



&EAB/2 >>

Date	2024-06-10	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf					Titel- / Deckblatt Title page/cover sheet	Part number 8207351		
Ed. by.	kshc							PSP / DPJ	VN	= C1
Creat.	kshc	N:	F:\FDMD\11DE	Version: 2024.0.3	Z:\INT\Data\IEPLAN\DATA_xx\IDE\Projects\Didactic\Products\28 MPS_D\MPS-D_TN 8207351 Lager V3.elk			+		of 51
Drw.No.										

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

&EAB

Inhaltsverzeichnis
Table of contents

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

Inhaltsverzeichnis

Table of contents

Anlage Plant	Dokument Document	Ort Location	Seite Page	Seitenbeschreibung Page description	Zusatzfeld supplementary field	Datum Date	Bearbeit. Edited by	x
=C1	&EAA		1	Titel- / Deckblatt Title page/cover sheet		2024-06-10	kshc	X
=C1	&EAB		2	Übersicht overview		2024-06-10	kshc	
=C1	&EAB		3	Inhaltsverzeichnis Table of contents		2024-11-15	KSHC	
=C1	&EAB		4	Inhaltsverzeichnis Table of contents		2024-11-15	KSHC	
=C1	&EDB		5	Übersicht overview		2024-06-10	kshc	
=C1	&EDB		6	Strukturkennzeichenübersicht Structure identifier overview		2024-11-15	KSHC	
=C1	&EDB		7	Mini E/A-Terminal		2024-11-15	KSHC	
=C1	&EDB		8	C-Interface		2024-11-15	KSHC	
=C1	&EDB		9	Digital-I/O-Terminal (SysLink)		2024-11-15	KSHC	
=C1	&EDB		10	Aufbauplan Placement drawing		2024-06-10	kshc	
=C1	&EMA		11	Übersicht overview		2024-06-10	kshc	
=C1	&EMA		12	MPS Station Lager Bendienpult		2024-11-15	KSHC	
=C1	&EMA		13	MPS Station Lager		2024-11-15	KSHC	
=C1	&EFS1	+S1	14	Übersicht overview		2024-06-10	kshc	
=C1	&EFS1	+S1	15	Aufbauplan assembly		2024-11-15	KSHC	
=C1	&EFS1	+S1	16	Not-Halt Emergency-stop		2024-11-15	KSHC	
=C1	&EFS1	+S1	17	Eingänge Inputs		2024-11-15	KSHC	
=C1	&EFS1	+S1	18	Ausgänge outputs		2024-11-15	KSHC	
=C1	&EFS1	+S1	19	Steckverbinder Plug-in connection		2024-11-15	KSHC	
=C1	&EFS1	+S1	20	Eingänge Inputs		2024-11-15	KSHC	
=C1	&EFS1	+S1	21	Ausgänge Outputs		2024-11-15	KSHC	
=C1	&EFS1	+S1	22	Meldeleuchte Signal lamp		2024-11-15	KSHC	
=C1	&EFS1	+G2	23	Übersicht overview		2024-06-10	kshc	
=C1	&EFS1	+G2	24	Spannungsversorgung Power supply		2024-11-15	KSHC	
=C1	&EFS1	+G2	25	Labornetzteil		2024-11-15	KSHC	
=C1	&EFS1	+G2	26	Accesspoint		2024-11-15	KSHC	
=C1	&EFS1	+G2	27	Tablet		2024-11-15	KSHC	
=C1	&EFS1	+G2	28	Modul Band digital -G1		2024-11-15	KSHC	
=C1	&EFS1	+G2	29	Fügen Modul Band digital -X1XG1 Joining - Conveyor module digital -X1G1		2024-11-15	KSHC	
=C1	&EFS1	+G2	30	Erkennen -B1		2024-11-15	KSHC	
=C1	&EFS1	+G2	31	Erkennen -B1		2024-11-15	KSHC	
=C1	&EFS1	+G2	32	Lager Sation -C1XG1		2024-11-15	KSHC	
=C1	&EFS1	+U1	33	Übersicht overview		2024-07-05	kshc	

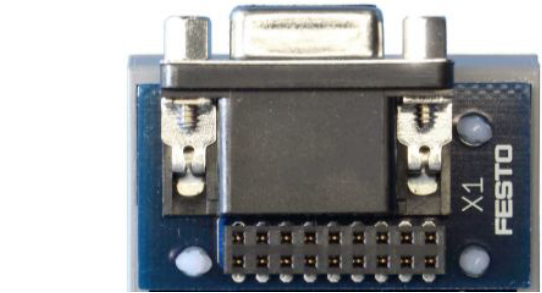
[illegible]

&EDB

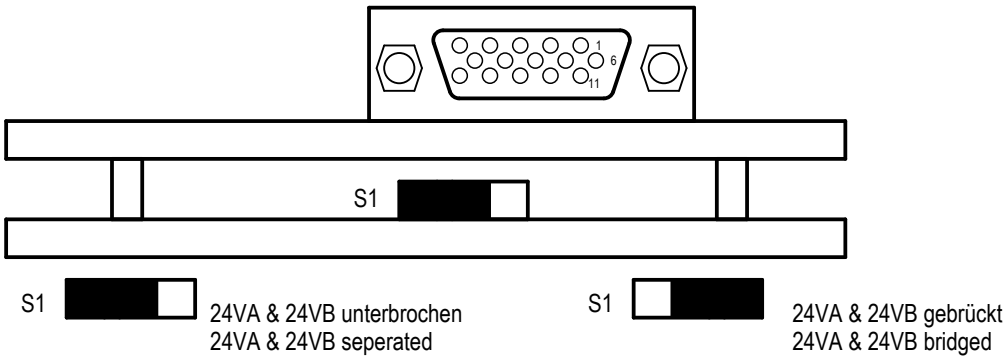
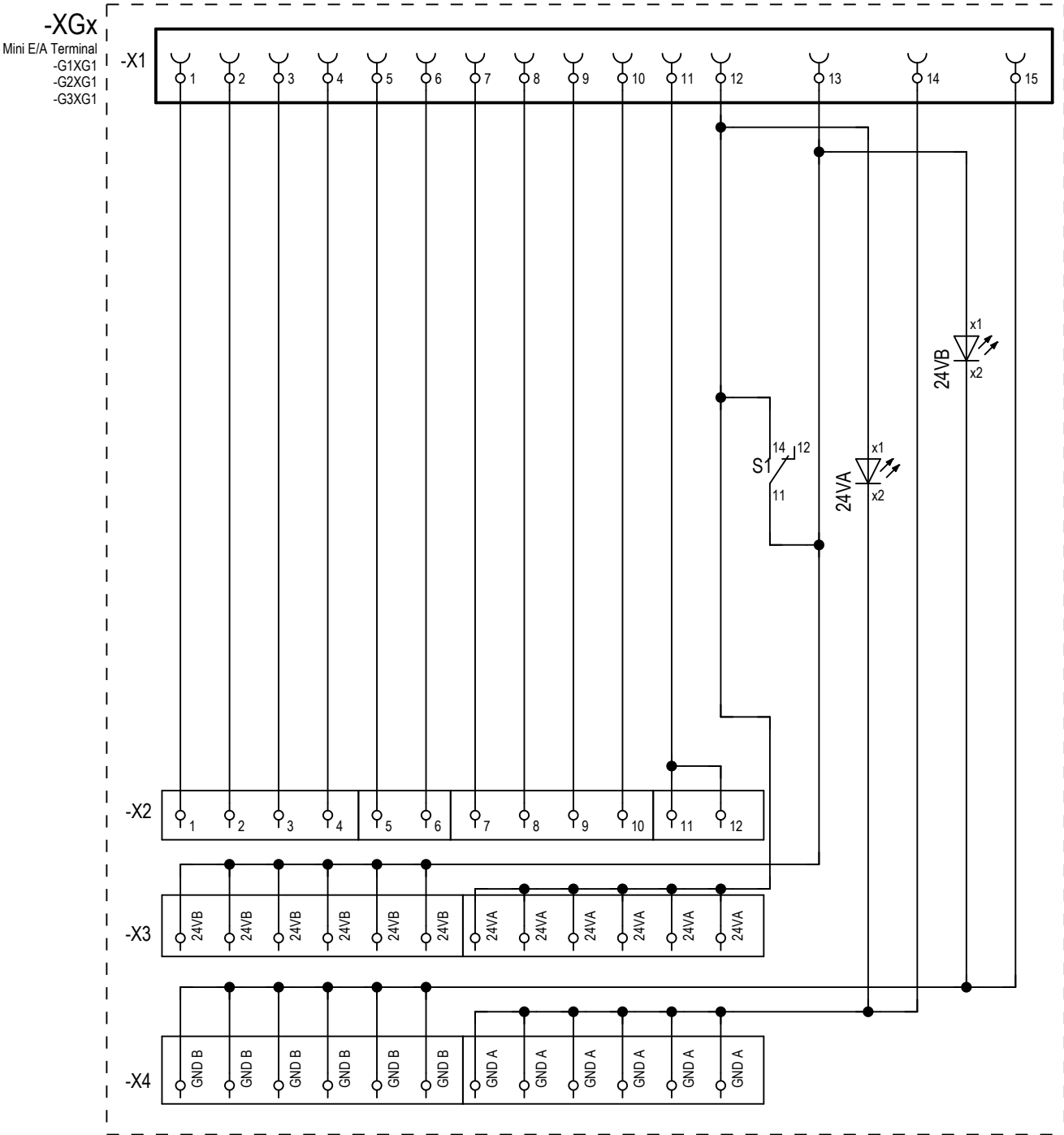
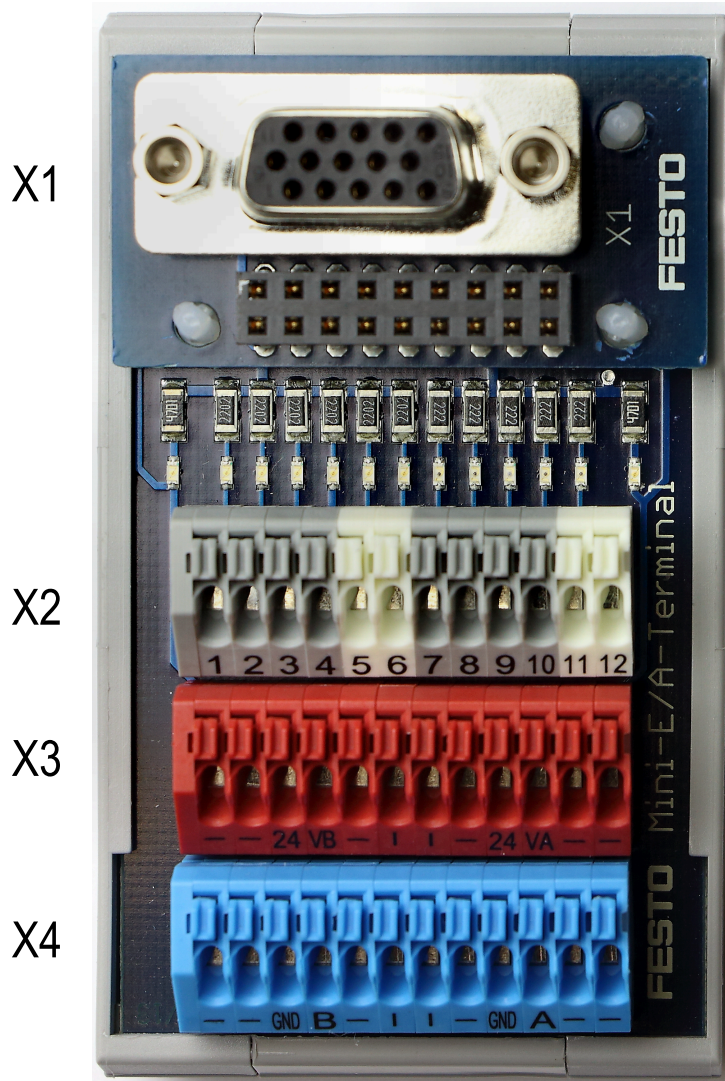
Übersicht Overview

