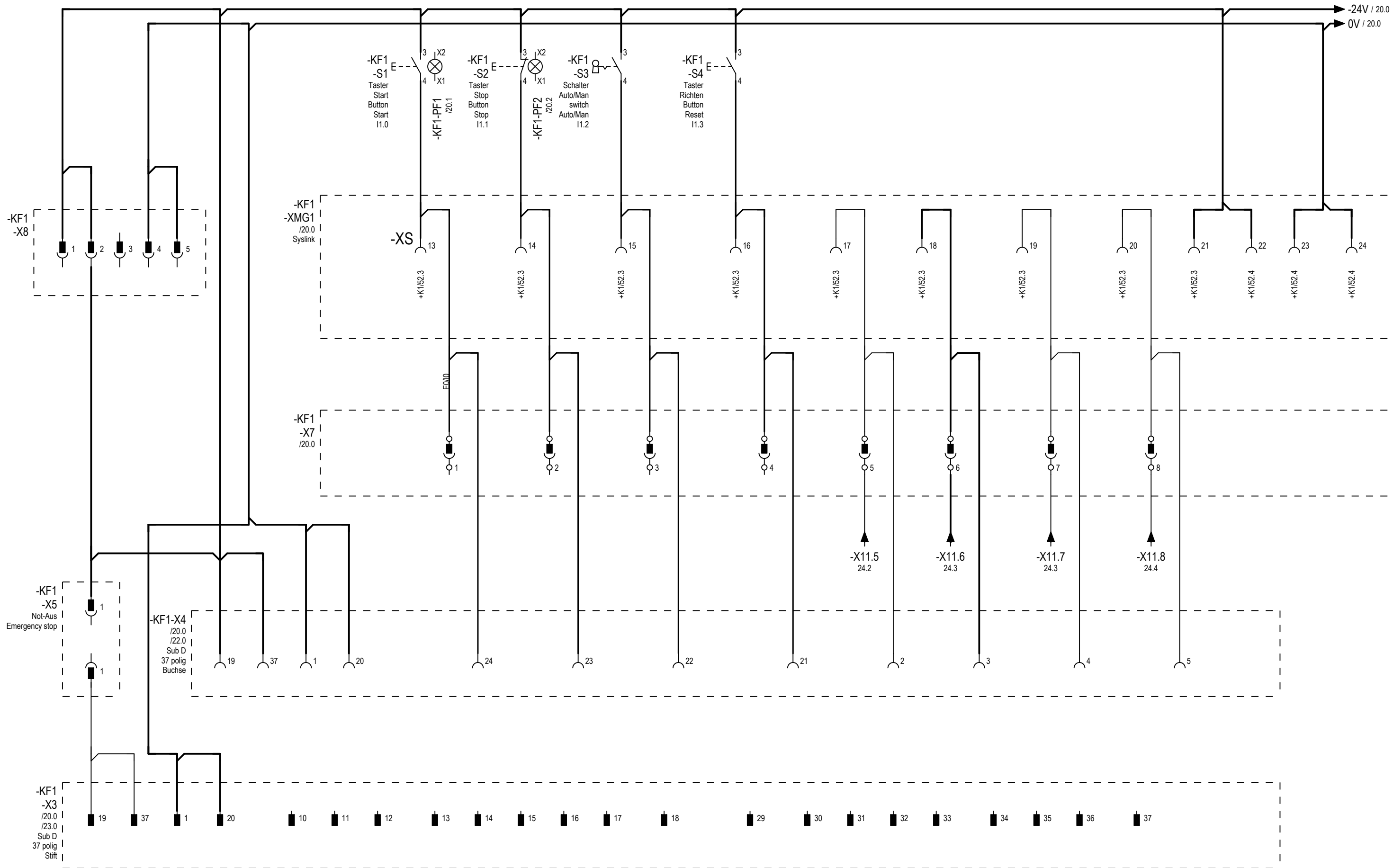
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Ed. by.	kshc							PSP / DPJ VN		= B1	Measuring
Creat.	kshc							+ SZ1	Control desk	of 64	
Drw.No.		N:	F:	V: 2025.0.3	Z:\INT\Data\EPLAN\DATA_xx\DE\Projects\Didactic\Products\28 MPS_DIMPS-400_TN 8137077- Messen Pro.elk						

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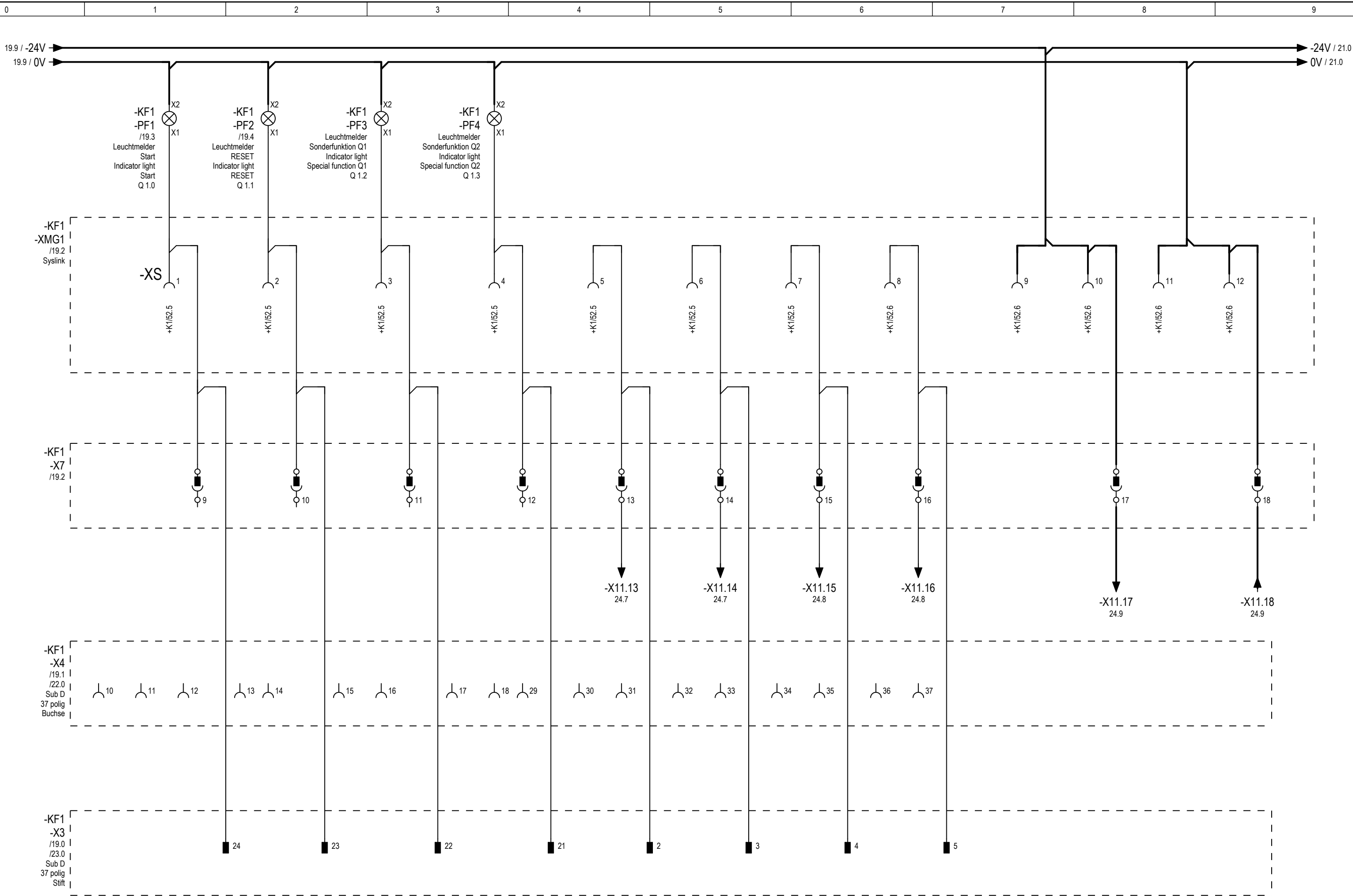


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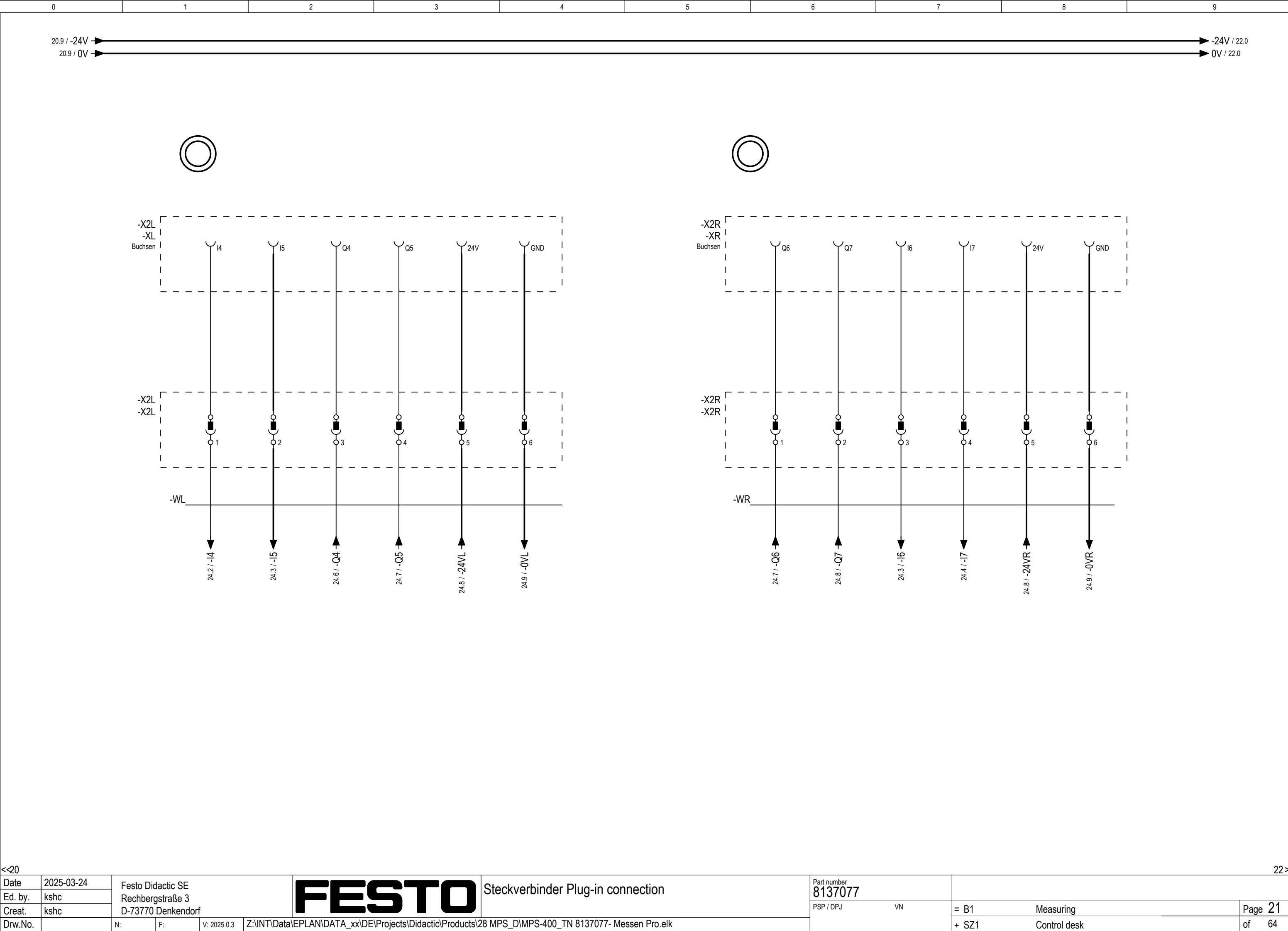
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Creat.	kshc	N:	F:	V: 2025.0.3	Z:\INT\Data\EPLAN\DATA_xl\DE\Projects\Didactic\Products\28 MPS_DIMPS-400_TN 8137077- Messen Pro.elk				+ SZ1	Control desk	of 64
Drw.No.											

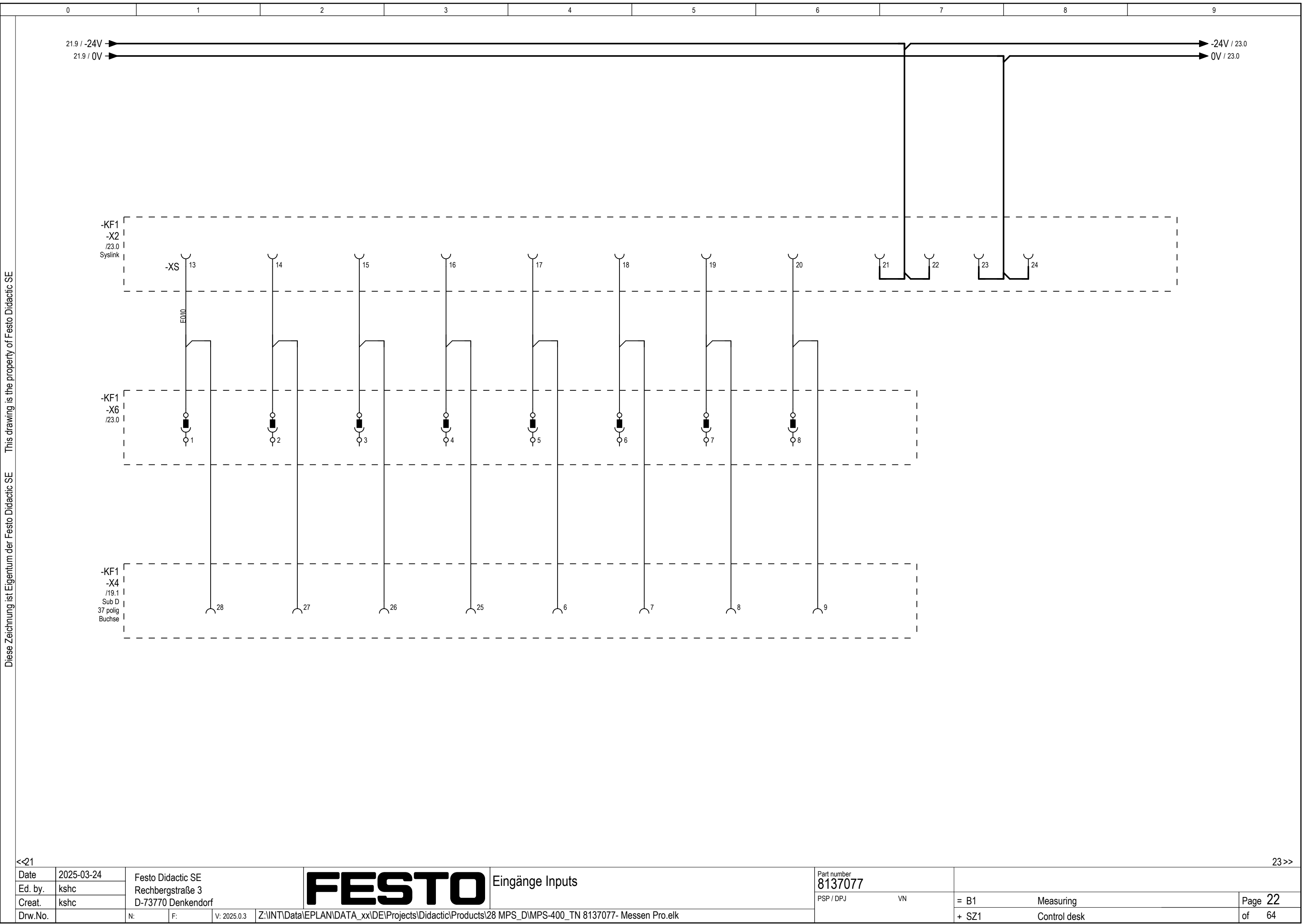
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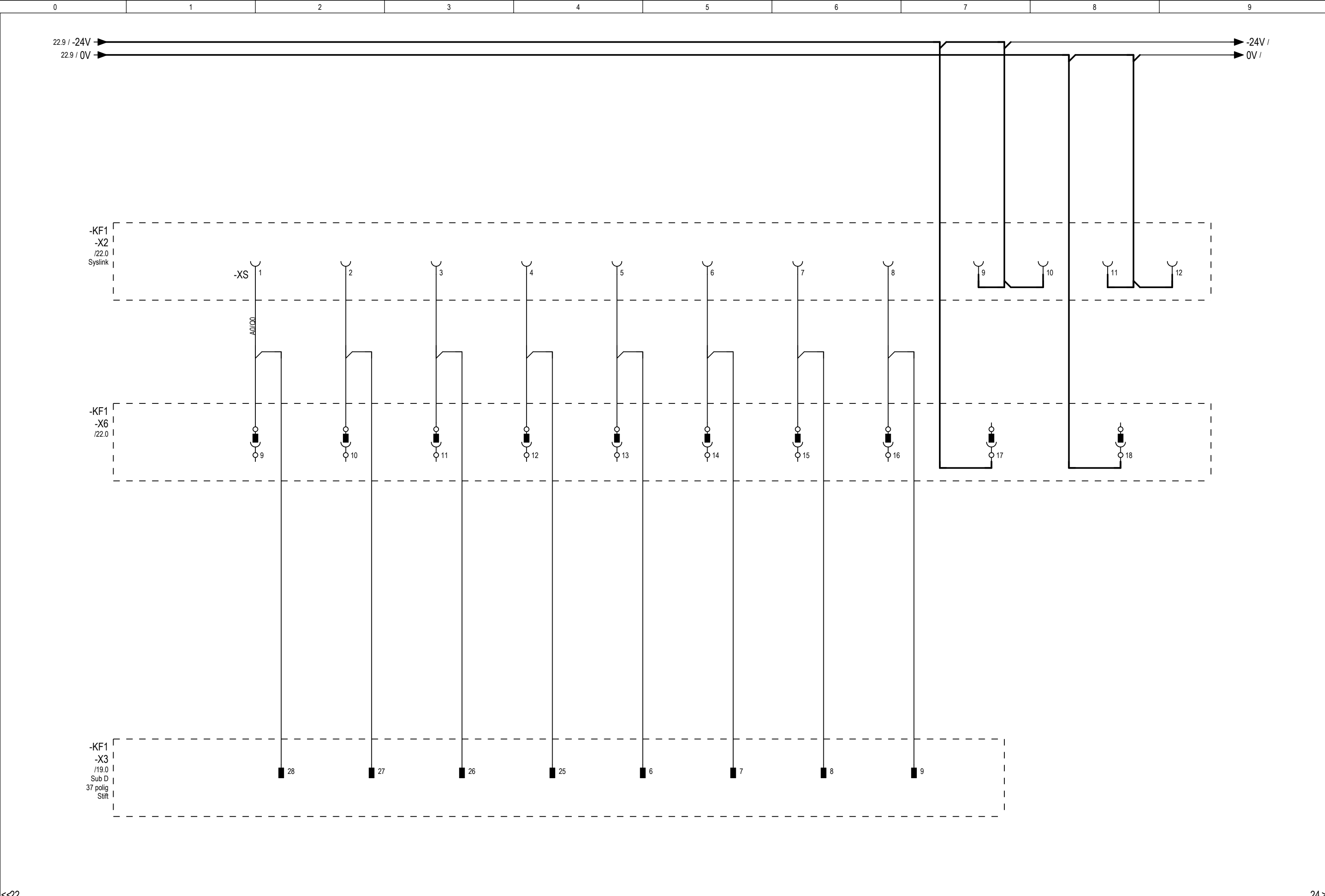
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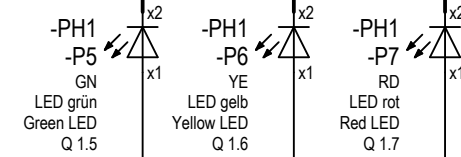