Date	2024-06-10	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf				FESTO	Übersicht overview	Part number 8207351					
Ed. by.	kshc							PSP / DPJ		VN	= C1	Bearing	Page 5
Creat.	kshc							+					of 51
Drw.No.		N:	F:	Version: 2024.0.3	Z:\INT\Data\EPLAN\DATA_xx\DE\Projects\IDidactic\Products\28 MPS_D\MPS-D_TN 8207351 Lager V3.elk								

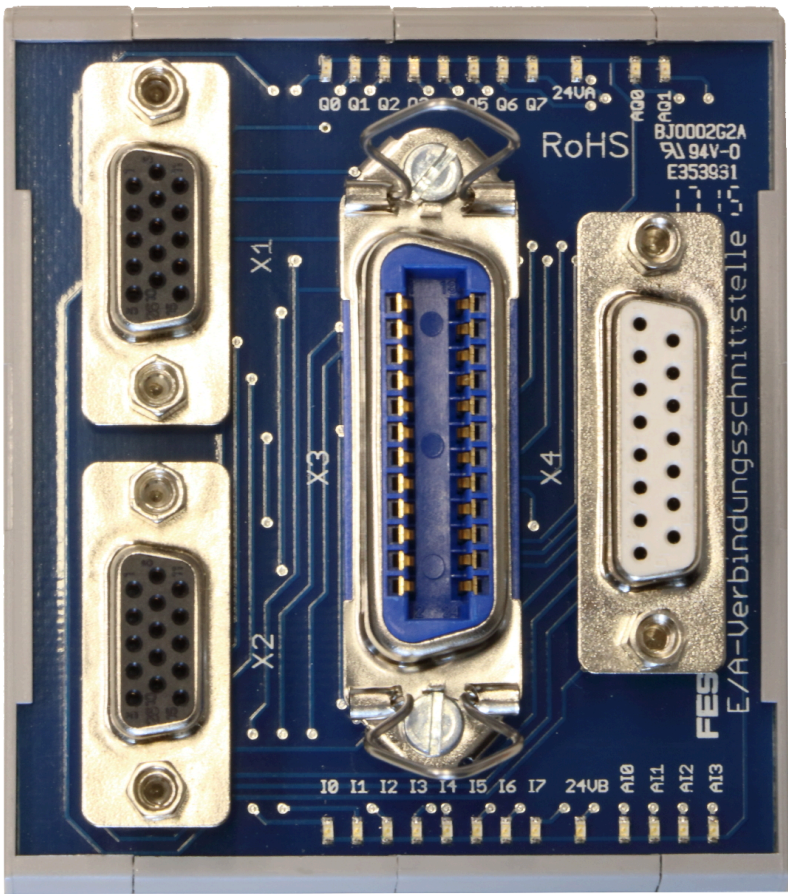
[illegible]



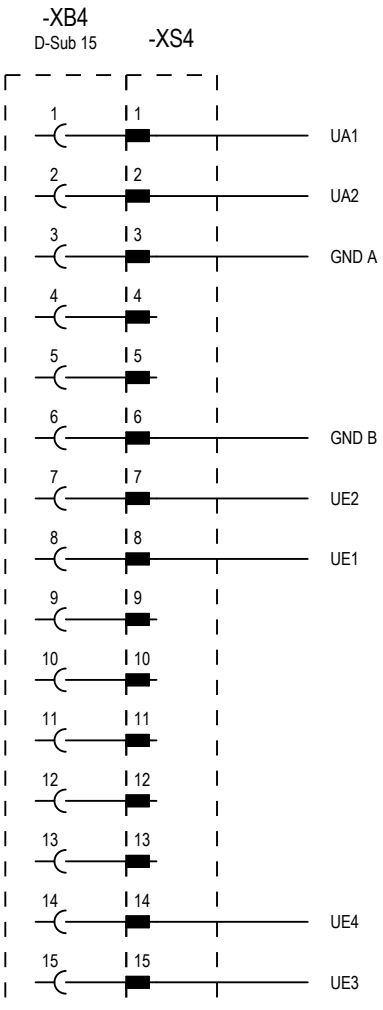
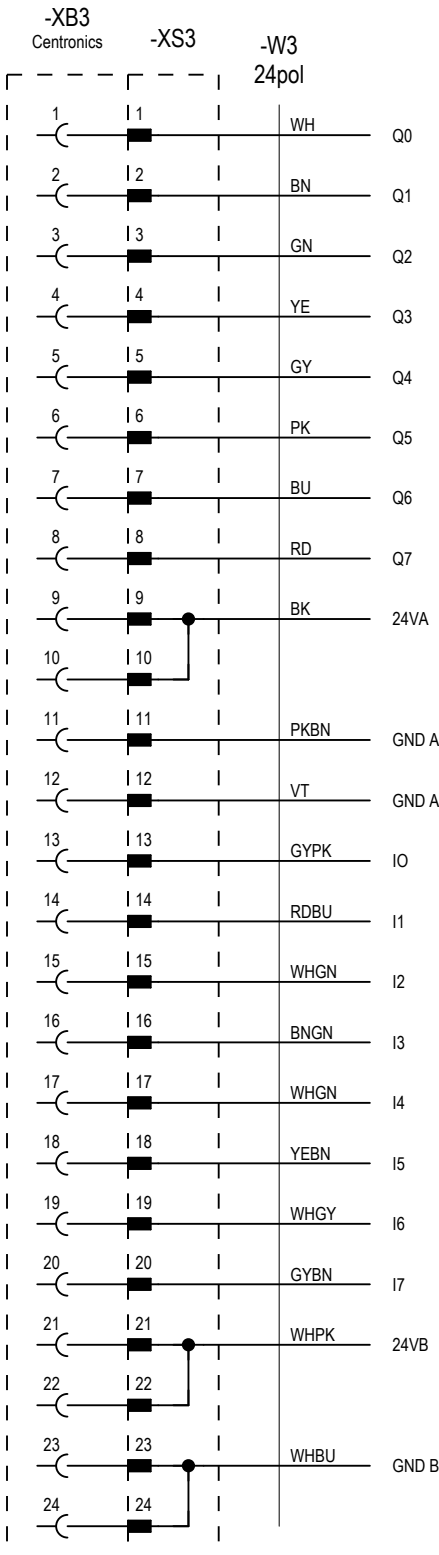
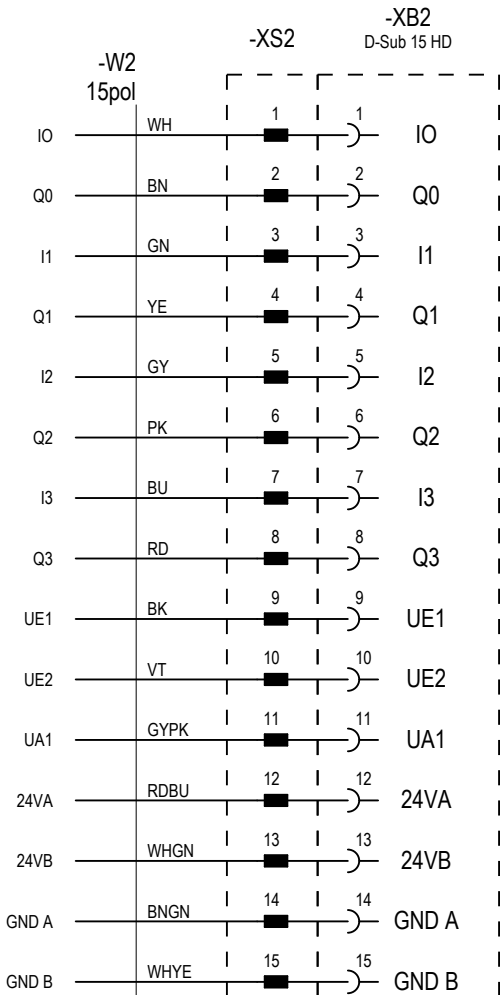
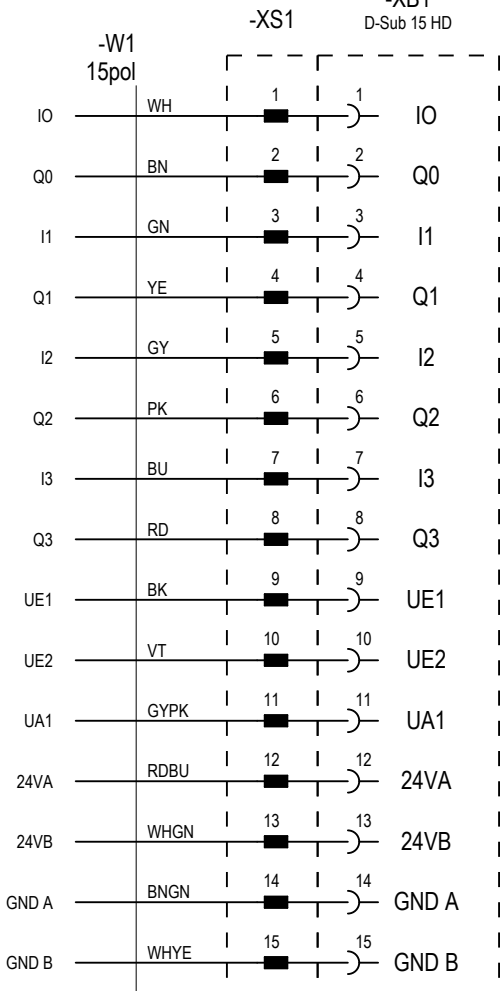
Alternativ Bauform
alternative configuration



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



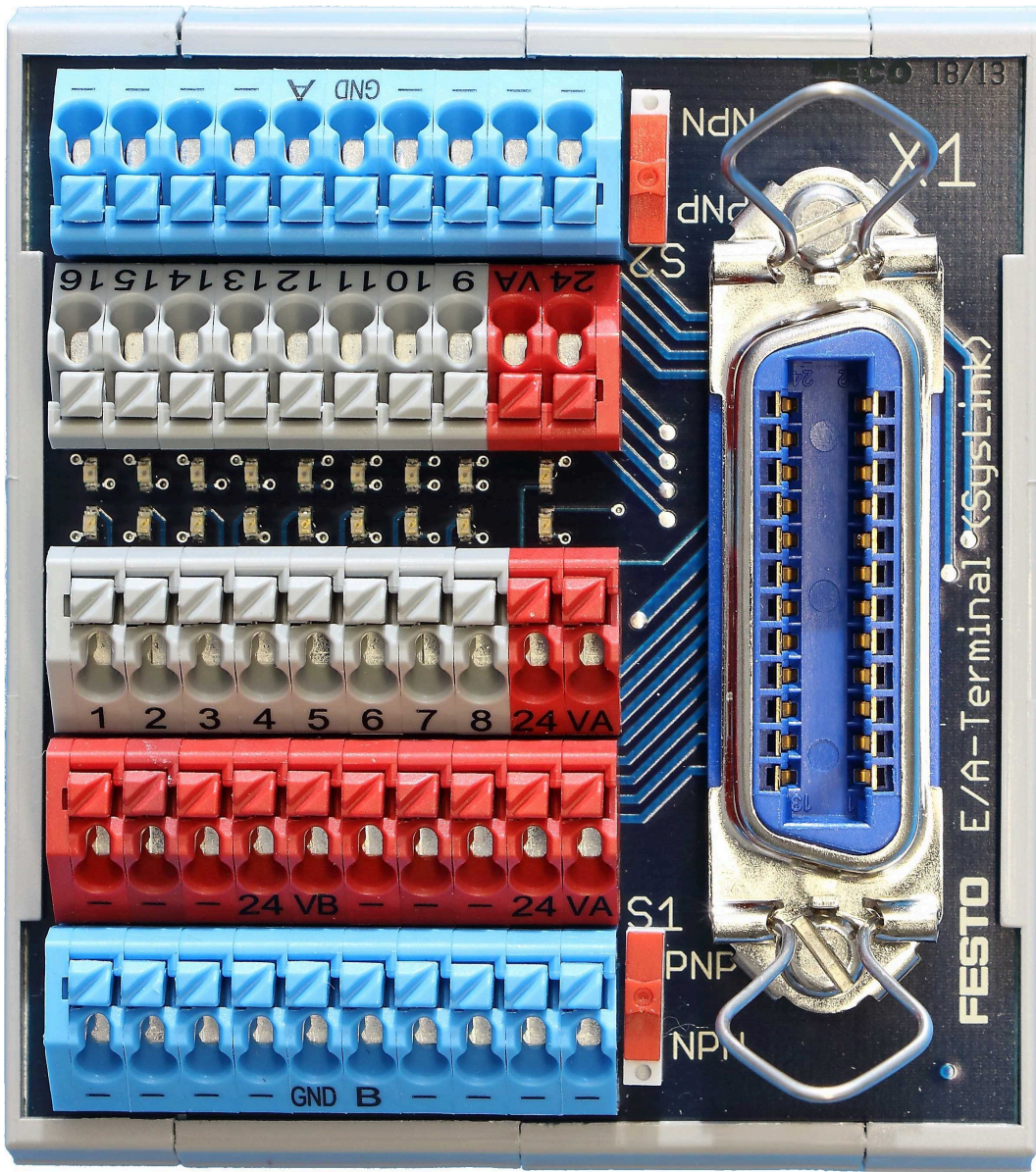
-XGc
C-interface
-X1XG1



<<7

9>>

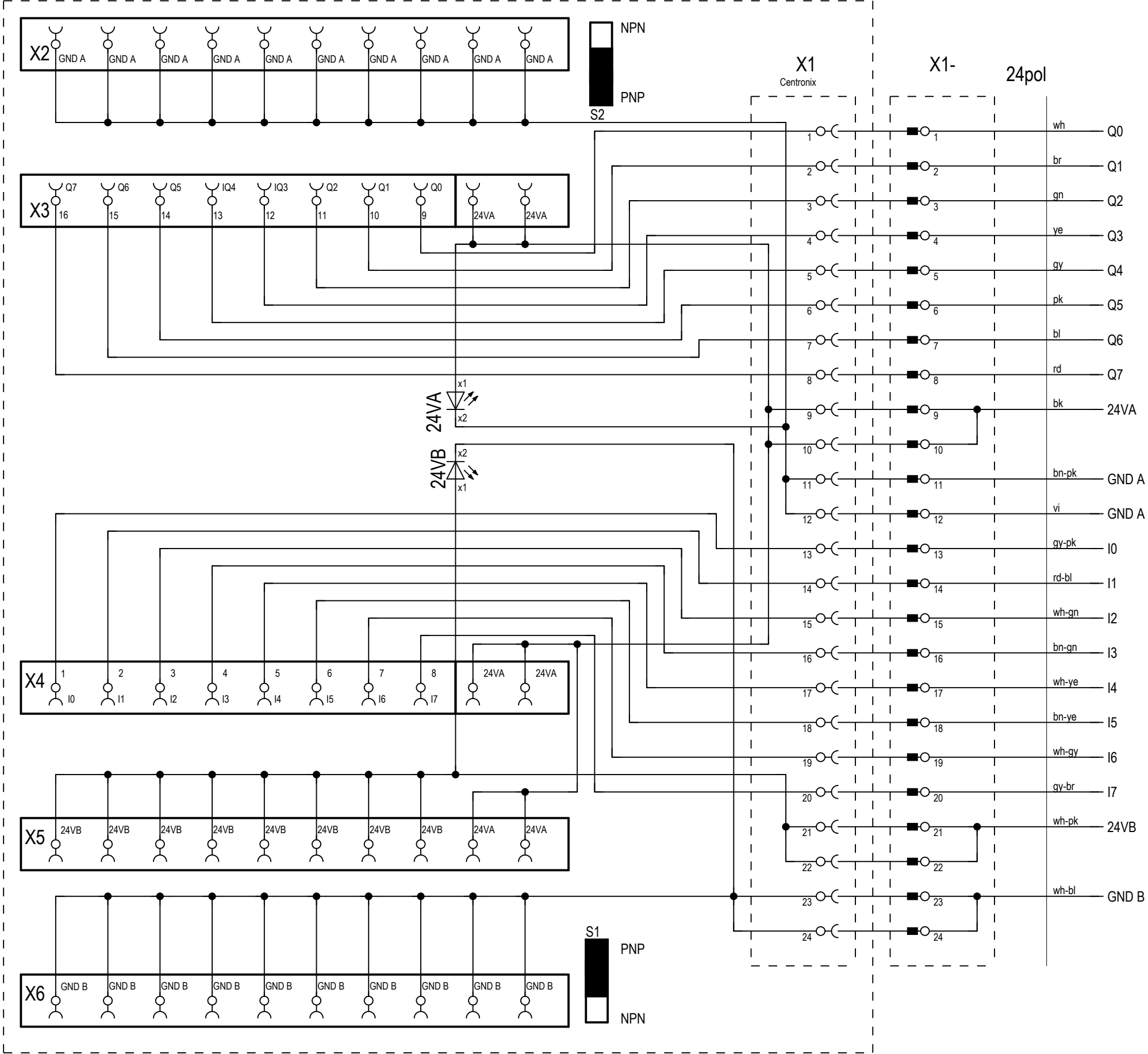
This drawing is the property of Festo Didactic SE
Diese Zeichnung ist Eigentum der Festo Didactic SE



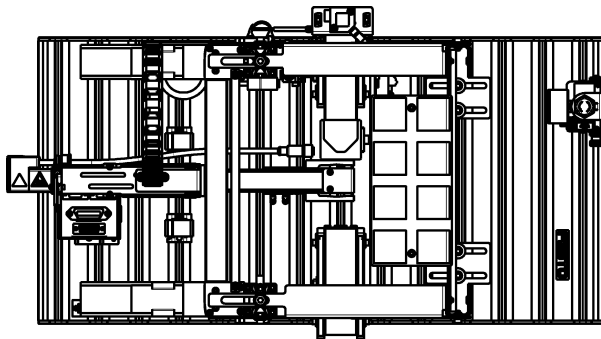
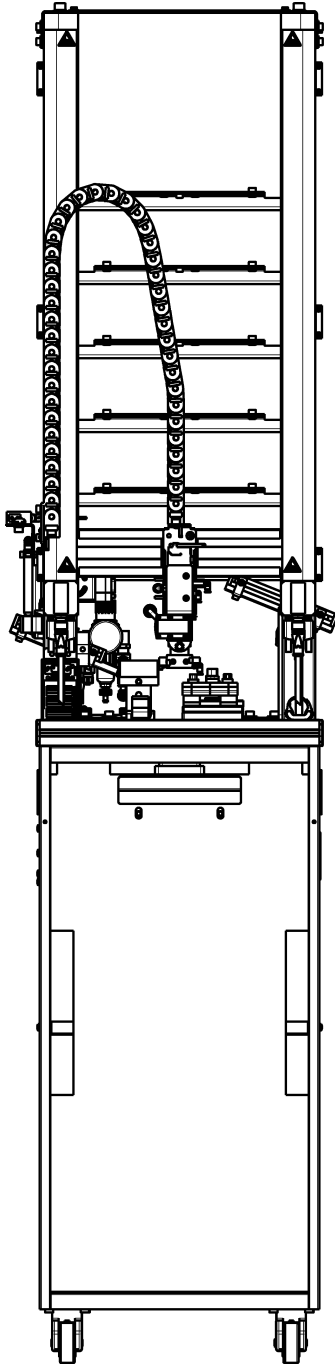
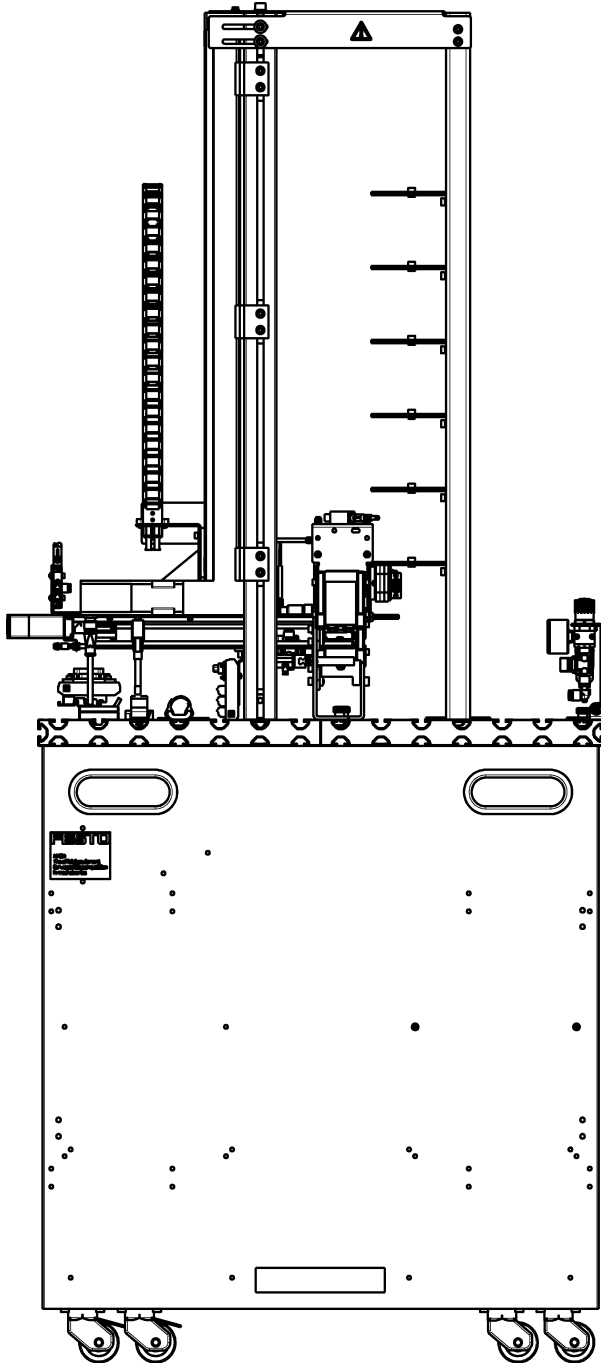
Digital-I/O-Terminal (SysLink)
digital-I/O-terminal (SysLink)
XG4