This drawing is the property of Festo Didactic SE



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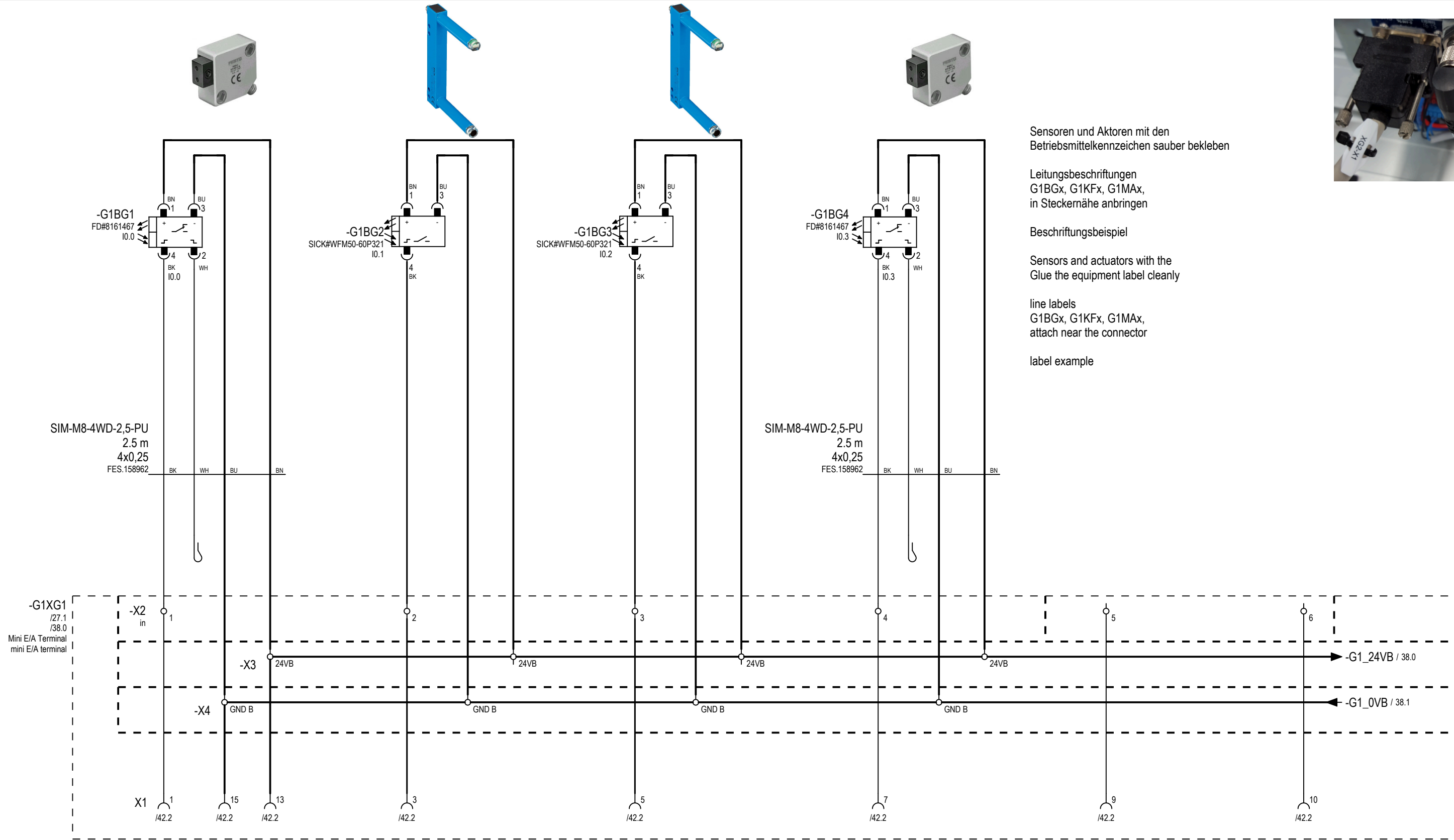


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+B1

Messen
Measuring

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Sensoren und Aktoren mit den Betriebsmittelkennzeichen sauber bekleben

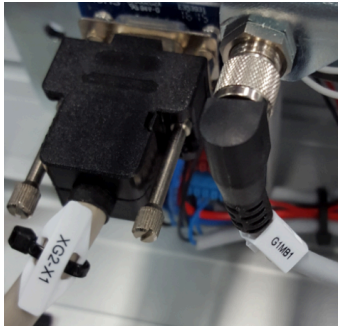
Leitungsbeschriftungen G1BGx, G1KFx, G1MAx, in Steckernähe anbringen

Beschriftungsbeispiel

Sensors and actuators with the Glue the equipment label cleanly

line labels G1BGx, G1KFx, G1MAx, attach near the connector

label example



Werkstück bei Bandanfang
workpiece at conveyor start

Werkstück bei Band-
zwischenposition 1
workpiece at conveyor
intermediate position 1

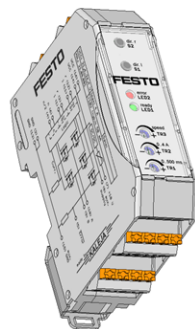
Werkstück bei Band-
zwischenposition 2
workpiece at conveyor
intermediate position 2

Werkstück nicht bei Bandende
workpiece not at conveyor end

<<25

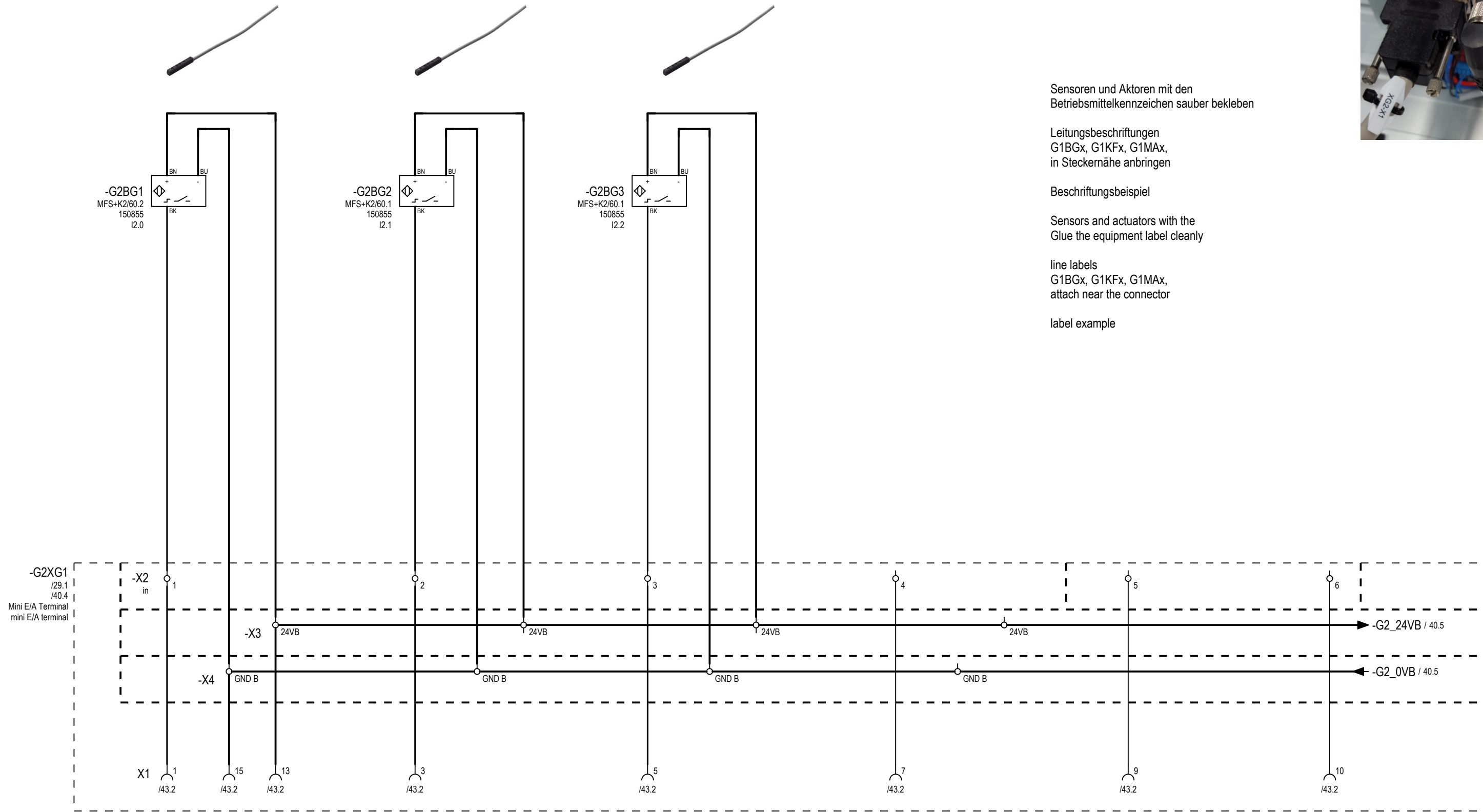
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Conveyor motor
1=backward
2=forward
4=creep speed

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Sensoren und Aktoren mit den Betriebsmittellkennzeichen sauber bekleben

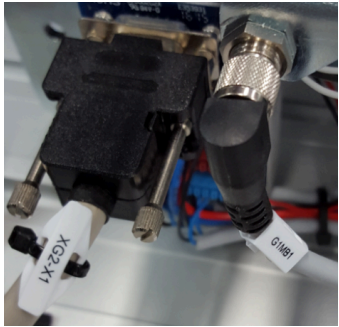
Leitungsbeschriftungen
G1BGx, G1KFx, G1MAx,
in Steckernähe anbringen

Beschriftungsbeispiel

Sensors and actuators with the
Glue the equipment label cleanly

line labels
G1BGx, G1KFx, G1MAx,
attach near the connector

label example



Drehzylinder
in Position
Messtisch

swivel drive
in position
measuring table

Drehzylinder
in Position
Waage

swivel drive
in position
scale

Drehzylinder
in Position
Band

swivel drive
in position
conveyor



$-X2$
out

-X3 24VA

24VA

24VA

24VA

-X4 GND A

GND A

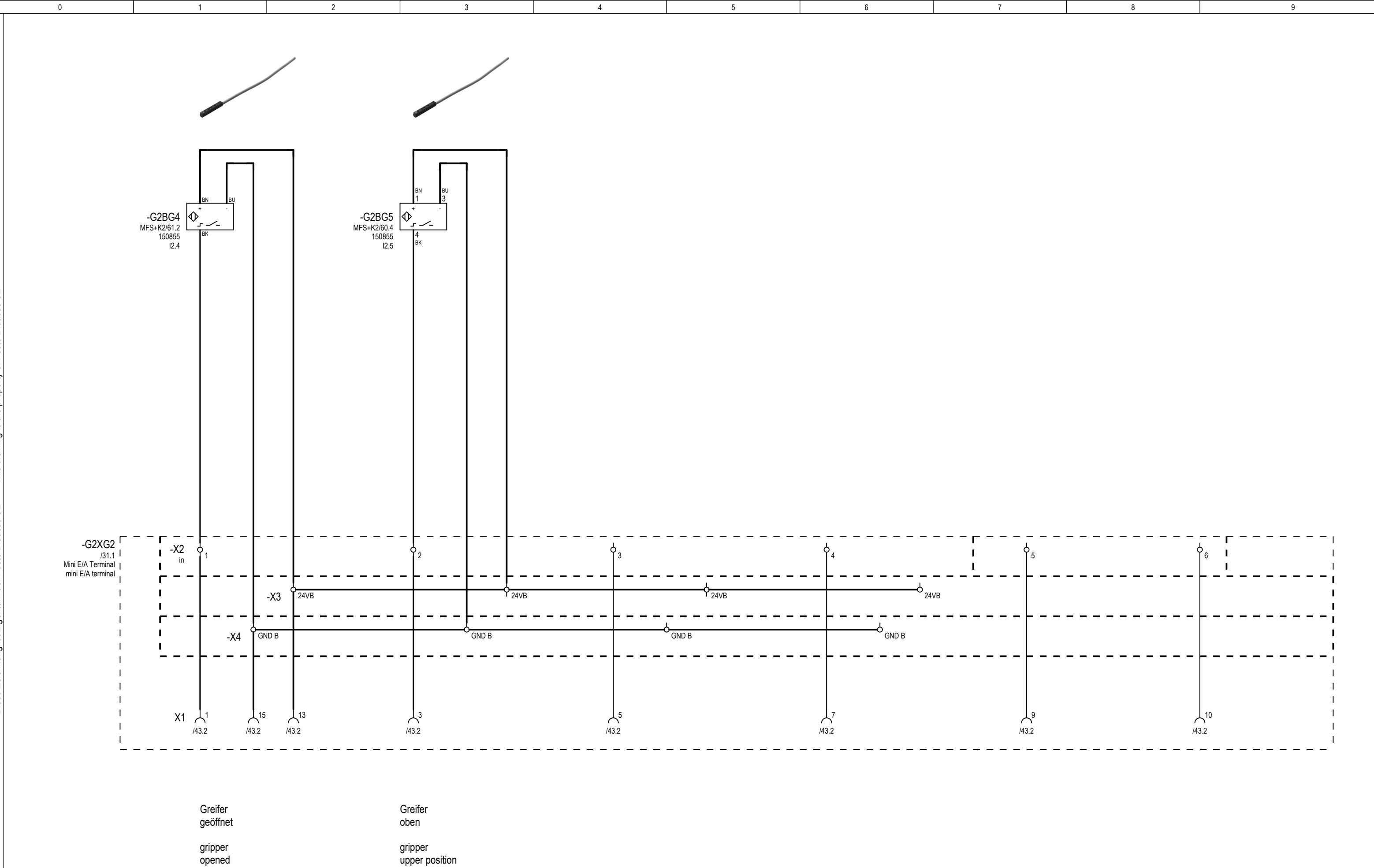
GND A

GND A

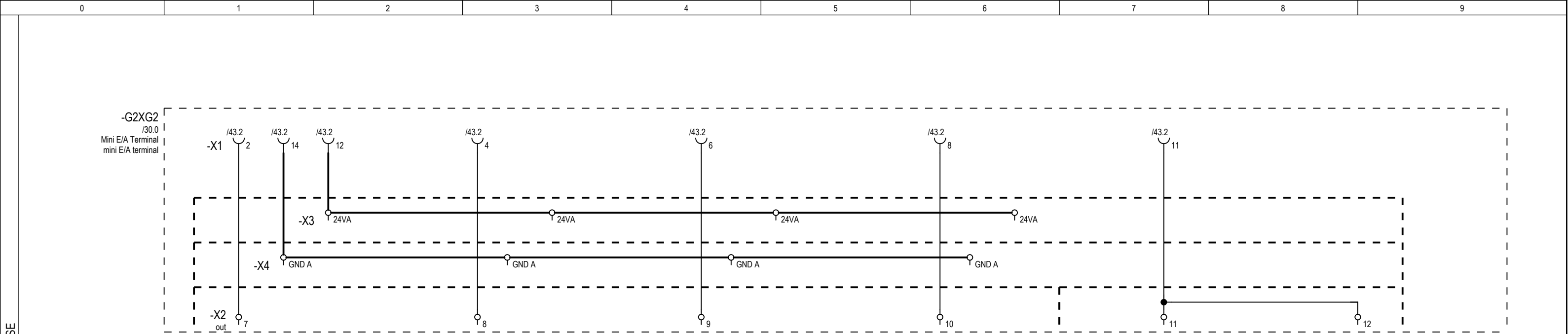
11

 ϕ_{12}

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This drawing is the property of Festo Didactic SE