S1
Eingangs LEDs auf PNP umgeschaltet
input LEDs switched to PNP
Eingangs LEDs auf NPN umgeschaltet
input LEDs switched to NPN

S2
Ausgangs LEDs auf PNP umgeschaltet
output LEDs switched to PNP
Ausgangs LEDs auf NPN umgeschaltet
output LEDs switched to NPN



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



&EMA/11>>

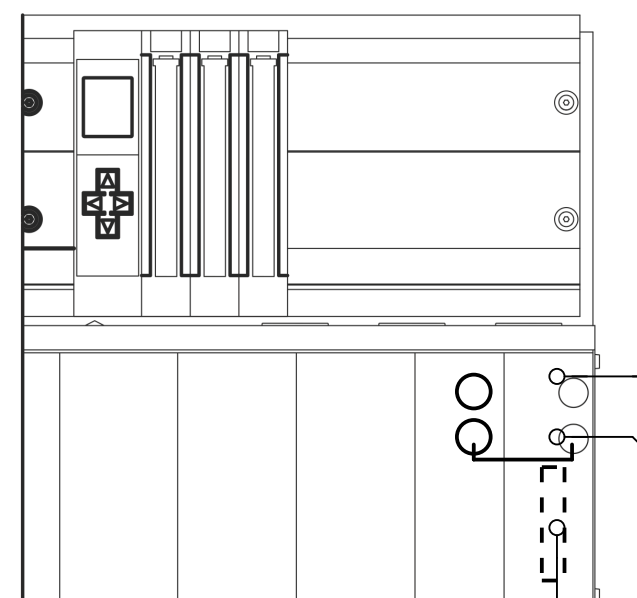
Date	2024-06-10	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf				FESTO Aufbauplan Placement drawing		Part number 8207351		= C1 Bearing		Page 10					
Ed. by.	kshc							PSP / DPJ VN									
Creat.	kshc																
Drw.No.		N:	F:	Version: 2024.0.3	Z:\INT\Data\EPLAN\DATA_xx\IDE\Projects\Didactic\Products\28 MPS_DIMPS-D_TN 8207351 Lager V3.elk				+		of 51						

This drawing is the property of Festo Didactic SE

&EMA

Übersichtsplan

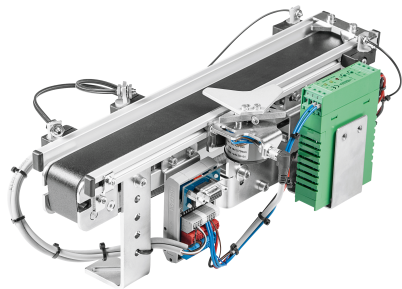
layout plan



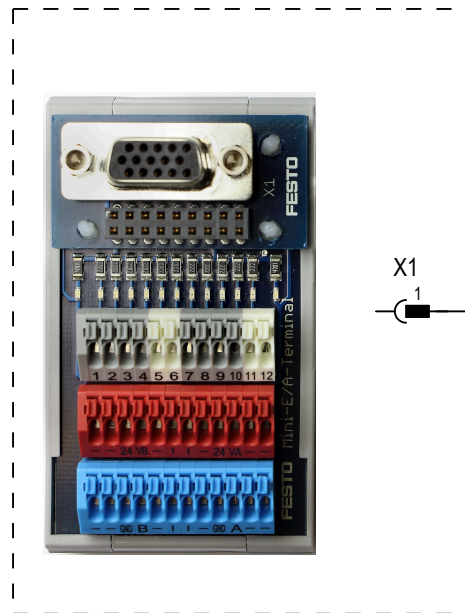
- Brücken entfernen
- Not -Aus anschließen
- Remove bridge
- Connect emergency off

Date	2024-11-15	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf			MPS Station Lager Bendienpult	Part number 8207351			
Ed. by.	KSHC					PSP / DPJ VN		= C1 Bearing	Page 12
Creat.	kshc							+ of	51
Drw.No.		N:	F:	Version: 2024.0.3	Z:\INT\DATA\EP\AN\DATA_xxi\DE\Projects\Didactic\Products\28 MPS_DIMPS-D_TN 8207351 Lager V3.elk				

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

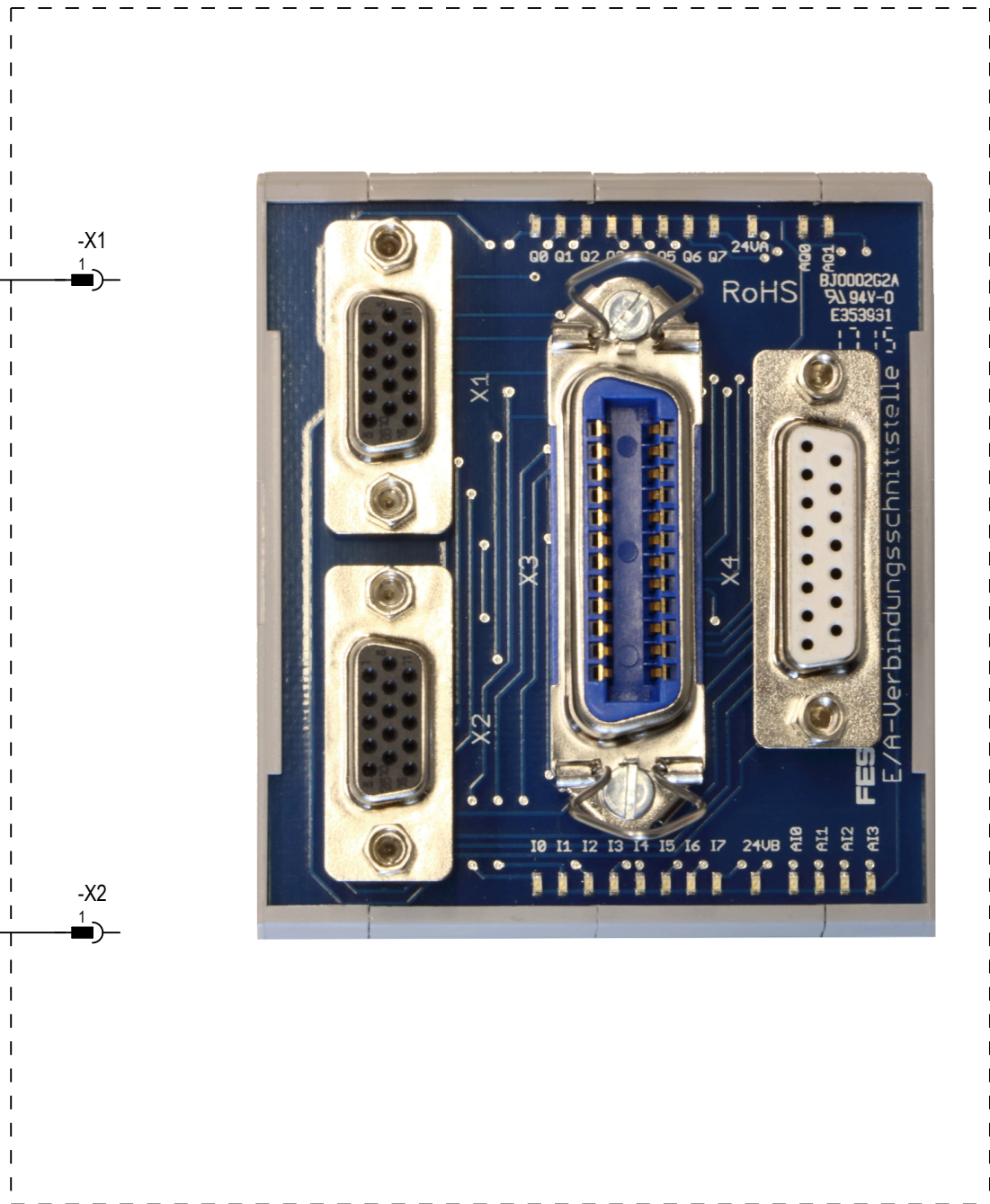


-G1XG1

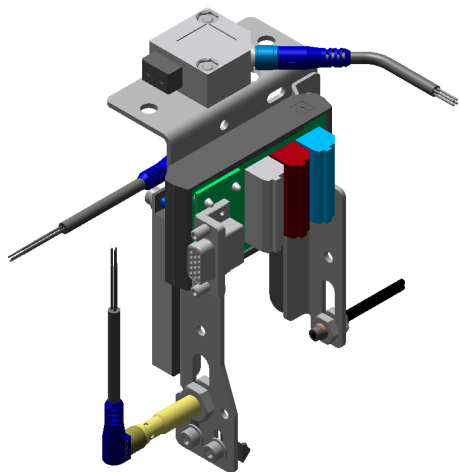


X1

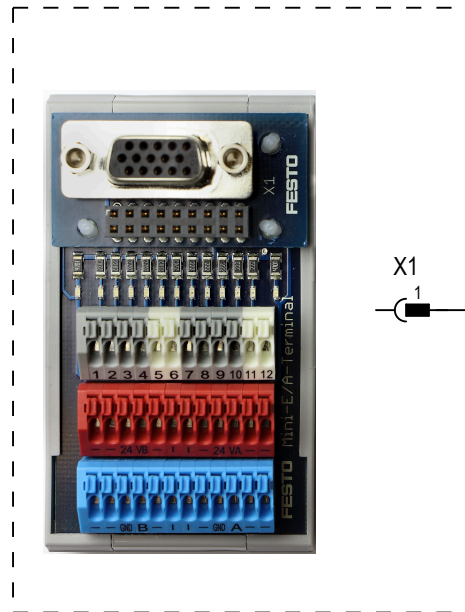
-V1XG1



-X1



-B1XG1



X1

-X2

<<12

&EFS1+S1/14>>

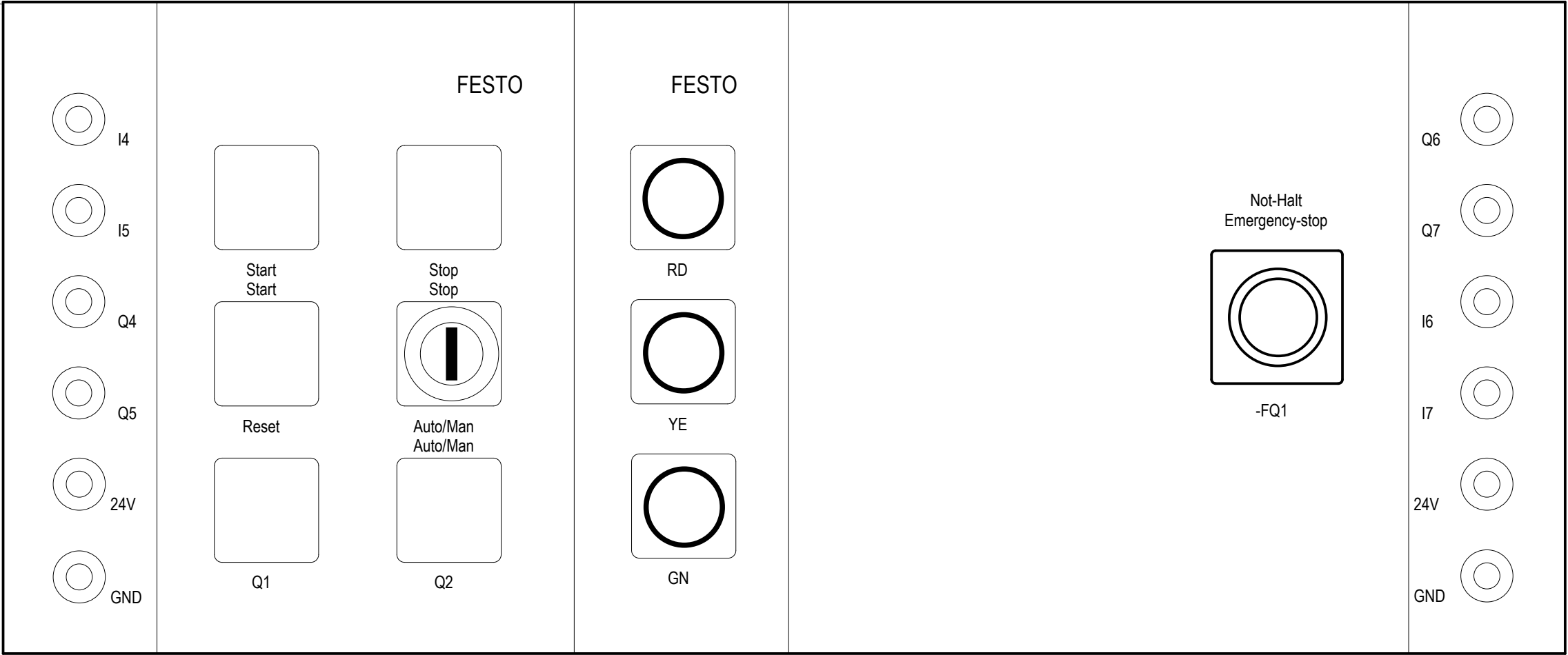
Date	2024-11-15	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf					MPS Station Lager	Part number 8207351		= C1 Bearing		Page 13	
Ed. by.	KSHC							PSP / DPJ VN				of 51	
Creat.	kshc												
Drw.No.		N:	F:	Version: 2024.0.3	Z:\INT\DATA\EPLAN\DATA_xx\IDE\Projects\Didactic\Products\28 MPS_D\MPS-D_TN 8207351 Lager V3.elk			+					

This drawing is the property of Festo Didactic SE

+S1

Bedienpult
Control desk

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



links

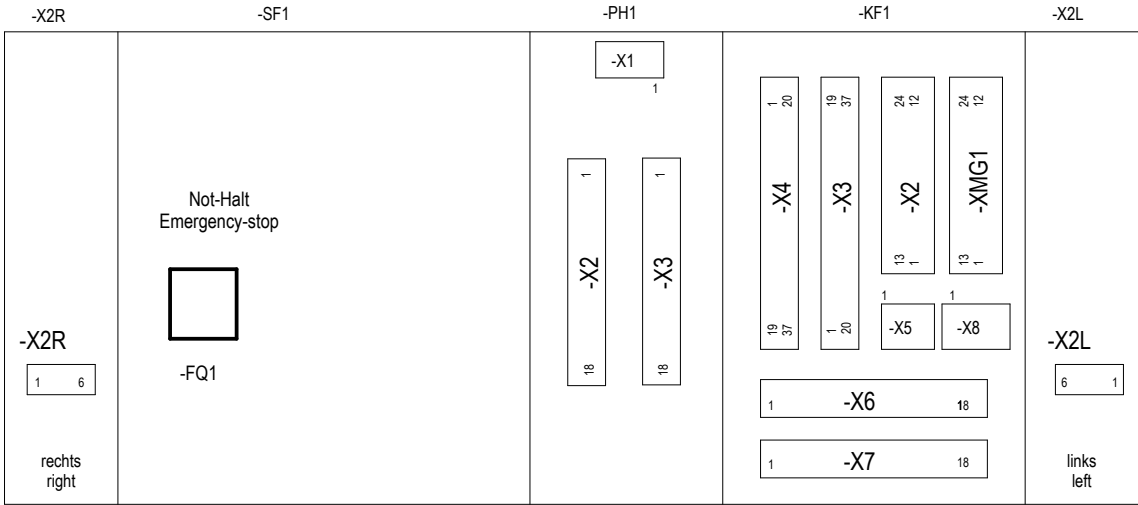
left

Vorderseite

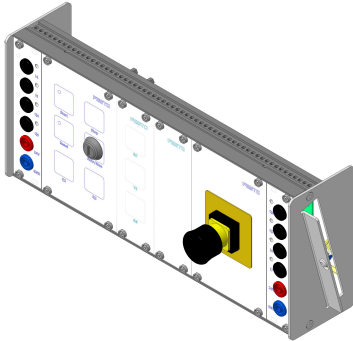
front view

rechts

right



RÜCKSEITE
rear view



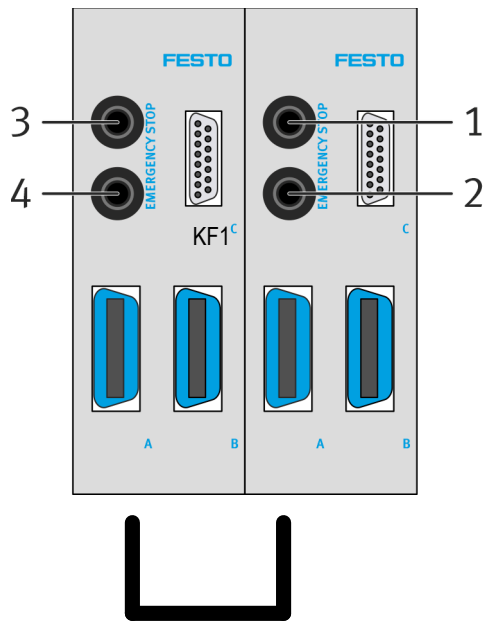
-XMG1=Syslink-Stecker Bedienpult
-XMG1=Syslink Plug control cabinet

<<14

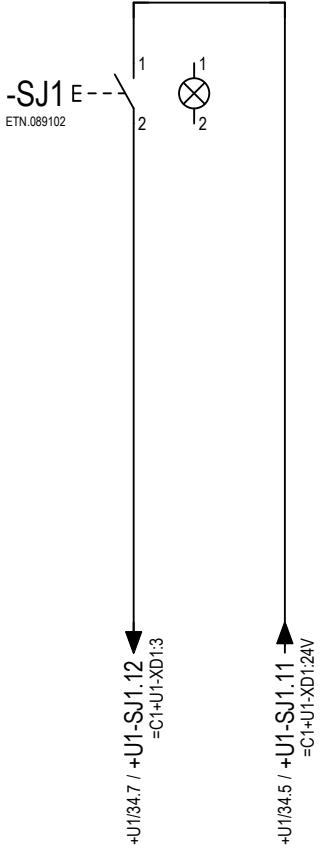
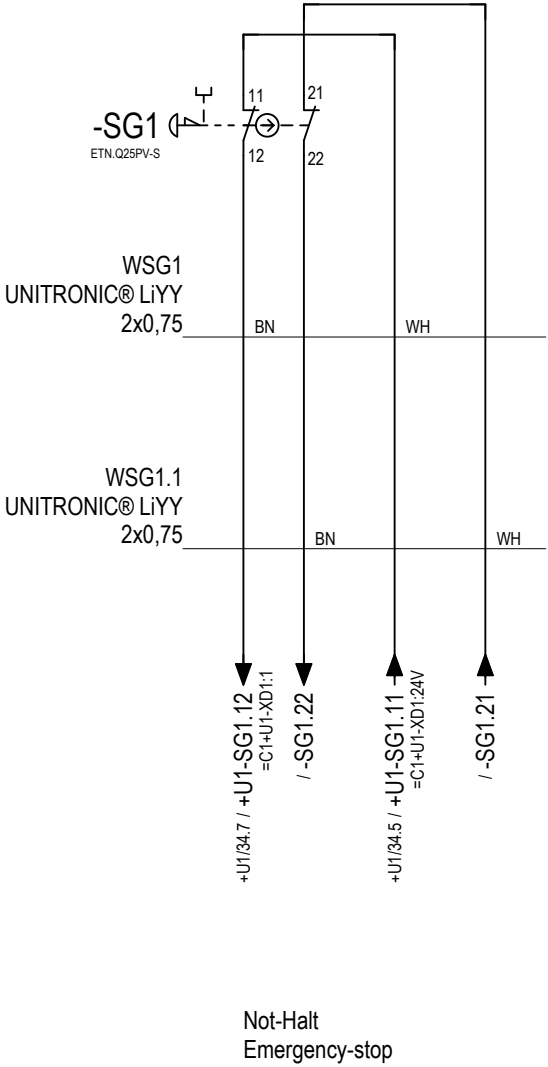
16>>