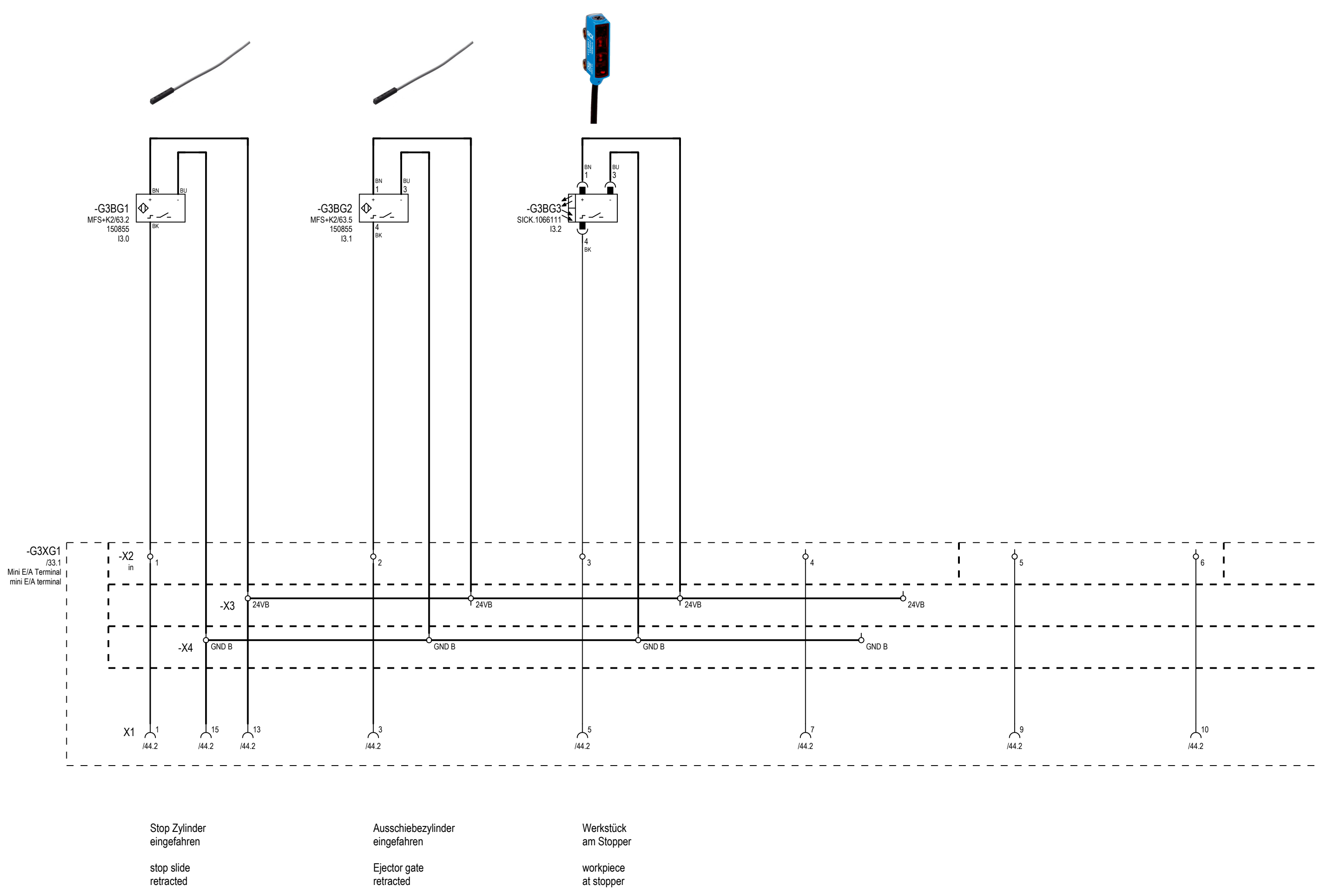


Diese Zeichnung ist Eigentum der Festo Didactic SE
This drawing is the property of Festo Didactic SE

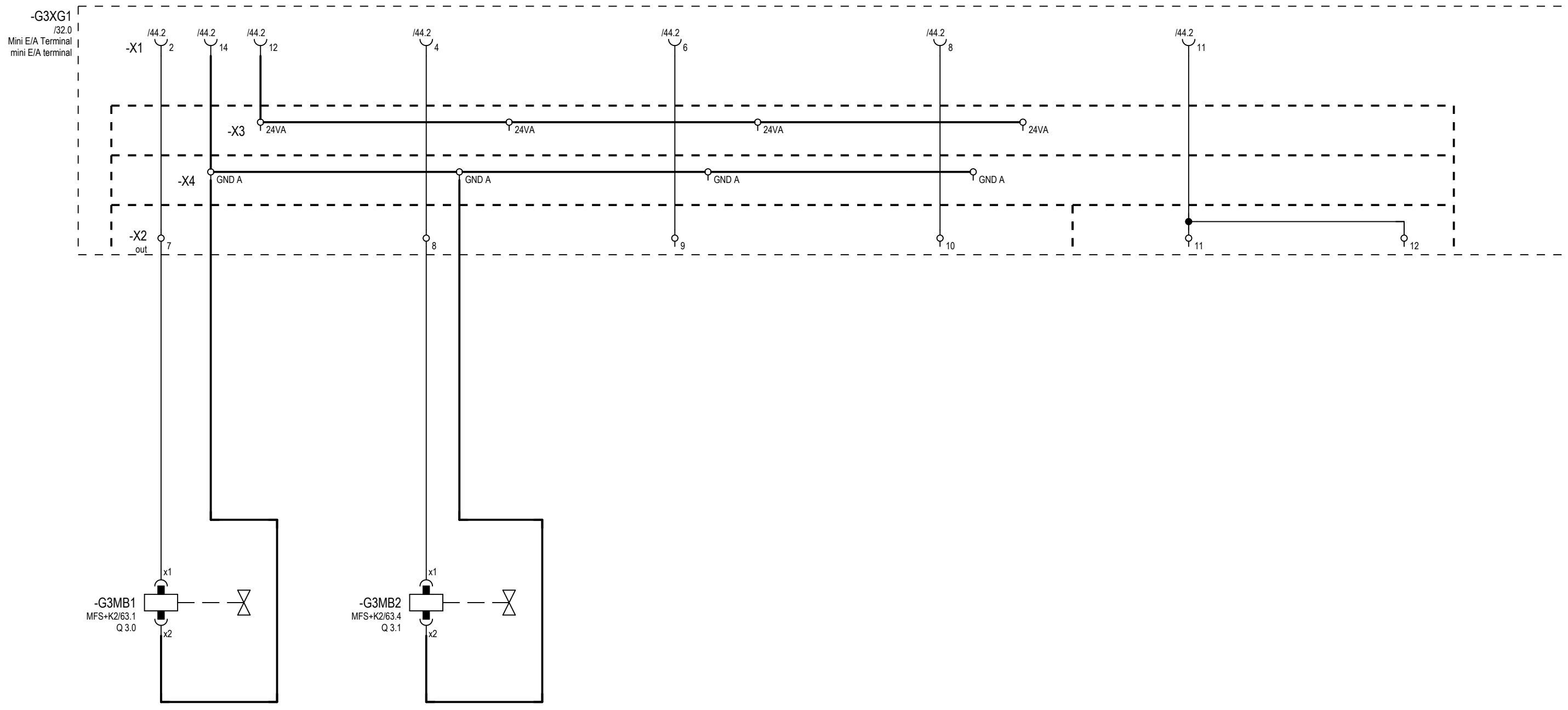


Diese Zeichnung ist Eigentum der Festo Didactic SE
This drawing is the property of Festo Didactic SE

0123456789

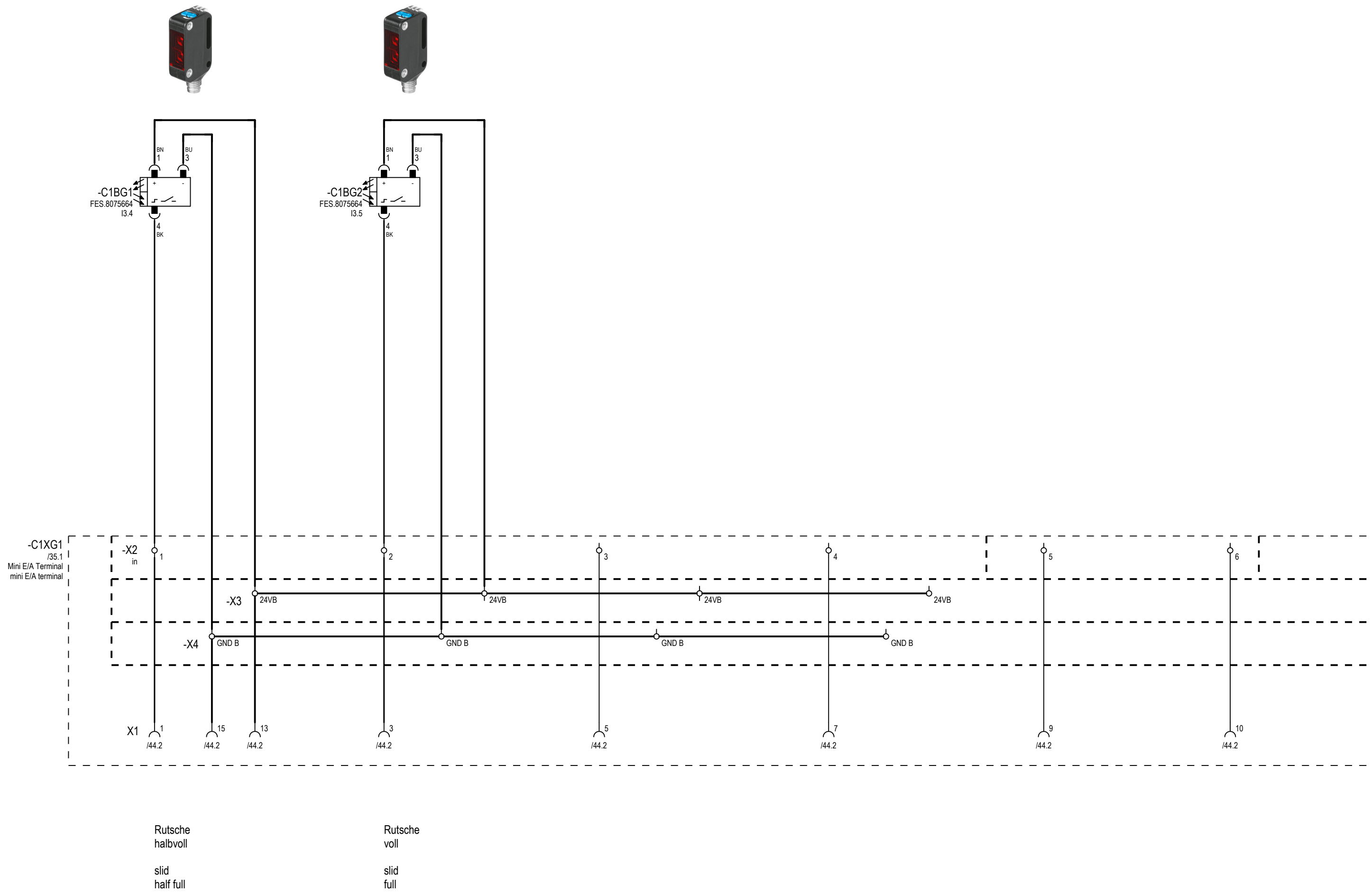


Diese Zeichnung ist Eigentum der Festo Didactic SE This drawing is the property of Festo Didactic SE



This drawing is the property of Festo Didactic SE

0	1	2	3	4	5	6	7	8	9
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<<33

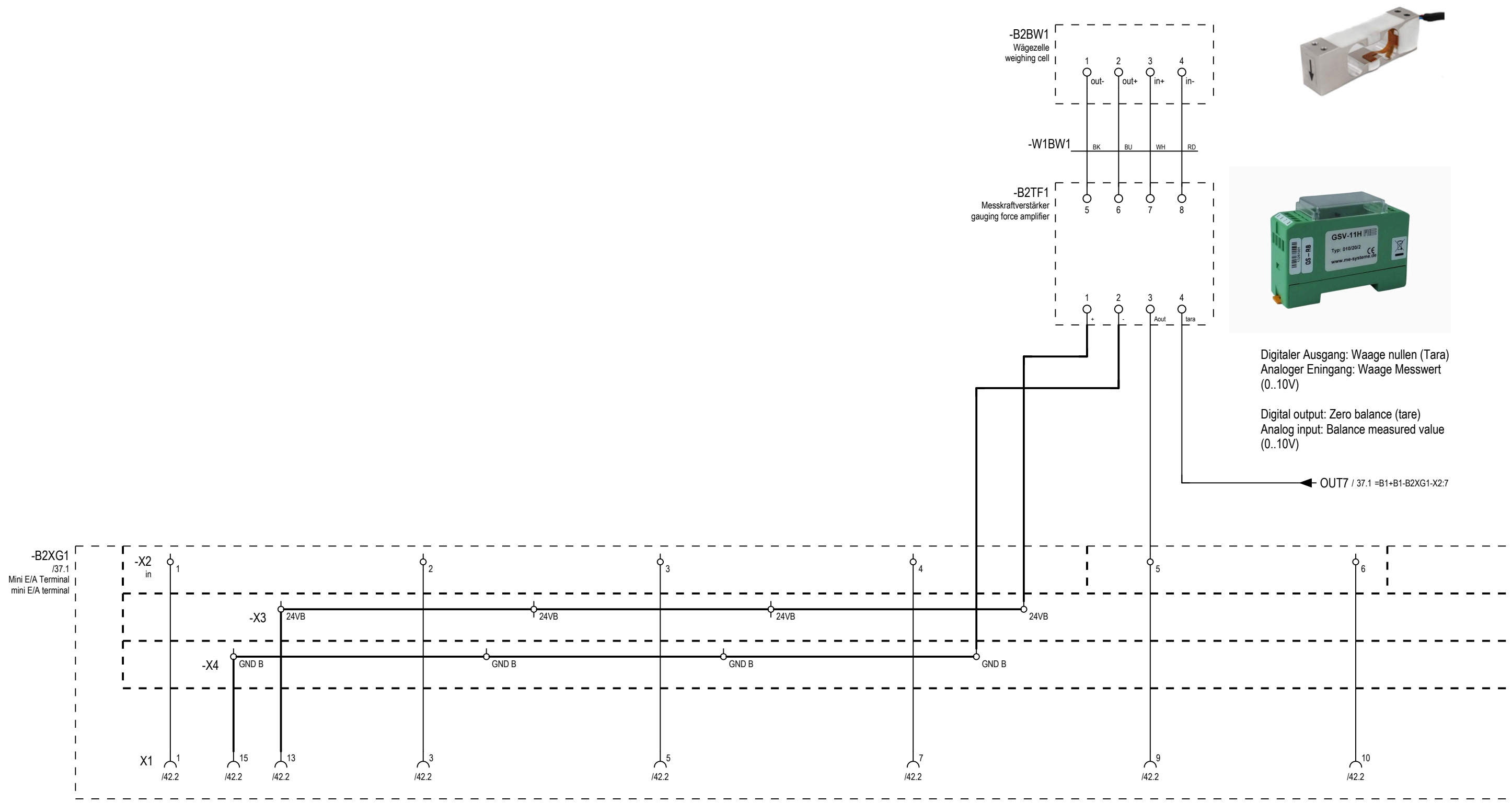
35>>

Date	2025-03-24	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf		FESTO		Modul Rutsche digital -C1XG1 slide module digital -C1XG1		Part number 8137077			
Ed. by.	kshc							PSP / DPJ	VN	= B1	Measuring
Creat.	kshc	N:	F:	V: 2025.0.3	Z:\INT\Data\EPLAN\DATA_xx\DE\Projects\Didactic\Products\28 MPS_DIMPS-400_TN 8137077- Messen Pro.elk					+ B1	Measuring
Drw.No.											Page 34 of 64



This drawing is the property of Festo Didactic SE
Diese Zeichnung ist Eigentum der Festo Didactic SE

0123456789



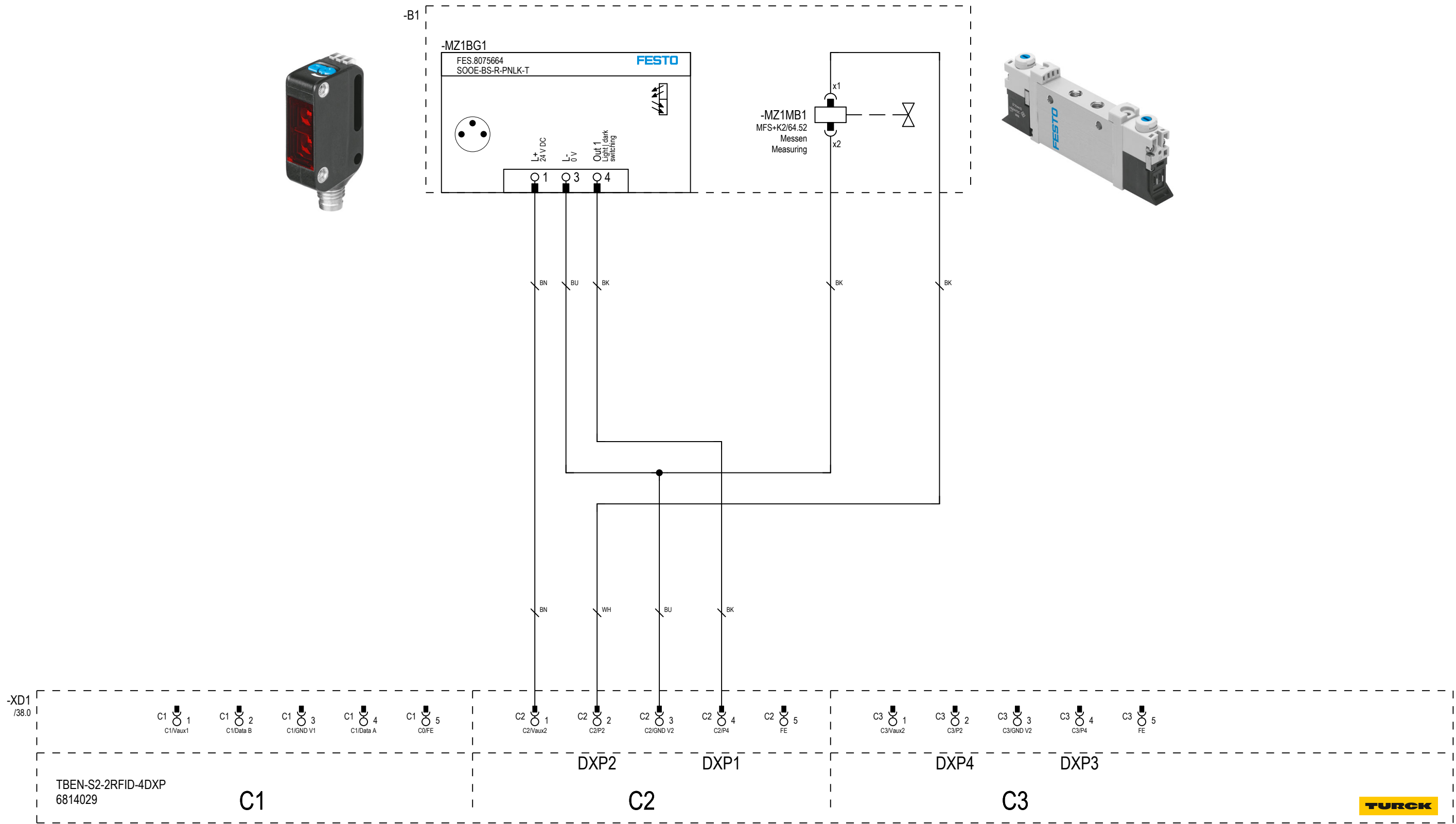
Digitaler Ausgang: Waage nullen (Tara)
Analoges Einingang: Waage Messwert (0..10V)
Digital output: Zero balance (tare)
Analog input: Balance measured value (0..10V)
OUT7 / 37.1 =B1+B1-B2XG1-X2:7