Date	2024-11-15	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf					Aufbauplan assembly	Part number 8207351					
Ed. by.	KSHC							PSP / DPJ VN		= C1 Bearing		Page 15	
Creat.	kshc									+ S1 Control desk		of 51	
Drw.No.		N:	F:	Version: 2024.0.3	Z:\INT\Data\EPLAN\DATA_xx\IDE\Projects\Didactic\Products\28 MPS_D\MP5-D_TN 8207351 Lager V3.elk								

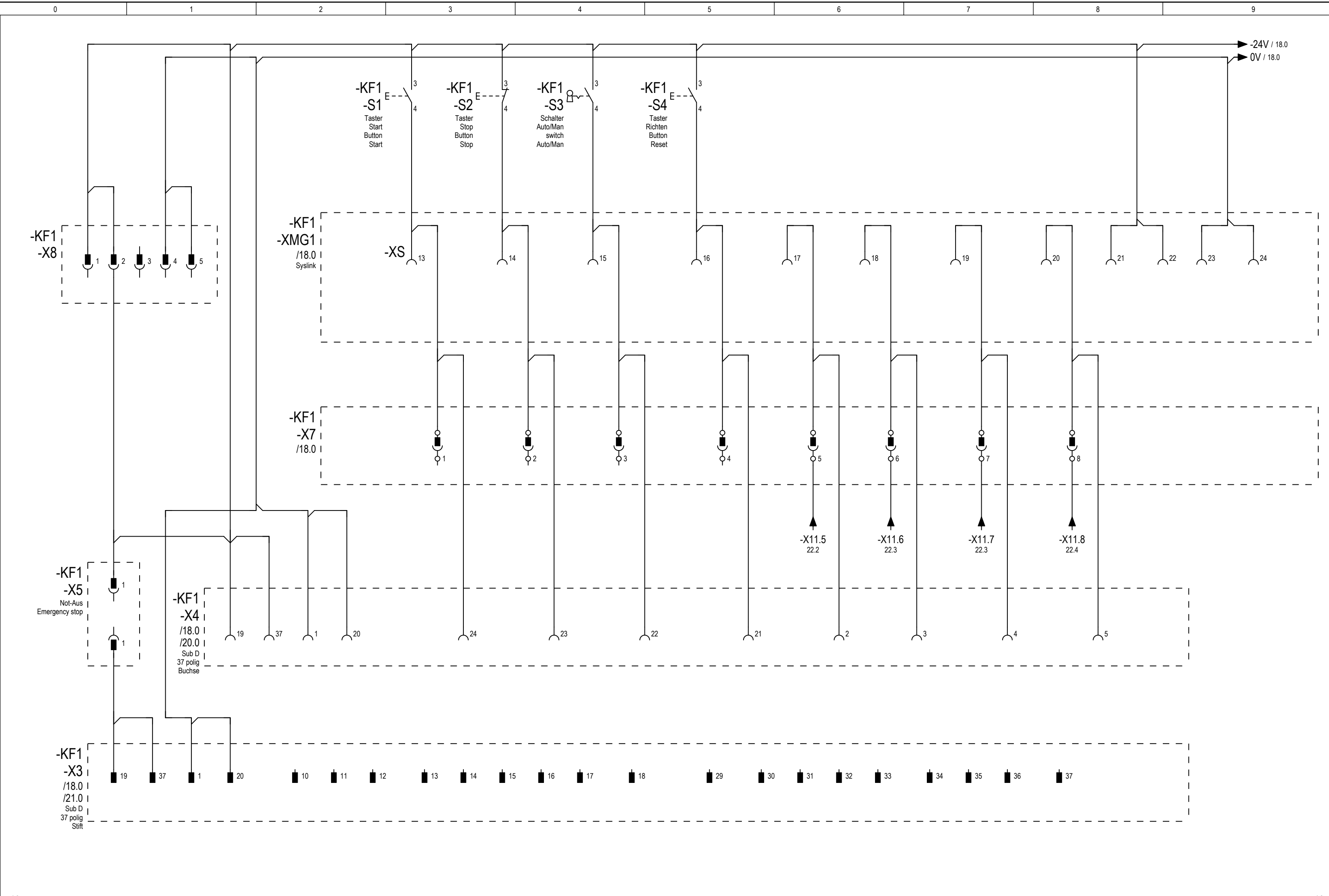
Diese Zeichnung ist Eigentum der Festo Didactic SE This drawing is the property of Festo Didactic SE



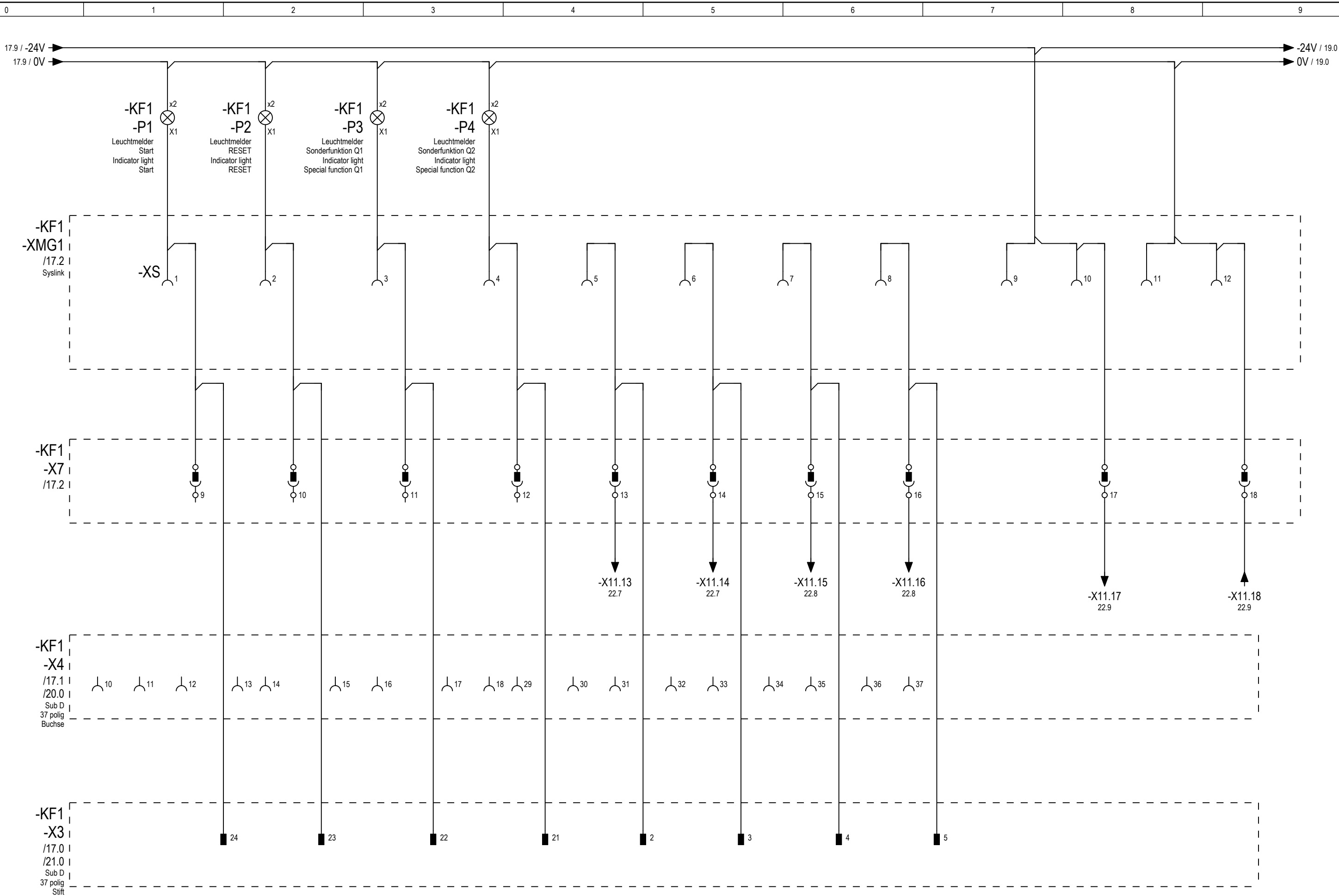
Brücke zwischen 2 & 4
jumper in between 2 & 4



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



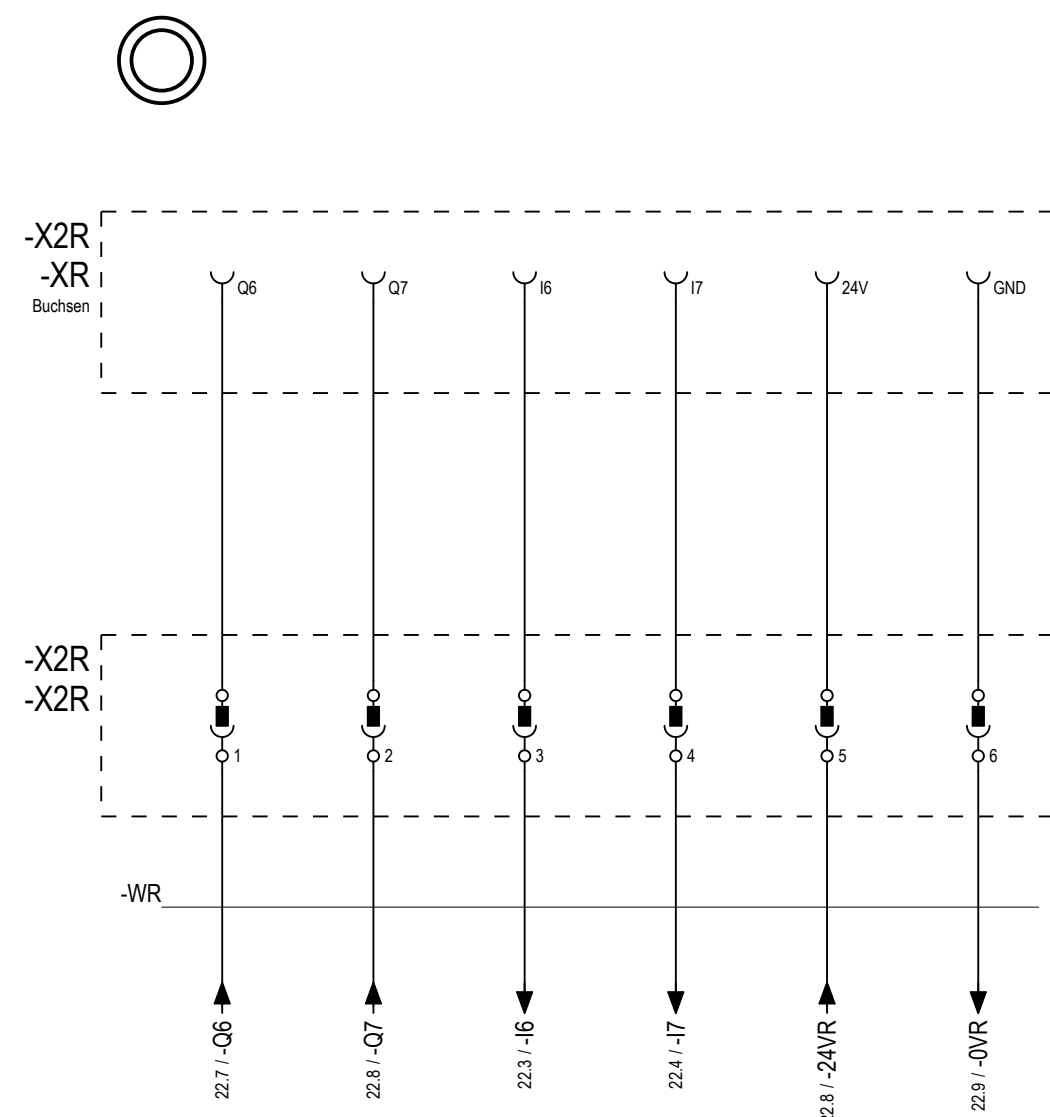
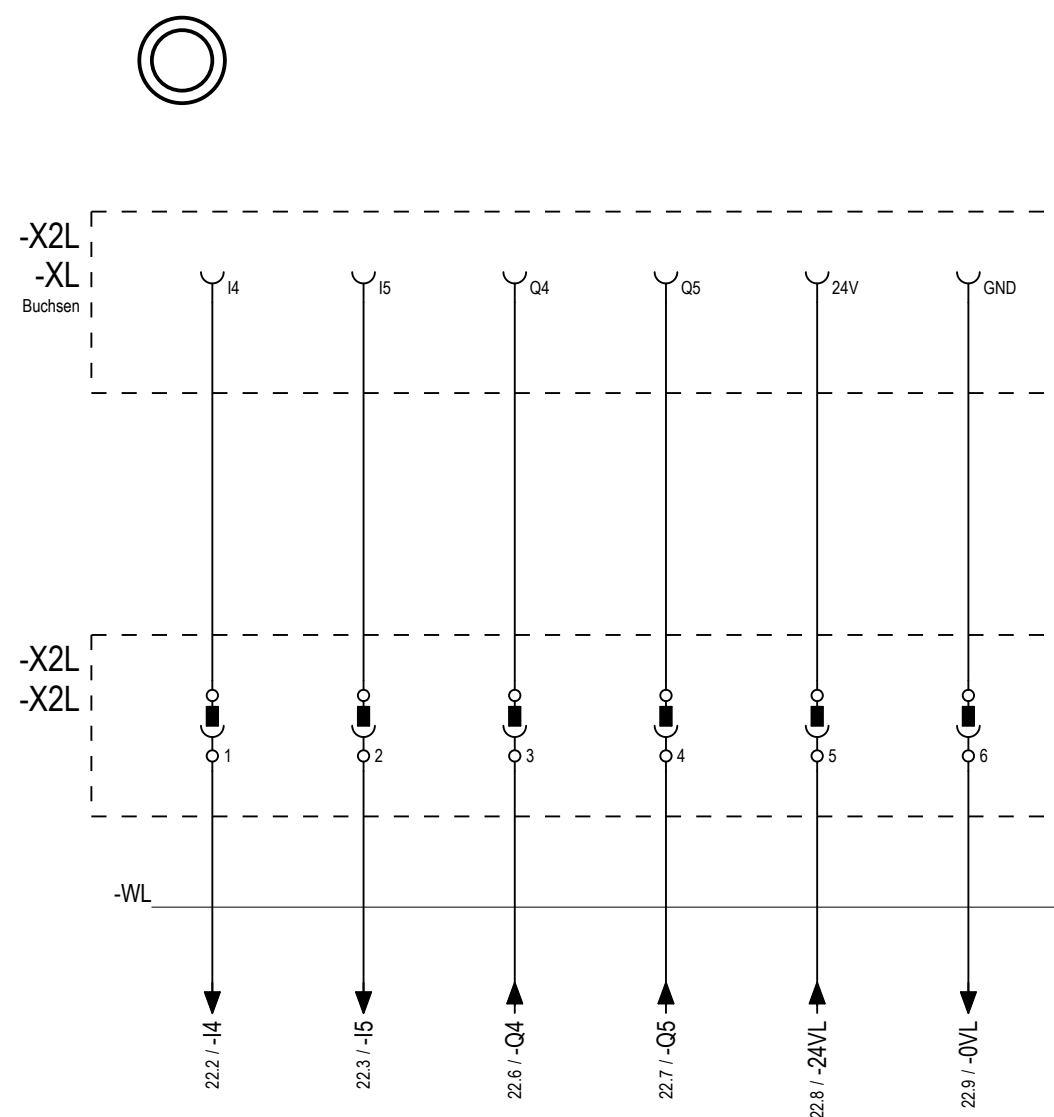
Diese Zeichnung ist Eigentum der Festo Didactic SE This drawing is the property of Festo Didactic SE



<<17

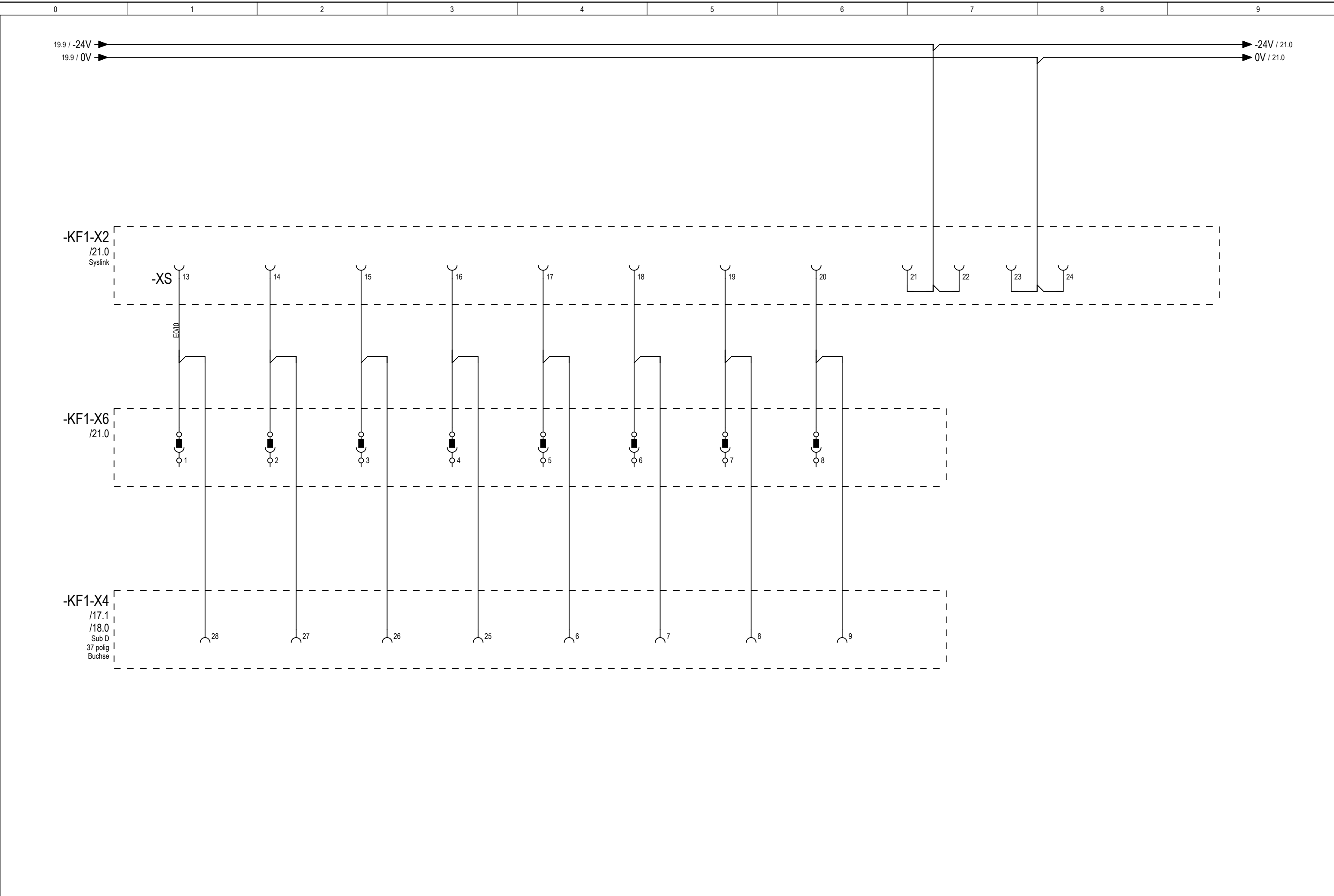
19>>

Date	2024-11-15	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf				FESTO	Ausgänge outputs	Part number 8207351			
Ed. by.	KSHC							PSP / DPJ VN		= C1 Bearing	Page 18
Creat.	kshc									+ S1 Control desk	of 51
Drw.No.		N:	F:	Version: 2024.0.3	Z:\INT\Data\EPLAN\DATA_xx\IDE\Projects\Didactic\Products\28 MPS_D\MP5-D_TN 8207351 Lager V3.elk						