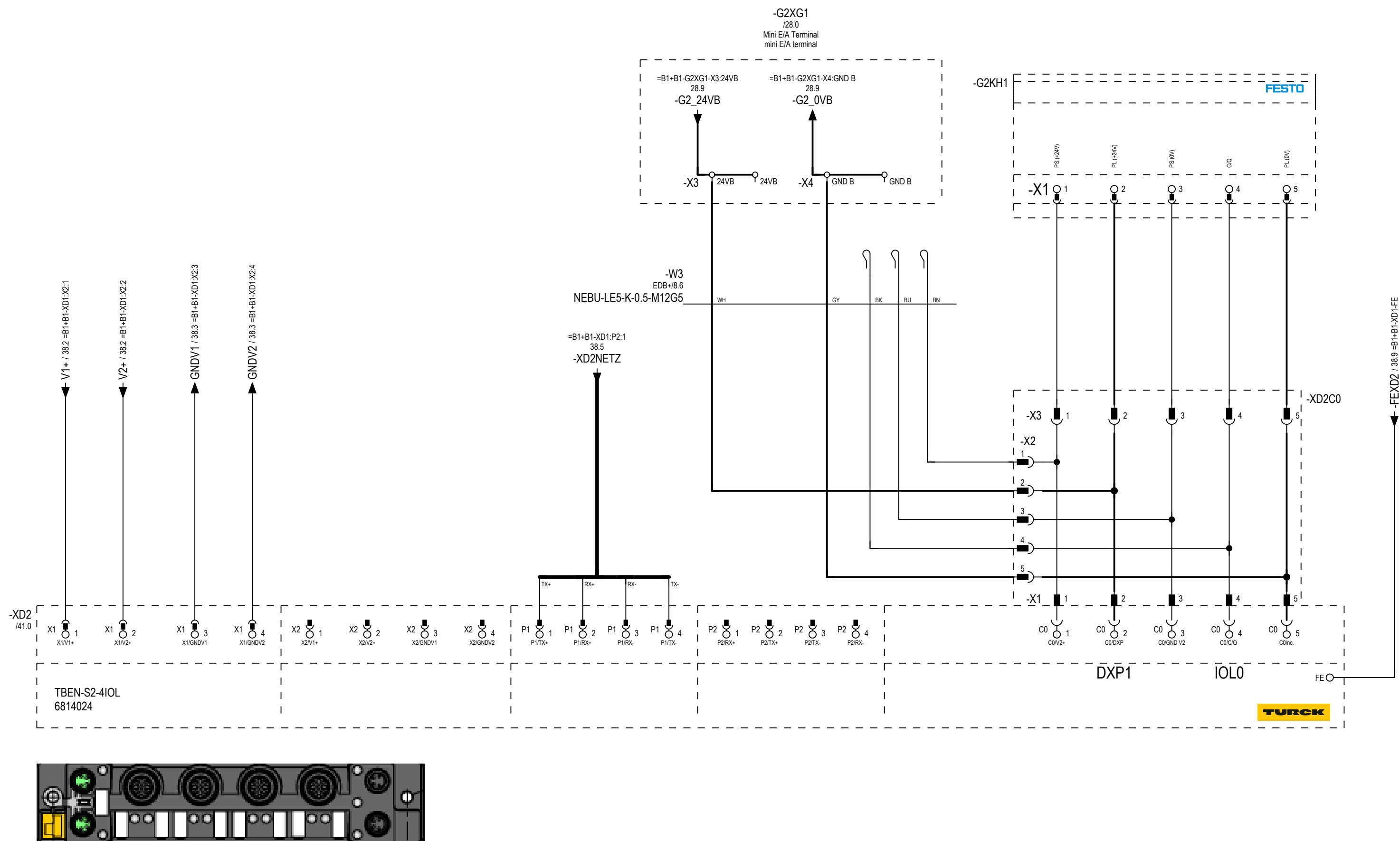




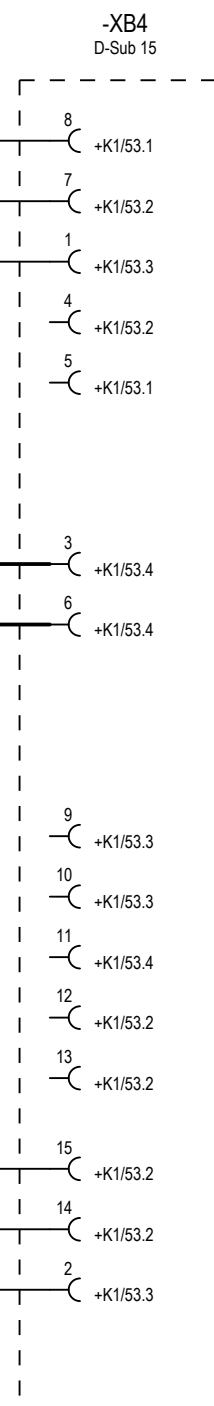
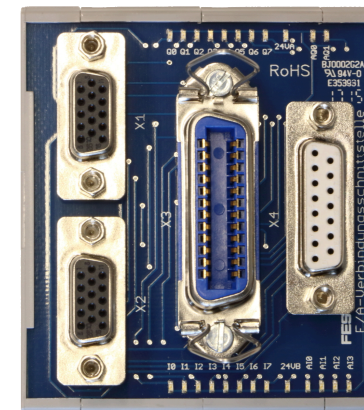
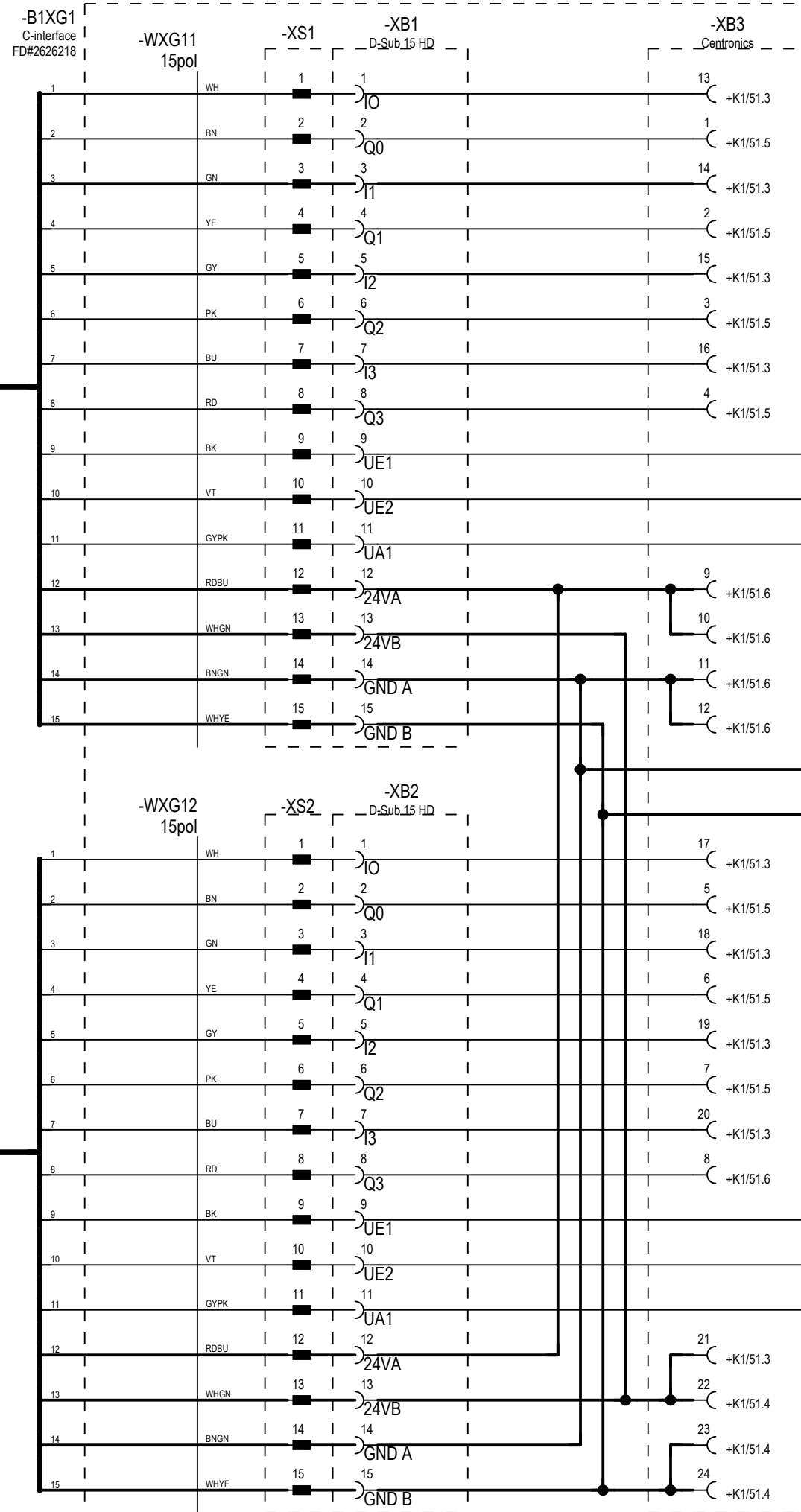
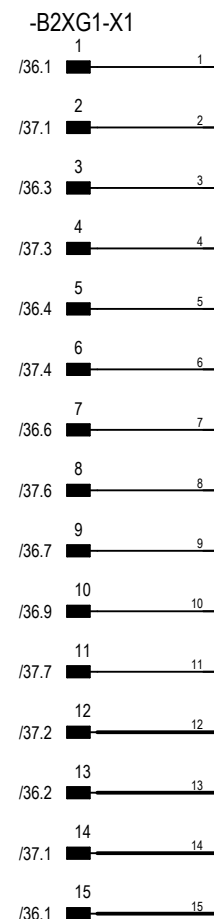
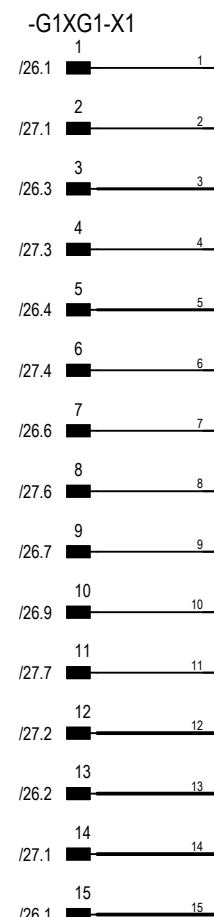
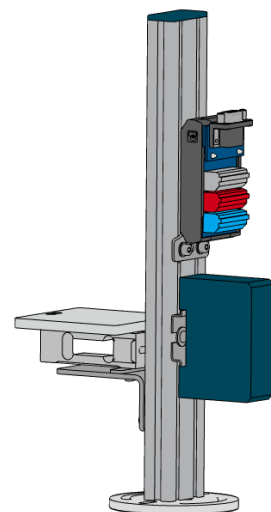
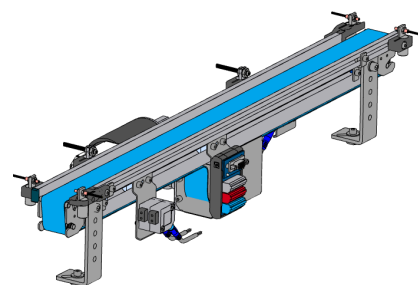
Date	2025-03-24	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf					MPS Station Messen Pro RFID MPS measuring station pro RFID	Part number 8137077			
Ed. by.	kshc							PSP / DPJ VN		= B1 Measuring	Page 38
Creat.	kshc									+ B1 Measuring	of 64
Drw.No.		N:	F:	V: 2025.0.3	Z:\INT\Data\EPLAN\DATA_xx\DE\Projects\Didactic\Products\28 MPS_D\MPS-400_TN 8137077- Messen Pro.elk						

Diese Zeichnung ist Eigentum der Festo Didactic SE
This drawing is the property of Festo Didactic SE

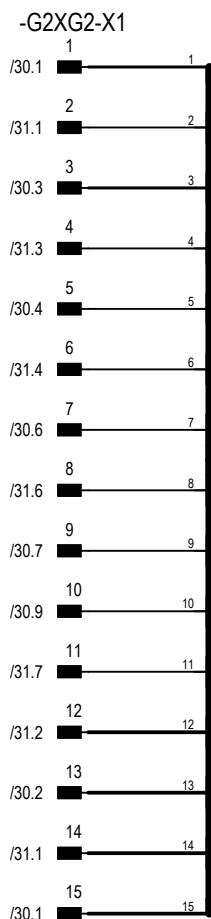
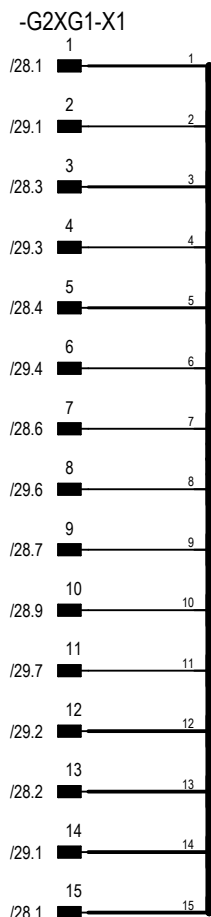
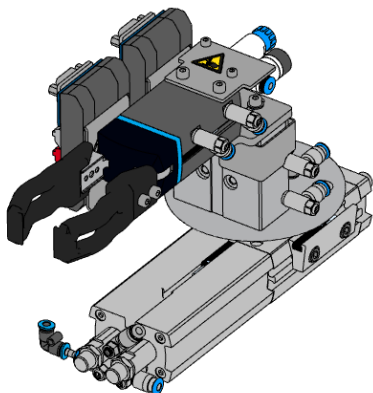
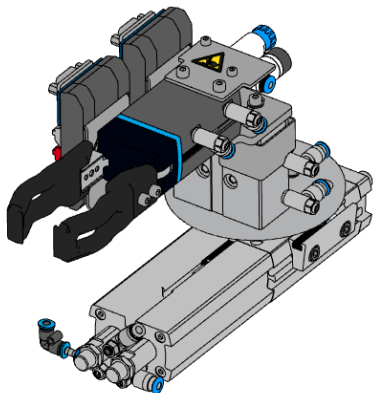








This drawing is the property of Festo Didactic SE
Diese Zeichnung ist Eigentum der Festo Didactic SE



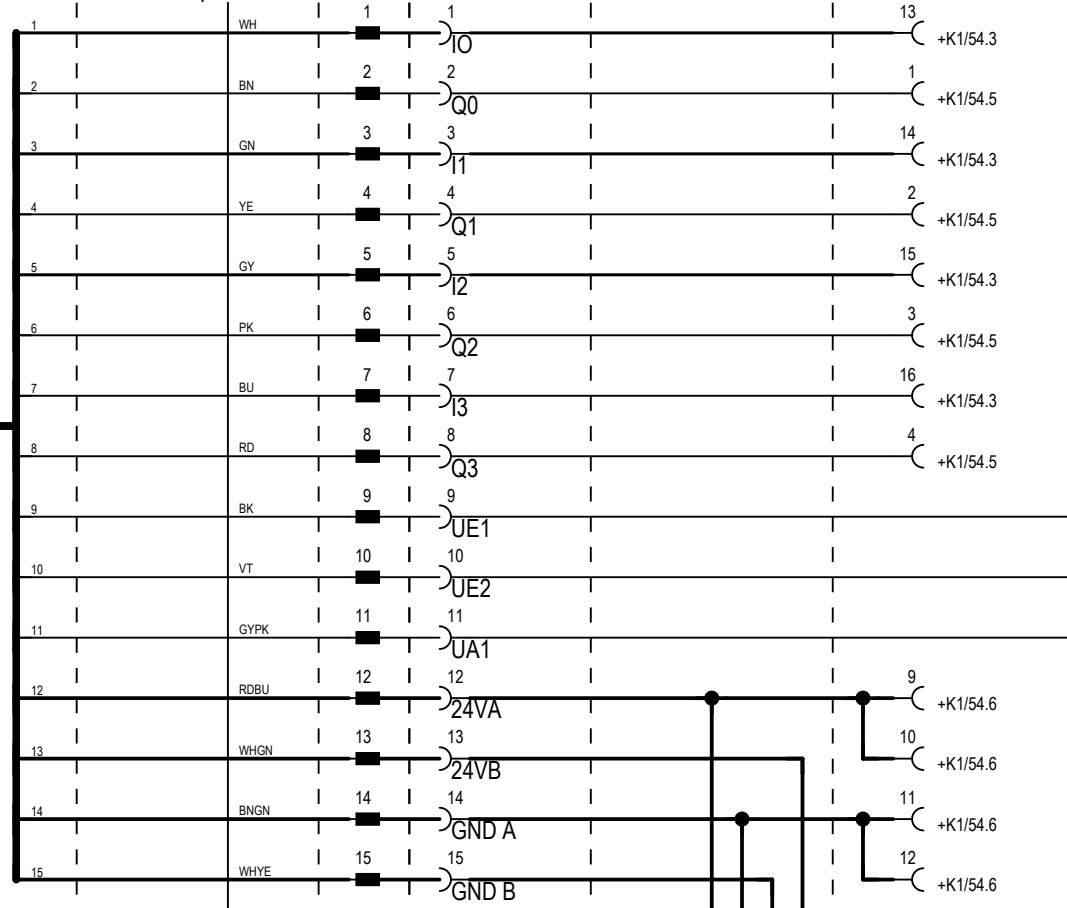
-B1XG2
C-interface
FD#2626218

-WXG21
15pol

-XS1

-XB1
D-Sub 15 HD

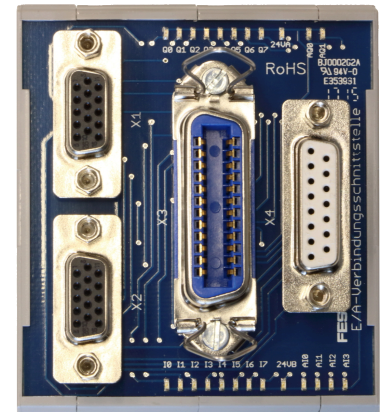
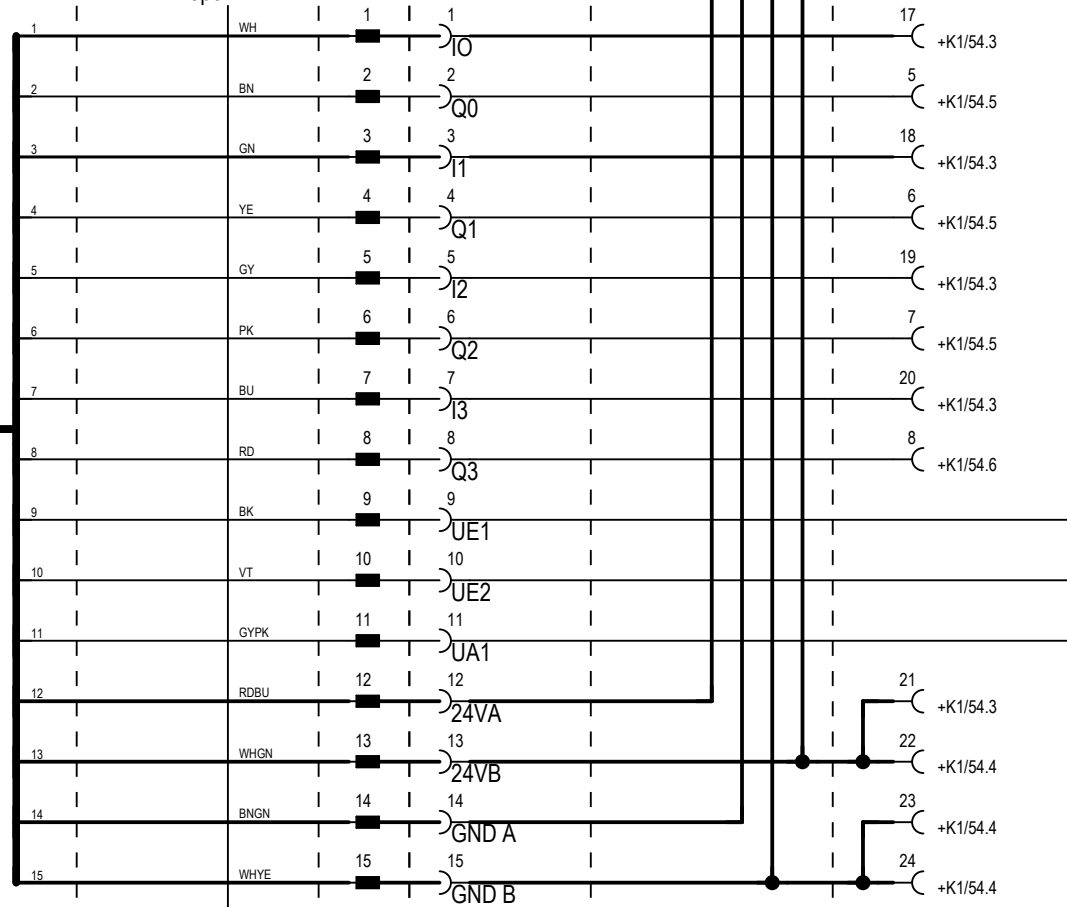
-XB3
Centronics



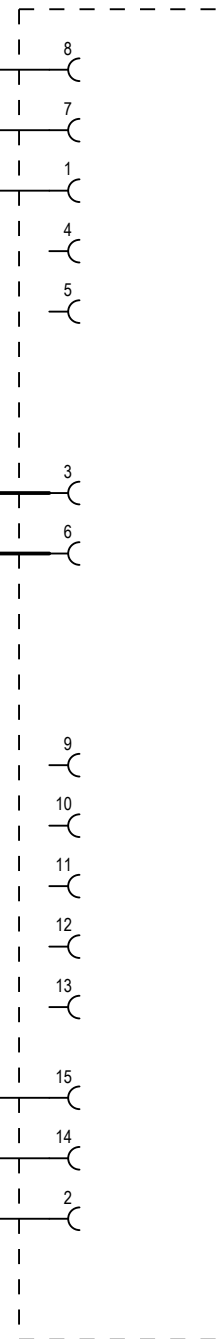
-WXG22
15pol

-XS2

-XB2
D-Sub 15 HD



-XB4
D-Sub 15



<<42

Date	2025-03-24	Festo Didactic SE			
Ed. by.	kshc	Rechbergstraße 3			
Creat.	kshc	D-73770 Denkendorf			
Drw.No.		N:	F:	V: 2025.0.3	Z:\INT\Data\IPLANDATA_x\DE\Projects\Didactic\Products\28 MPS_DIMPS-400_TN 8137077- Messen Pro.elk

FESTO

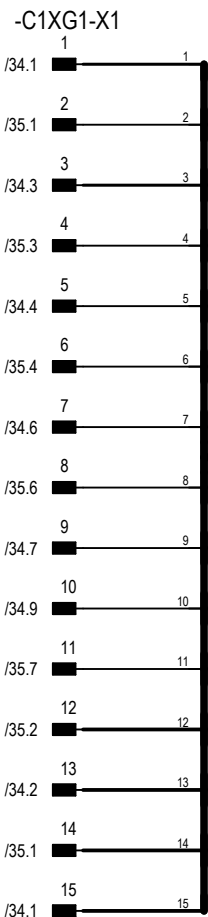
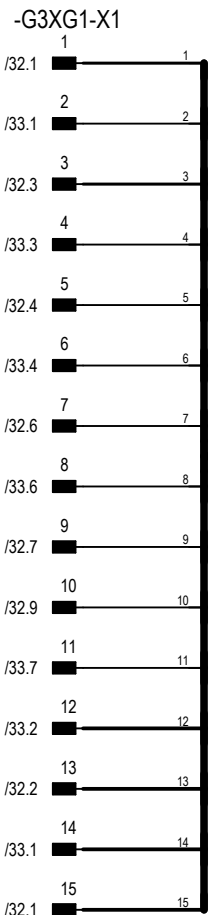
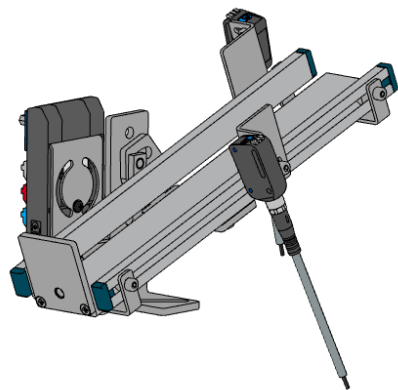
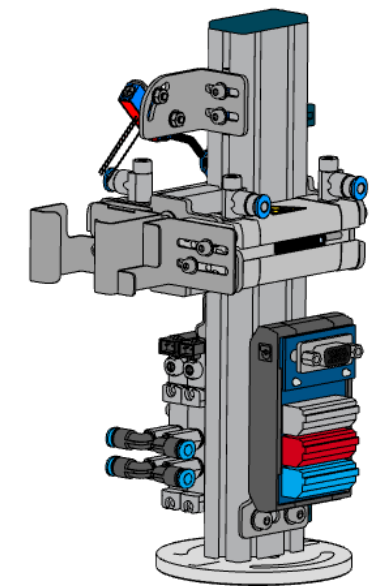
MPS Station Messen Pro -B1XG2 MPS Measuring Pro
station -B1XG2

Part number	8137077
PSP / DPJ	VN

= B1	Measuring	Page 43
+ B1	Measuring	of 64

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Diese Zeichnung ist Eigentum der Festo Didactic SE
This drawing is the property of Festo Didactic SE



-B1XG3
C-interface
FD#2626218

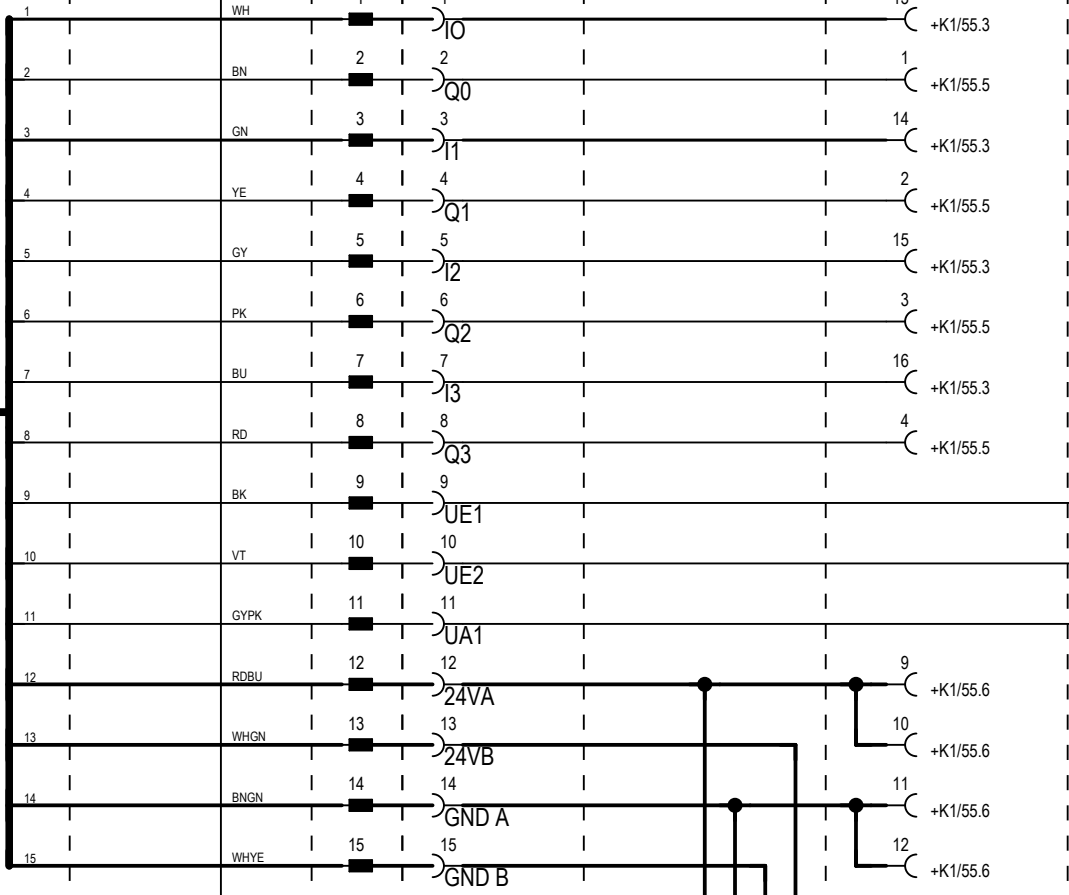
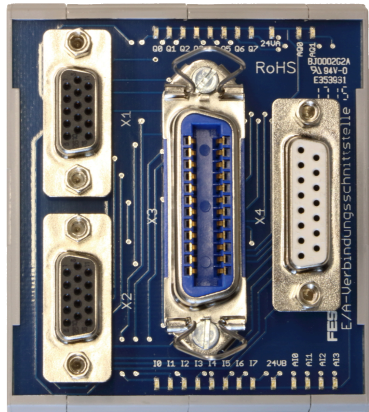
-WXG3
15pol

-XS1

-XB1
D-Sub 15 HD

-XB3
Centronics

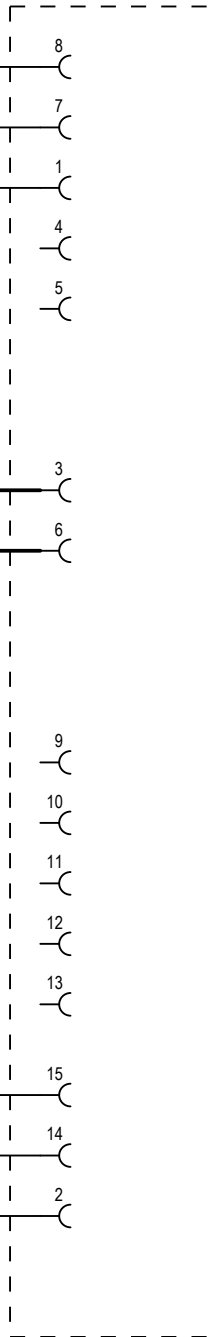
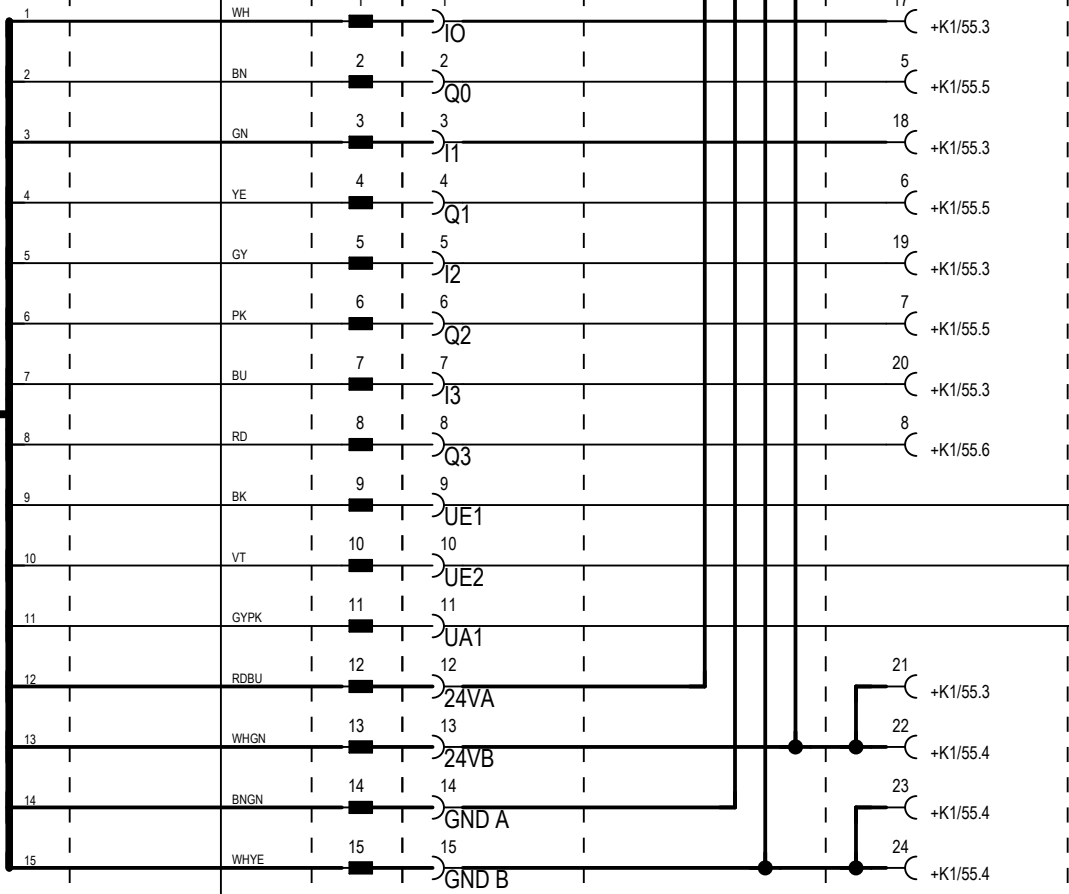
-XB4
D-Sub 15



-WXG32
15pol

-XS2

-XB2
D-Sub 15 HD



<<43

45>>

Date	2025-03-24	Festo Didactic SE			
Ed. by.	kshc	Rechbergstraße 3			
Creat.	kshc	D-73770 Denkendorf			
Drw.No.		N:	F:	V: 2025.0.3	Z:\INT\Data\IPLAN\DATA_xx\DE\Projects\Didactic\Products\28 MPS_DIMPS-400_TN 8137077- Messen Pro.elk

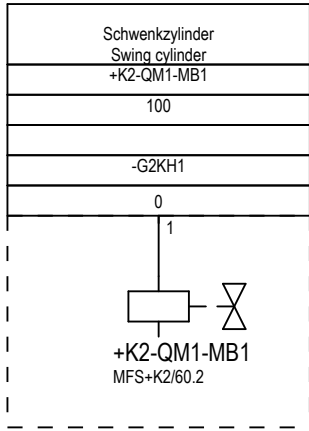
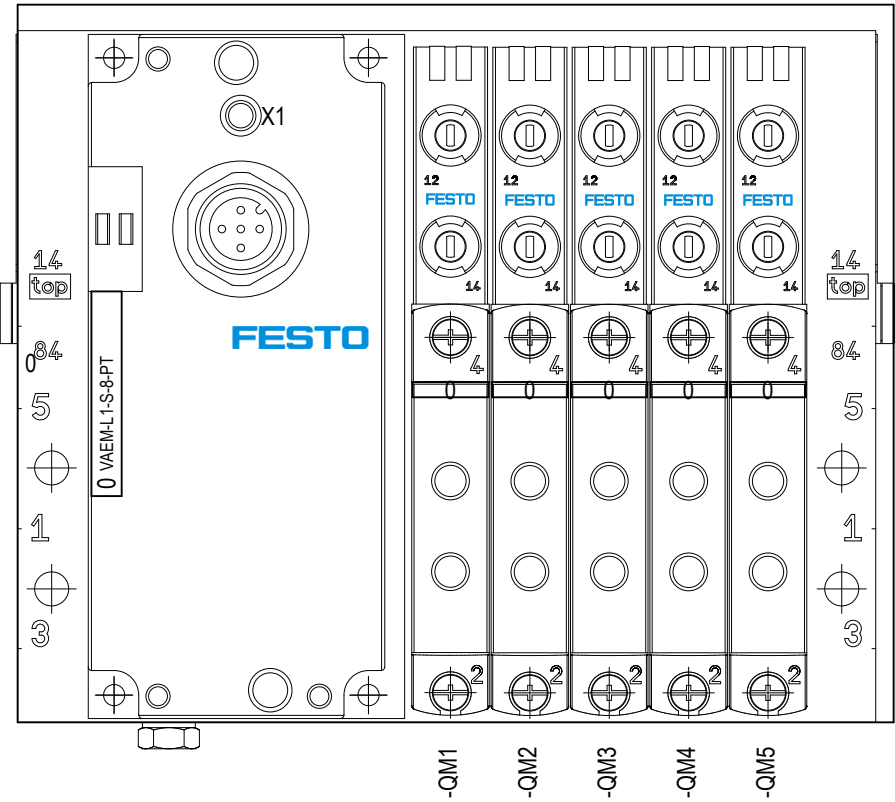
FESTO

MPS Station Messen Pro -B1XG3 MPS Measuring Pro
station -B1XG1

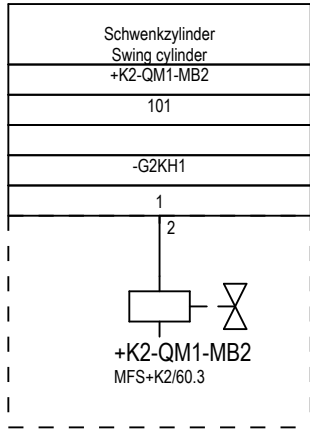
Part number	8137077
PSP / DPJ	VN

= B1	Measuring	Page 44
+ B1	Measuring	of 64

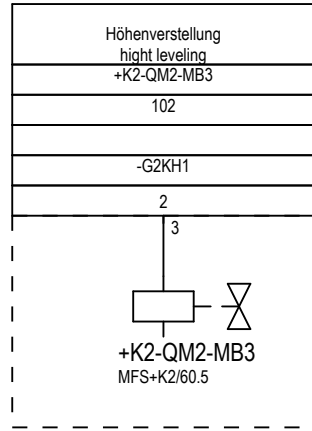
This drawing is the property of Festo Didactic SE
Diese Zeichnung ist Eigentum der Festo Didactic SE



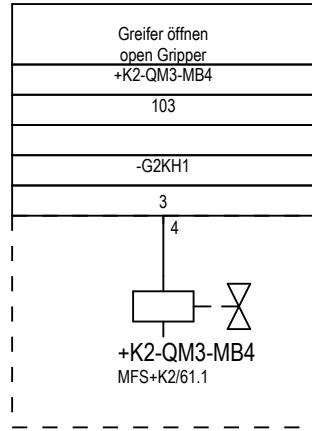
Schwenkzylinder
Swing cylinder



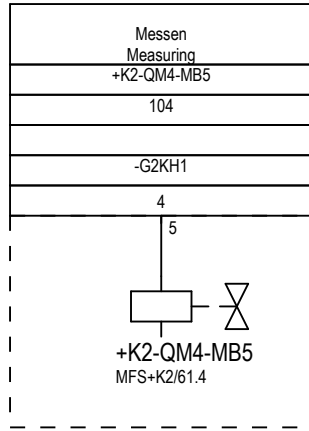
Schwenkzylinder
Swing cylinder



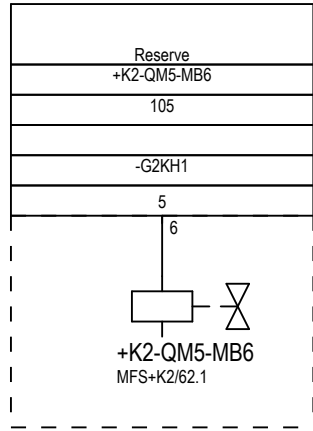
Höhenverstellung
hight leveling



Greifer öffnen
open Gripper



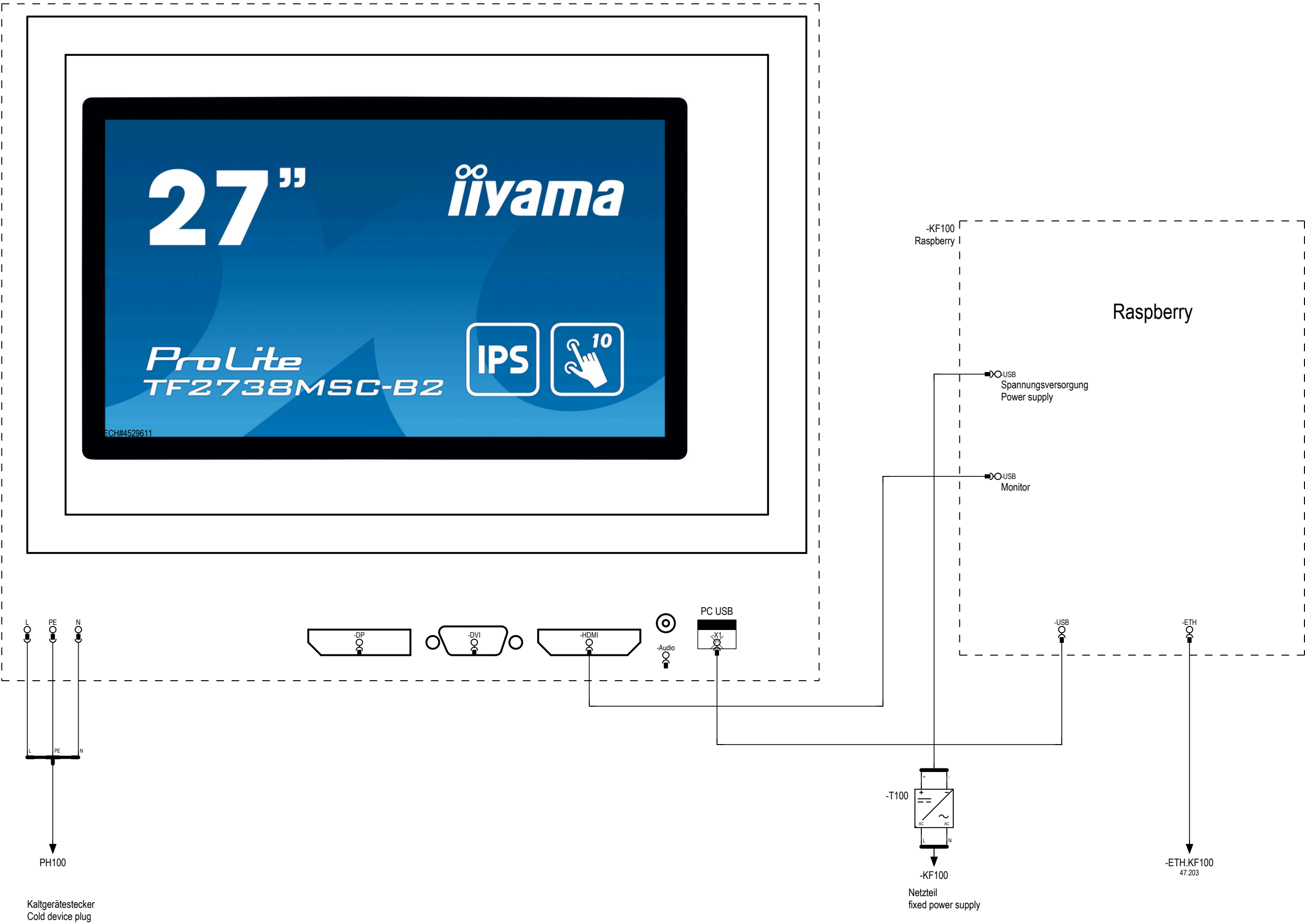
Messen
Measuring



Reserve

This drawing is the property of Festo Didactic SE

iiyama PL TF2738MSC-B2 Touch Display
-PH100

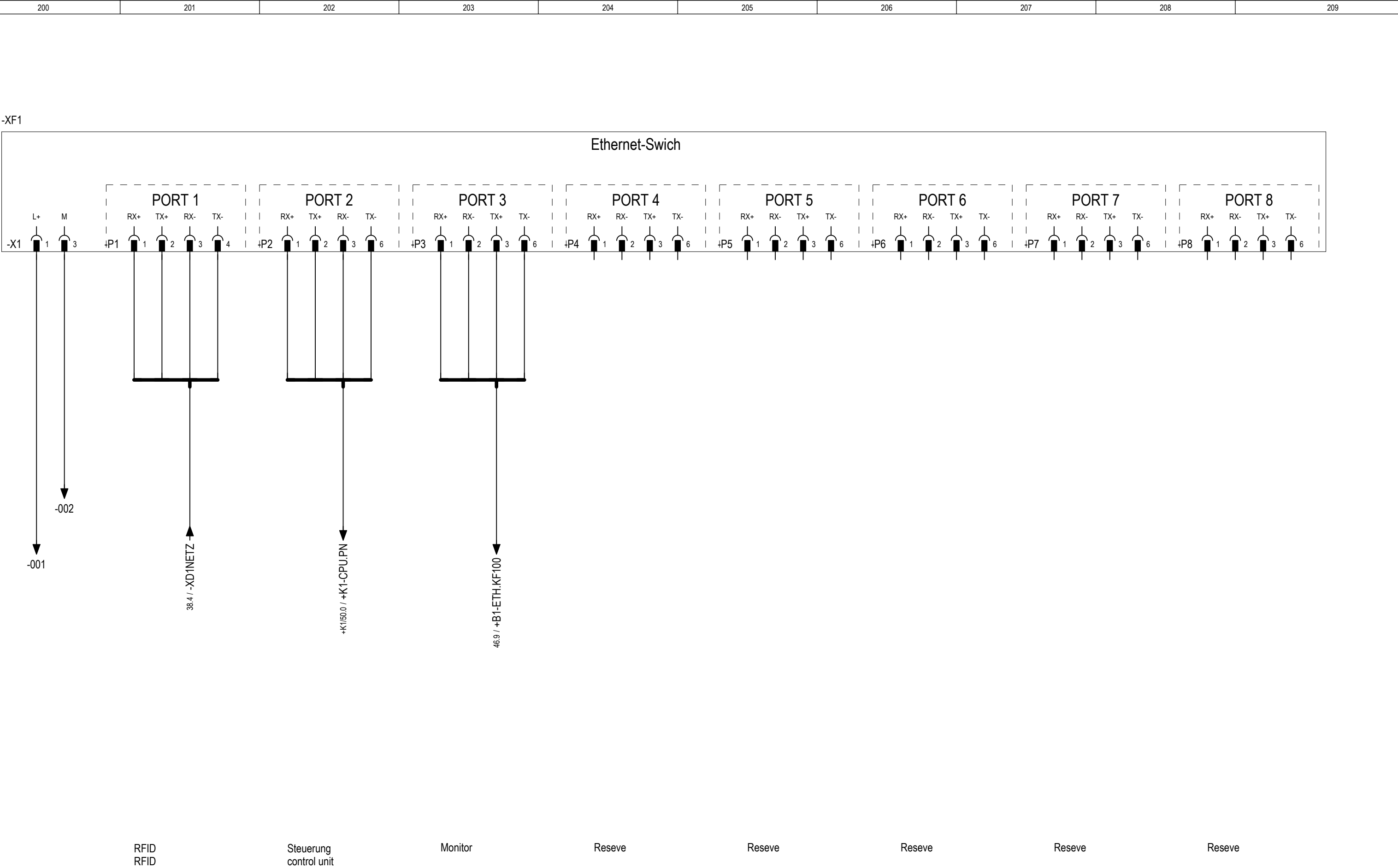


<<45

47 >>

Date	2025-03-24	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf			FESTO Monitor		Part number 8137077			
Ed. by.	kshc						PSP / DPJ VN		= B1 Measuring	Page 46
Creat.	kshc								+ B1 Measuring	of 64
Drw.No.		N:	F:	V: 2025.0.3	Z:\INT\Data\EPLAN\DATA_xx\DE\Projects\Didactic\Products\28 MPS_DIMPS-400_TN 8137077- Messen Pro.elk					

Diese Zeichnung ist Eigentum der Festo Didactic SE
This drawing is the property of Festo Didactic SE



<<46

+K1/48 >>

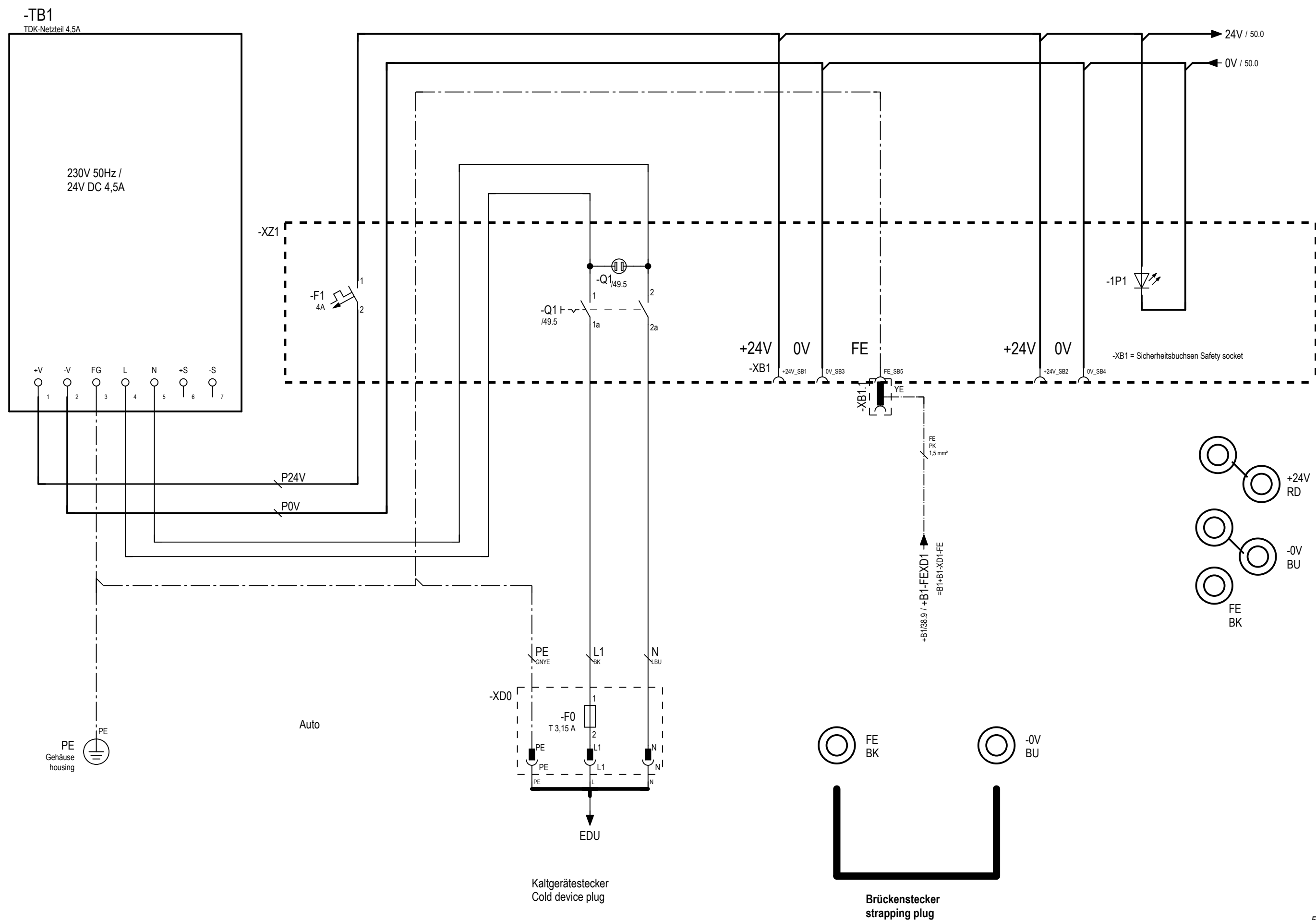
Date	2025-03-24	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf			FESTO	MPS Station Messen Switch MPS station measuring switch	Part number 8137077				
Ed. by.	kshc						PSP / DPJ	VN	= B1	Measuring	Page 47
Creat.	kshc								+ B1	Measuring	of 64
Drw.No.		N:	F:	V: 2025.0.3	Z:\INT\Data\EPLAN\DATA_xx\DE\Projects\Didactic\Products\28 MPS_DIMPS-400_TN 8137077- Messen Pro.elk						

This drawing is the property of Festo Didactic SE

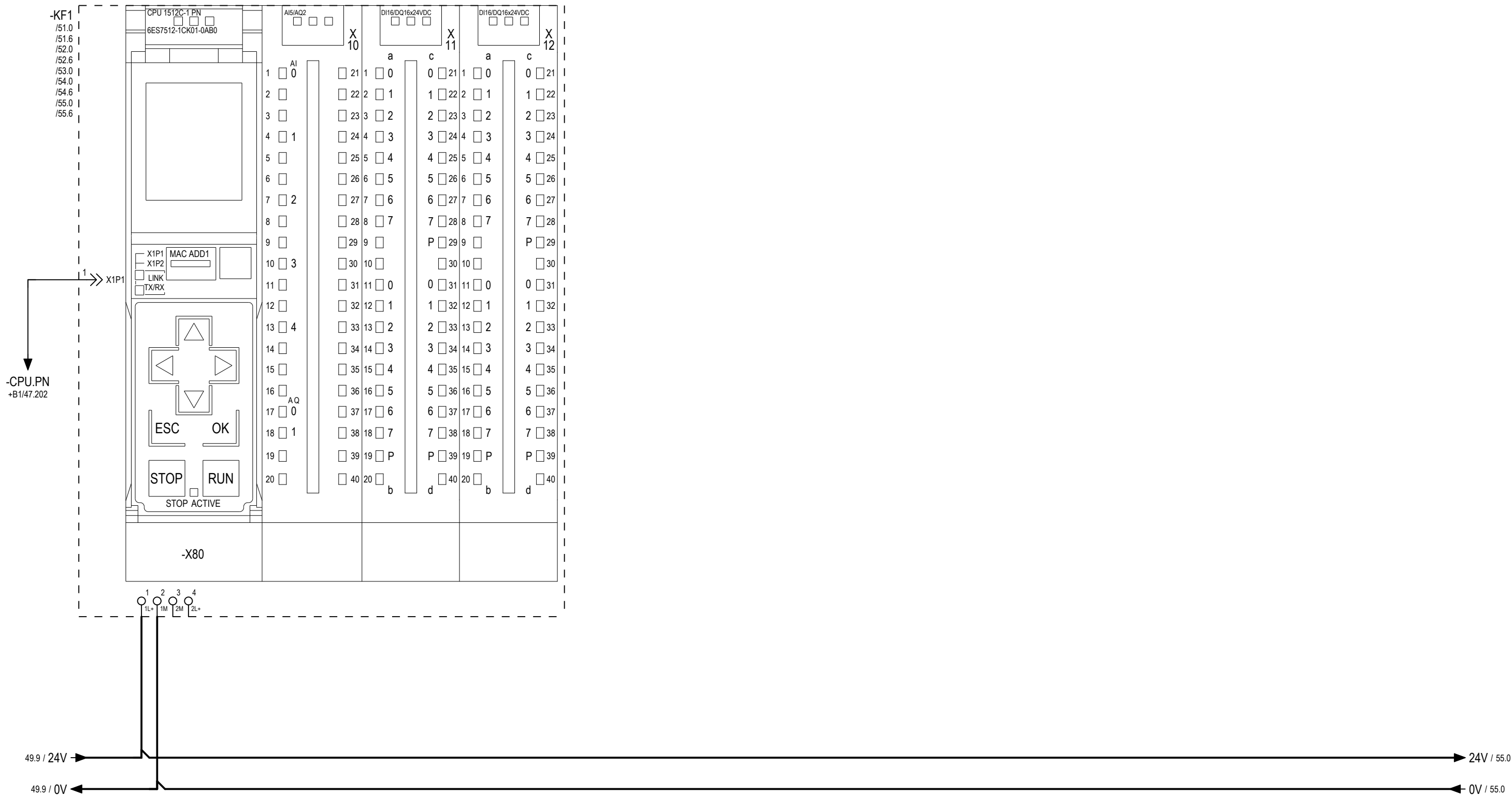
0	1	2	3	4	5	6	7	8	9
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+K1

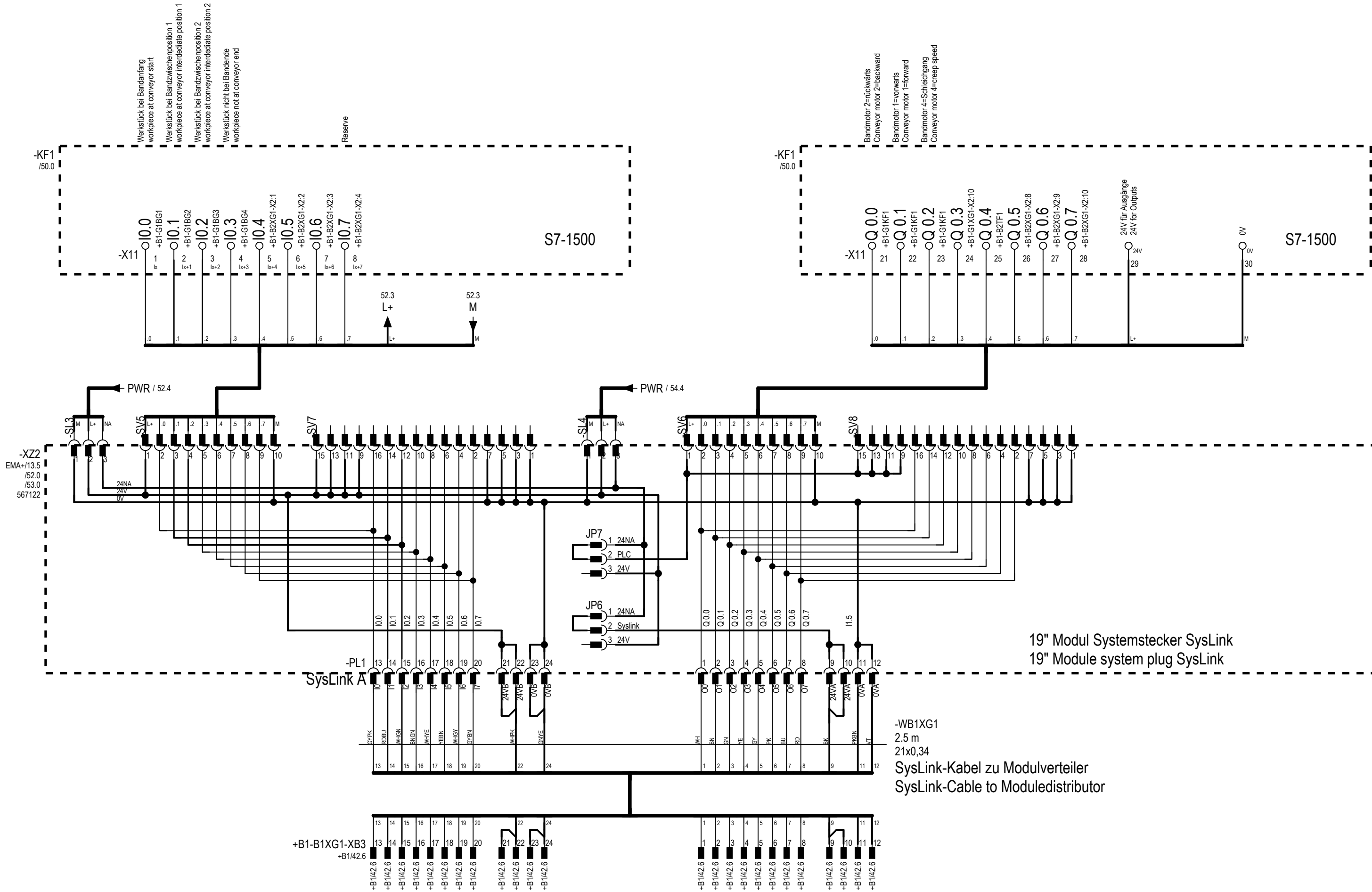
Steuerung
control unit



This drawing is the property of Festo Didactic SE
Diese Zeichnung ist Eigentum der Festo Didactic SE



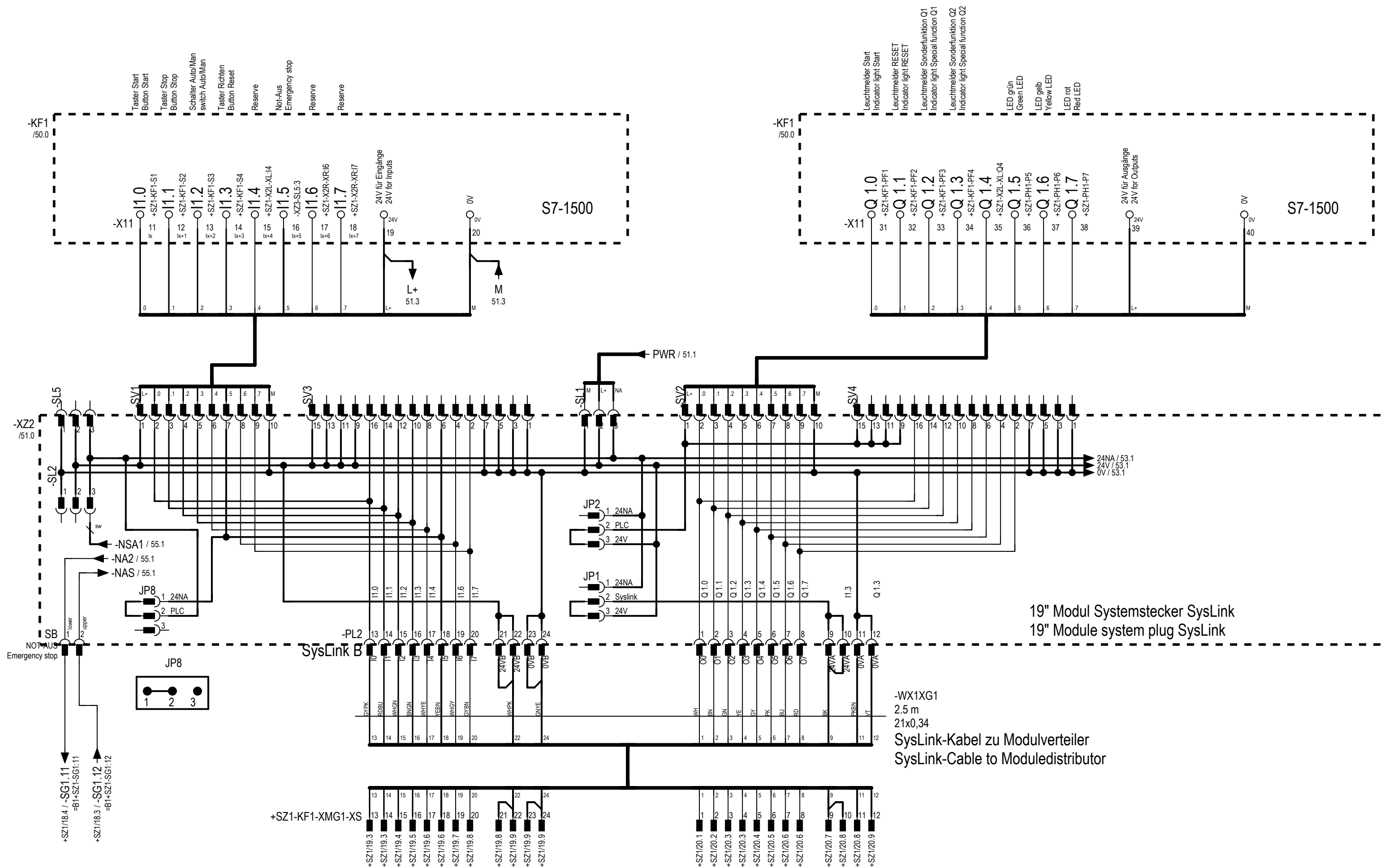
Diese Zeichnung ist Eigentum der Festo Didactic SE
This drawing is the property of Festo Didactic SE



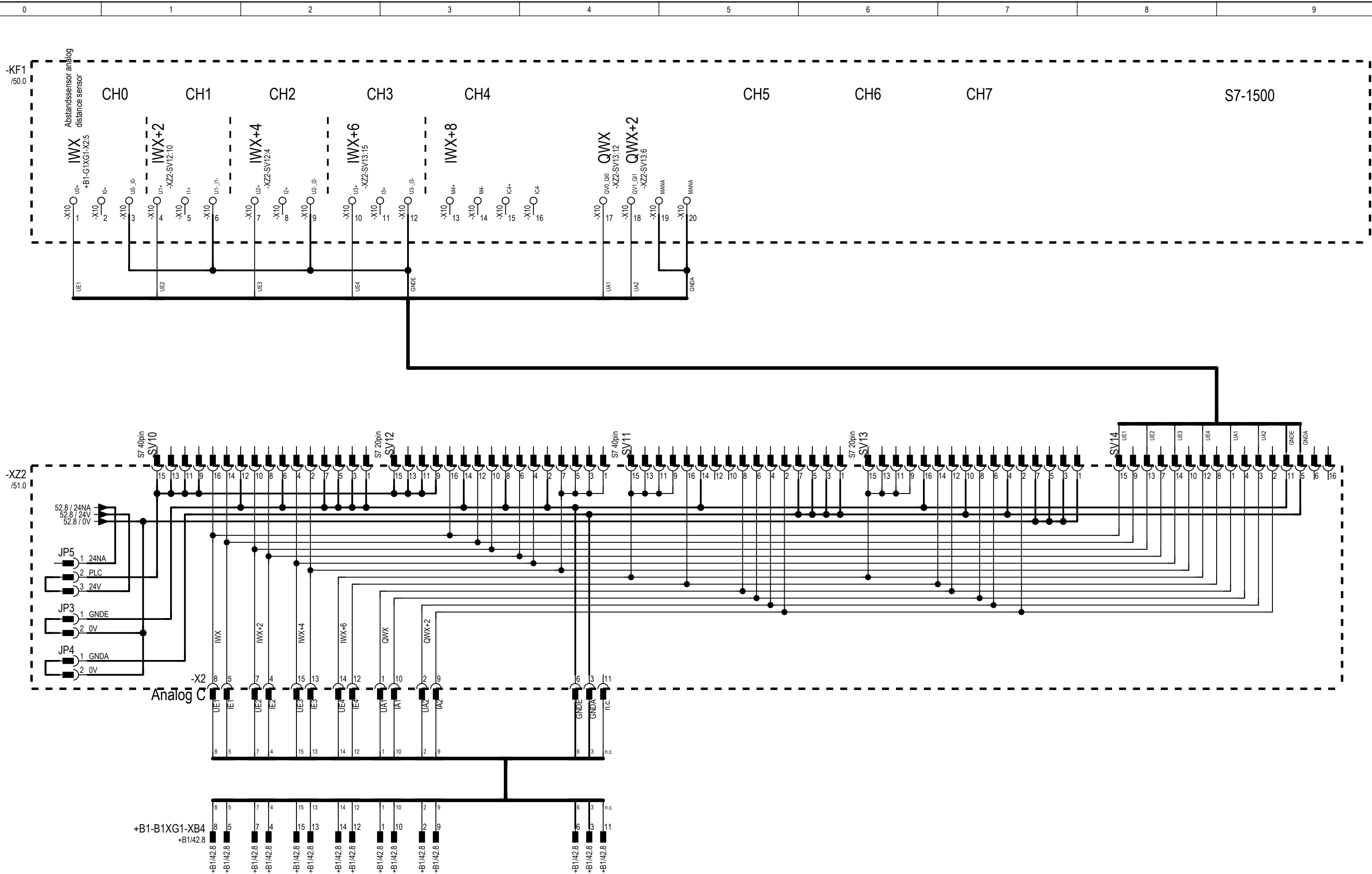
<50

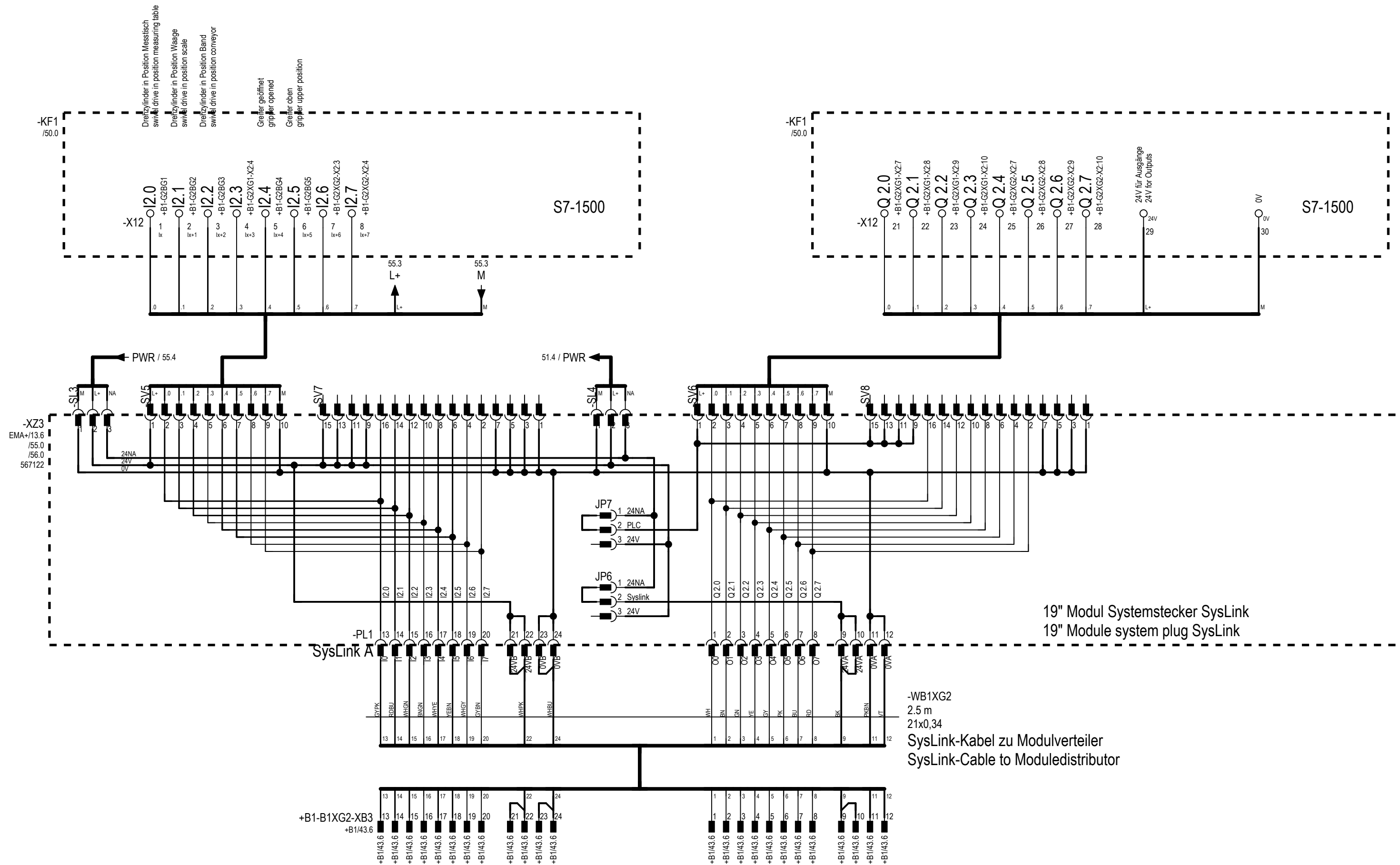
52>>

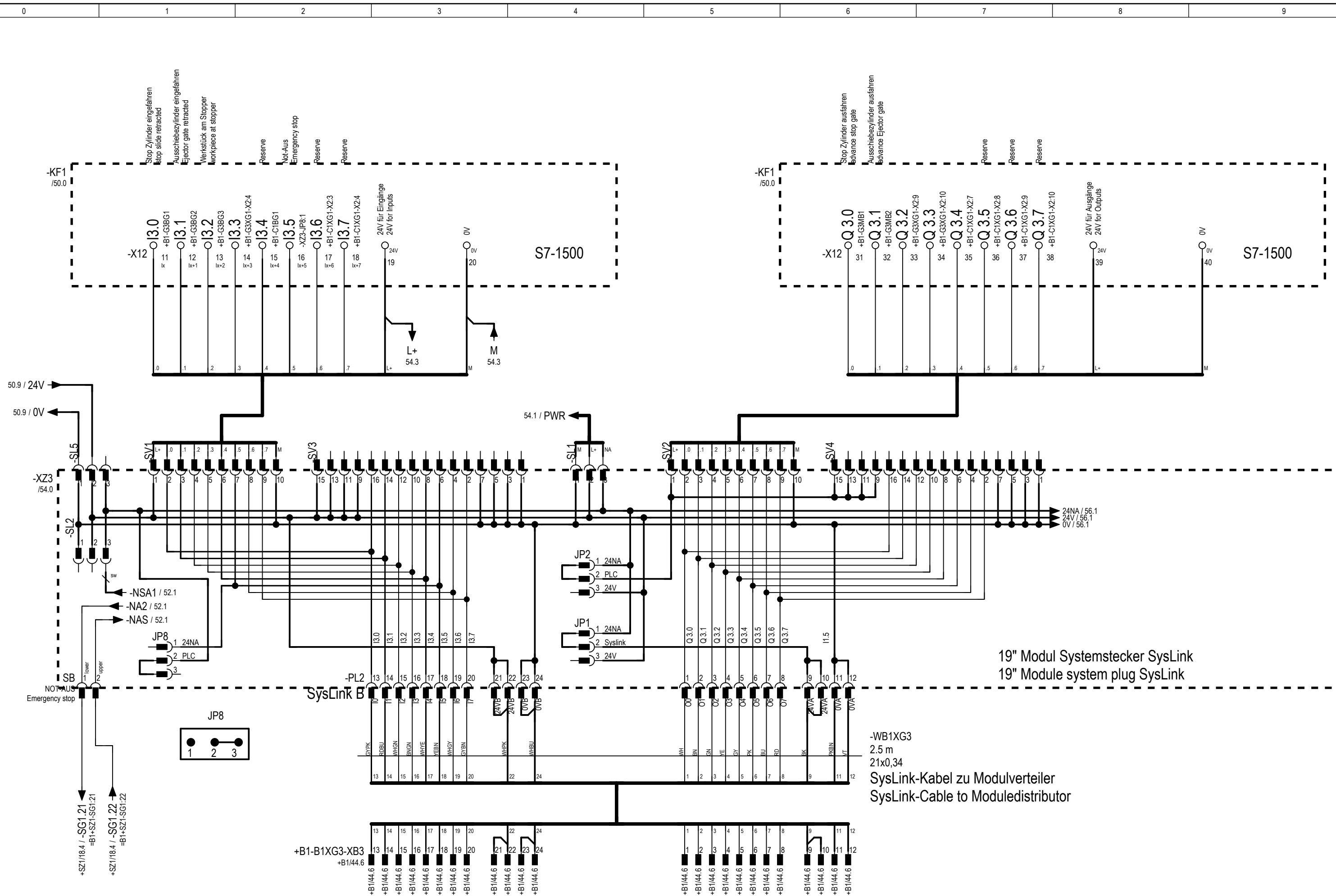
Date	2025-03-24	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf				19" Modul Systemstecker SysLink A 19" Module system plug SysLink A	Part number		8137077			
Ed. by.	kshc											
Creat.	kshc											
Drw.No.		N:	F:	V: 2025.0.3	Z:\INT\Data\IPLAN\DATA_xx\DE\Projects\Didactic\Products\28 MPS_D\MPS-400_TN 8137077- Messen Pro.elk		PSP / DPJ		VN	= B1	Measuring	Page 51
										+ K1	control unit	of 64

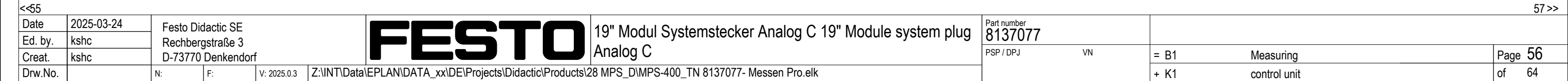


Diese Zeichnung ist Eigentum der Festo Didactic SE
This drawing is the property of Festo Didactic SE



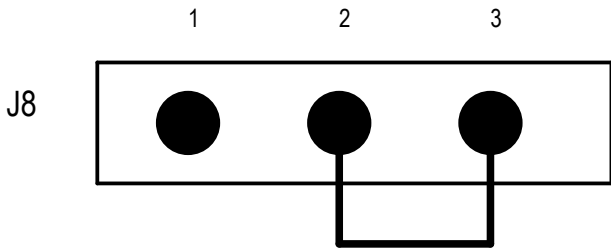
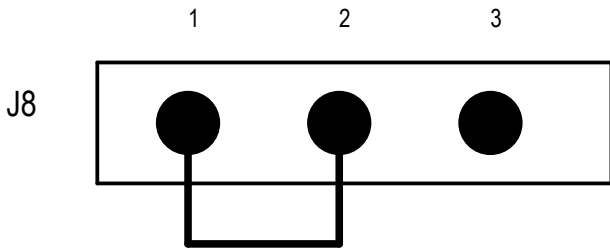
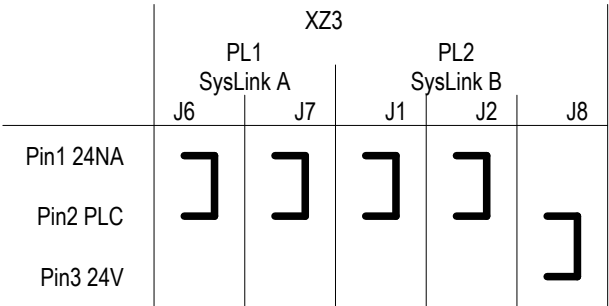
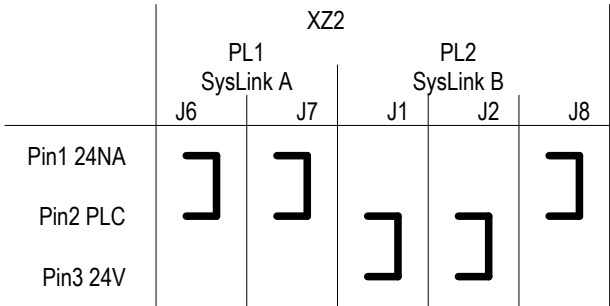






Diese Zeichnung ist Eigentum der Festo Didactic SE
This drawing is the property of Festo Didactic SE

0	1	2	3	4	5	6	7	8	9
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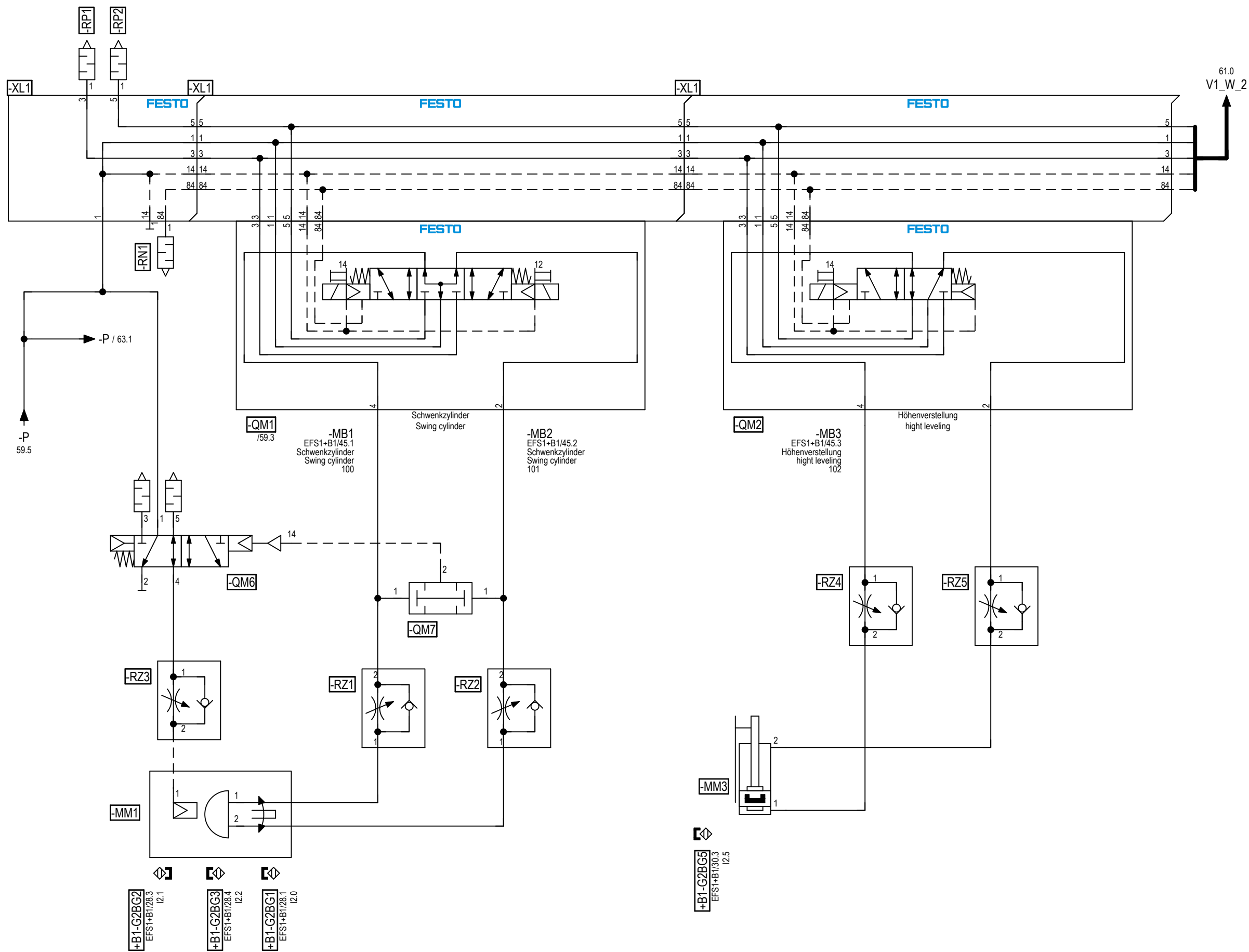


This drawing is the property of Festo Didactic SE

+K2

Pneumatik
Pneumatics

Diese Zeichnung ist Eigentum der Festo Didactic SE
This drawing is the property of Festo Didactic SE



<59

Date	2025-03-24	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf	
Ed. by.	kshc		
Creat.	kshc		
Drw.No.		N:	F:



MPS Modul Messen Pro pn -G2 MPS Measuring Pro module
pn -G2

Part number	8137077
PSP / DPJ	VN

= B1	Measuring	Page 60
+ K2	Pneumatics	of 64

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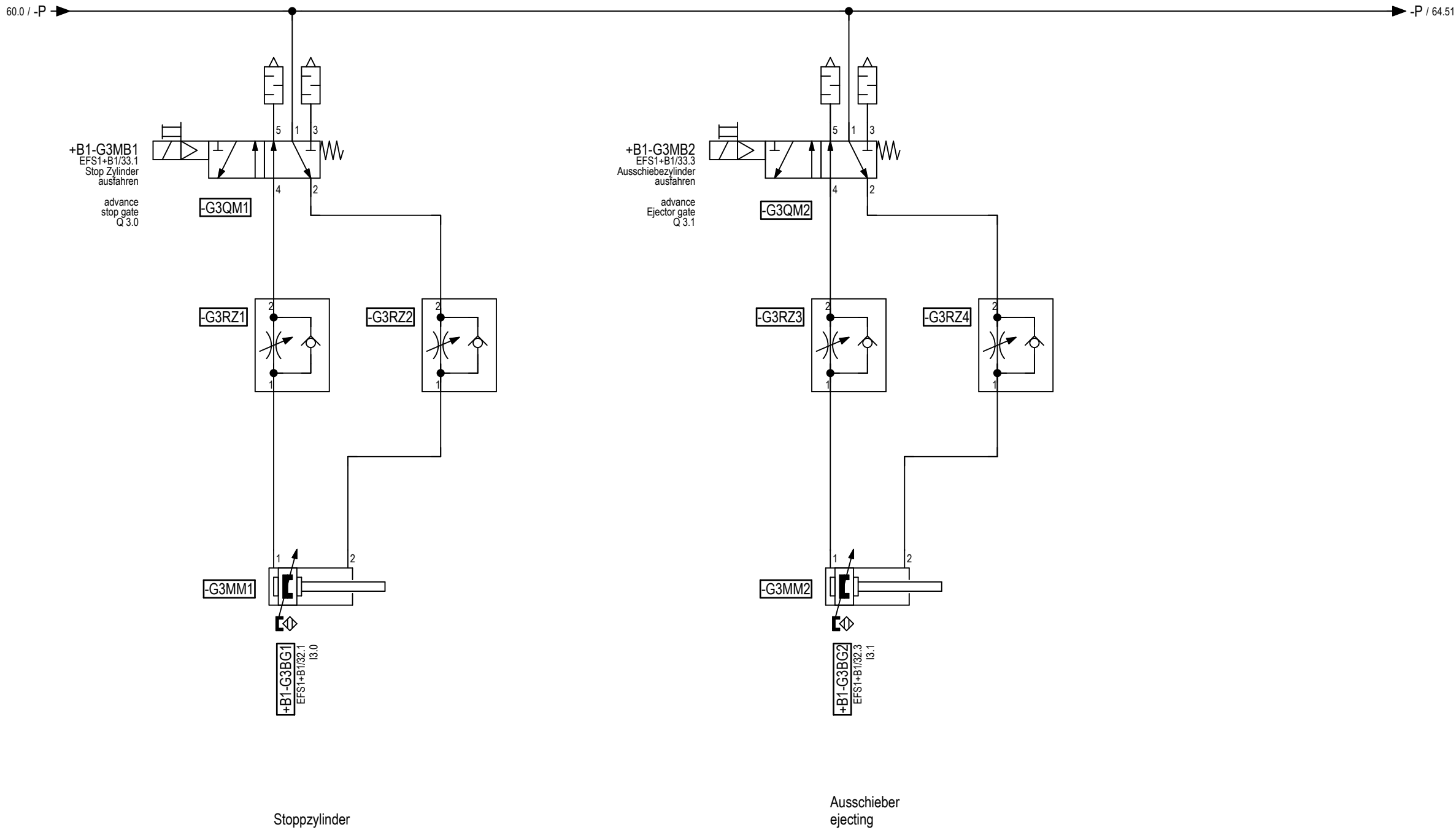


Date	2025-03-24	Festo Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf				MPS Modul Messen Pro pn -G2 MPS Measuring Pro module pn -G2		Part number			
Ed. by.	kshc							8137077			
Creat.	kshc							PSP / DPJ VN			
Drw.No.		N:	F:	V: 2025.0.3	Z:\INT\Data\EPLAN\DATA_xx\DE\Projects\Didactic\Products\28 MPS_D\MPS-400_TN 8137077- Messen Pro.elk				= B1	Measuring	Page 61
									+ K2	Pneumatics	of 64



Date	2025-03-24	FESTO MPS Modul Messen Pro pn -G2 MPS Measuring Pro module pn -G2				Part number 8137077					
Ed. by.	kshc					PSP / DPJ		VN	= B1	Measuring	Page 62
Creat.	kshc					D-73770 Denkendorf		+ K2		Pneumatics	of 64
Drw.No.		N:	F:	V: 2025.0.3	Z:\INT\Data\EPLAN\DATA_xx\DE\Projects\Didactic\Products\28 MPS_DIMPS-400_TN 8137077- Messen Pro.elk						

Diese Zeichnung ist Eigentum der Festo Didactic SE
This drawing is the property of Festo Didactic SE



Diese Zeichnung ist Eigentum der Festo Didactic SE This drawing is the property of Festo Didactic SE