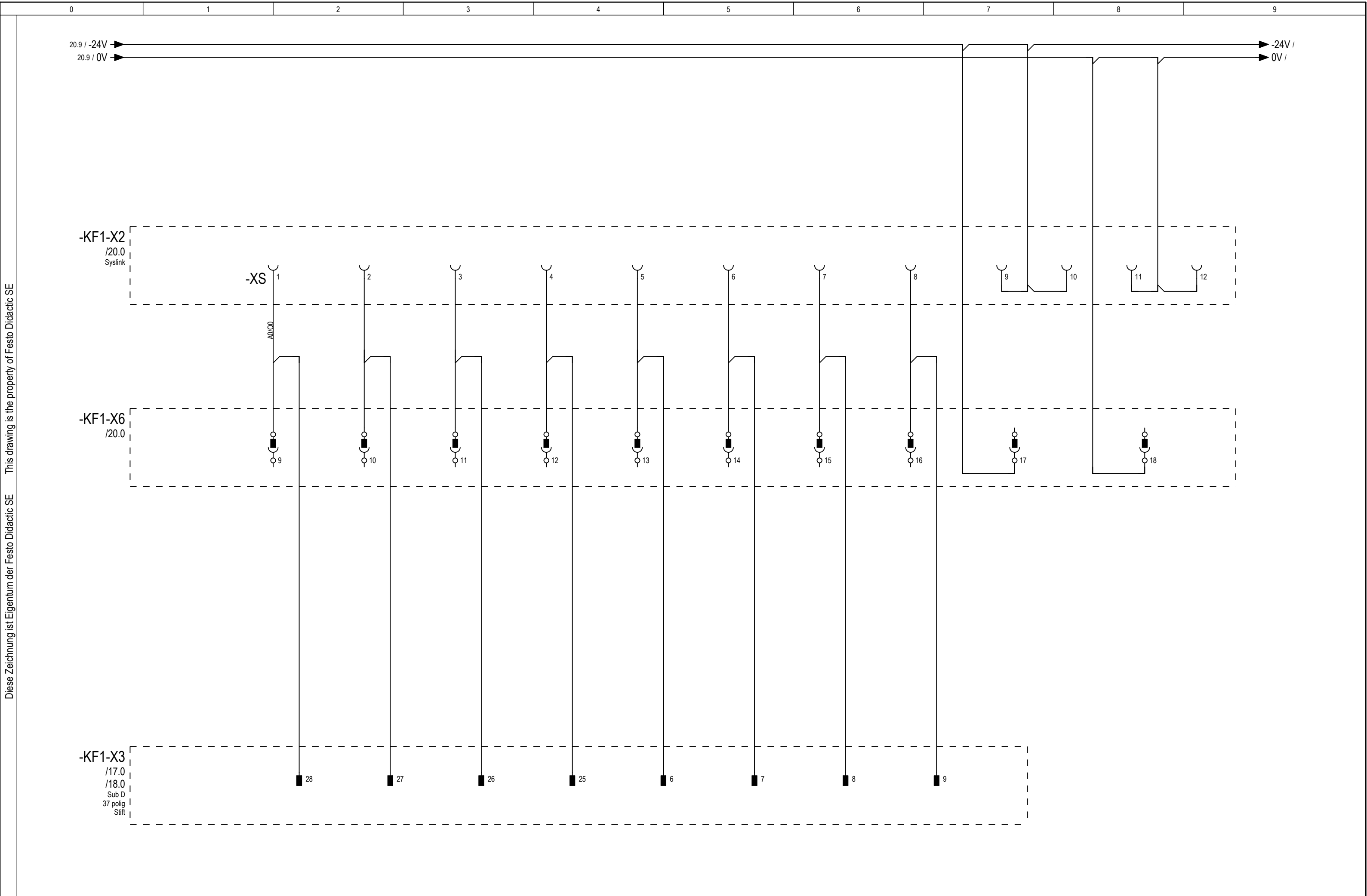


Date	2024-11-15	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf					Steckverbinder Plug-in connection	Part number					
Ed. by.	KSHC							8207351					
Creat.	kshc							PSP / DPJ VN		= C1 Bearing		Page 19	
Drw.No.		N:	F:	Version: 2024.0.3	Z:\INT\Data\EPLAN\DATA_xx\DE\Projects\Didactic\Products\28 MPS_DIMPS-D_TN 8207351 Lager V3.ek				+ S1 Control desk		of 51		

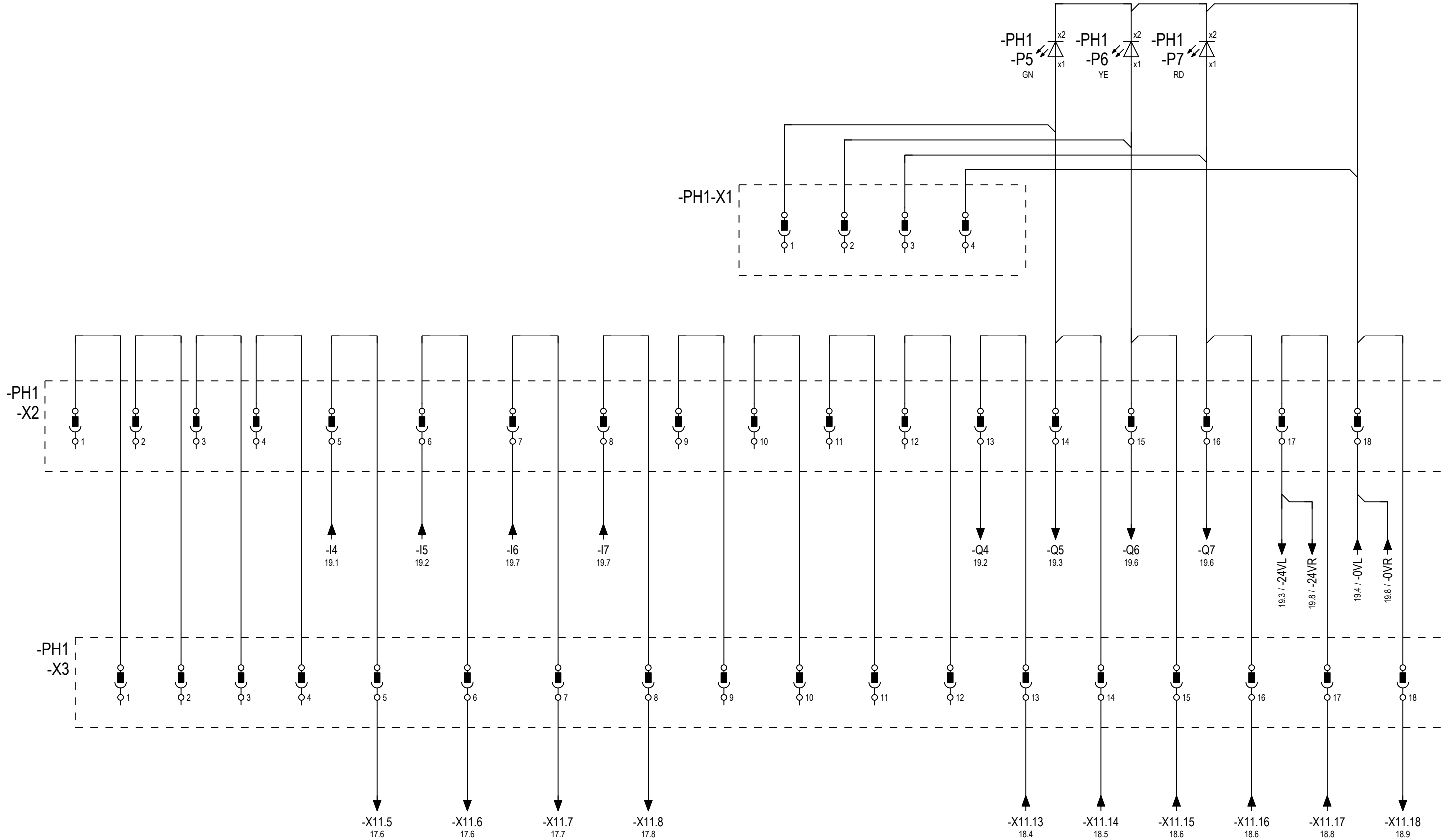
Diese Zeichnung ist Eigentum der Festo Didactic SE This drawing is the property of Festo Didactic SE



Diese Zeichnung ist Eigentum der Festo Didactic SE



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



<<21

+G2/23>>

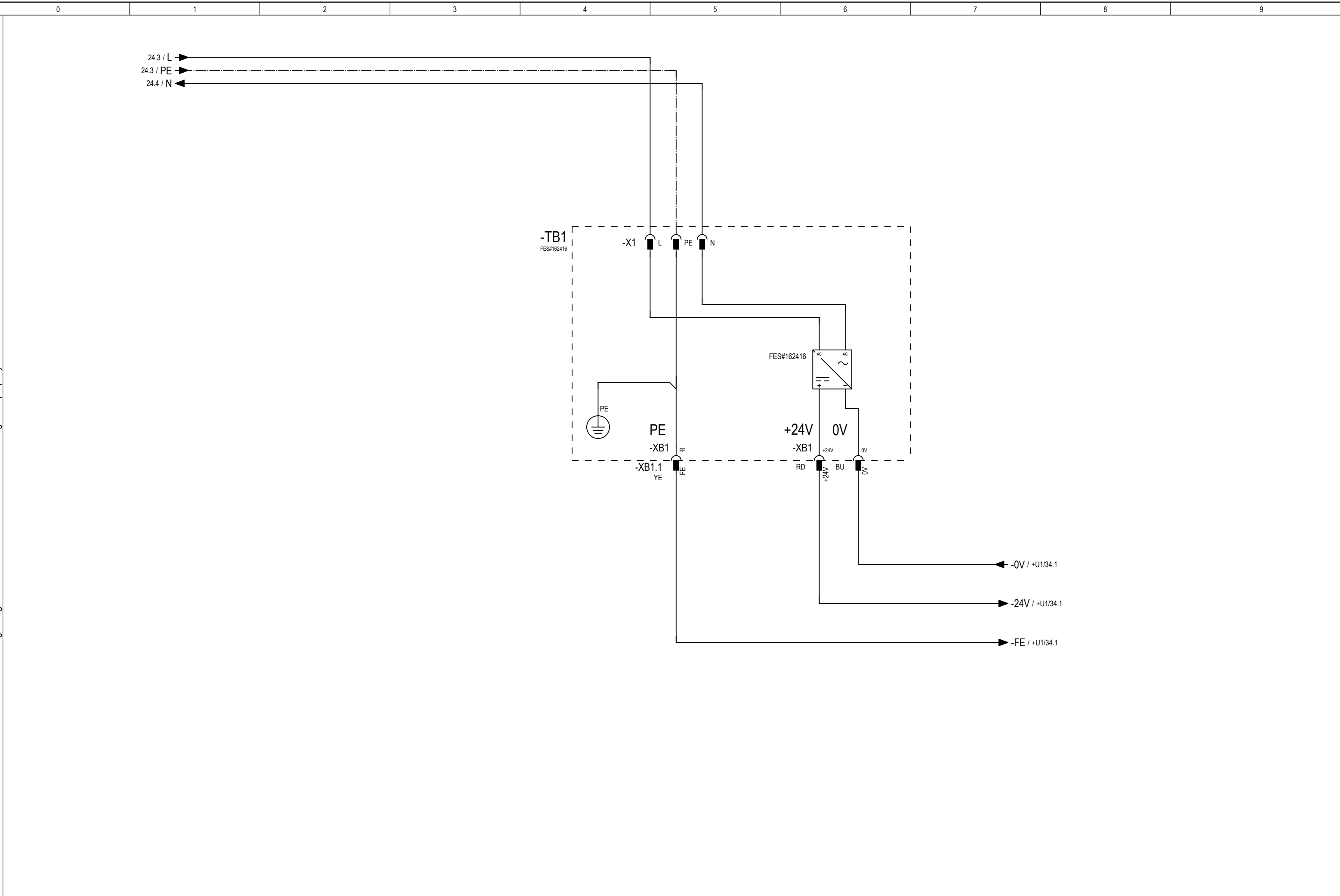
Date	2024-11-15	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf		FESTO Meldeleuchte Signal lamp		Part number 8207351			
Ed. by.	KSHC					PSP / DPJ VN		= C1	Bearing
Drw.No.		N:	F:	Version: 2024.0.3	Z:\INT\Data\EPLAN\DATA_xx\IDE\Projects\Didactic\Products\28 MPS_D\MPS-D_TN 8207351 Lager V3.elk			+ S1	Control desk
								Page 22	of 51

This drawing is the property of Festo Didactic SE

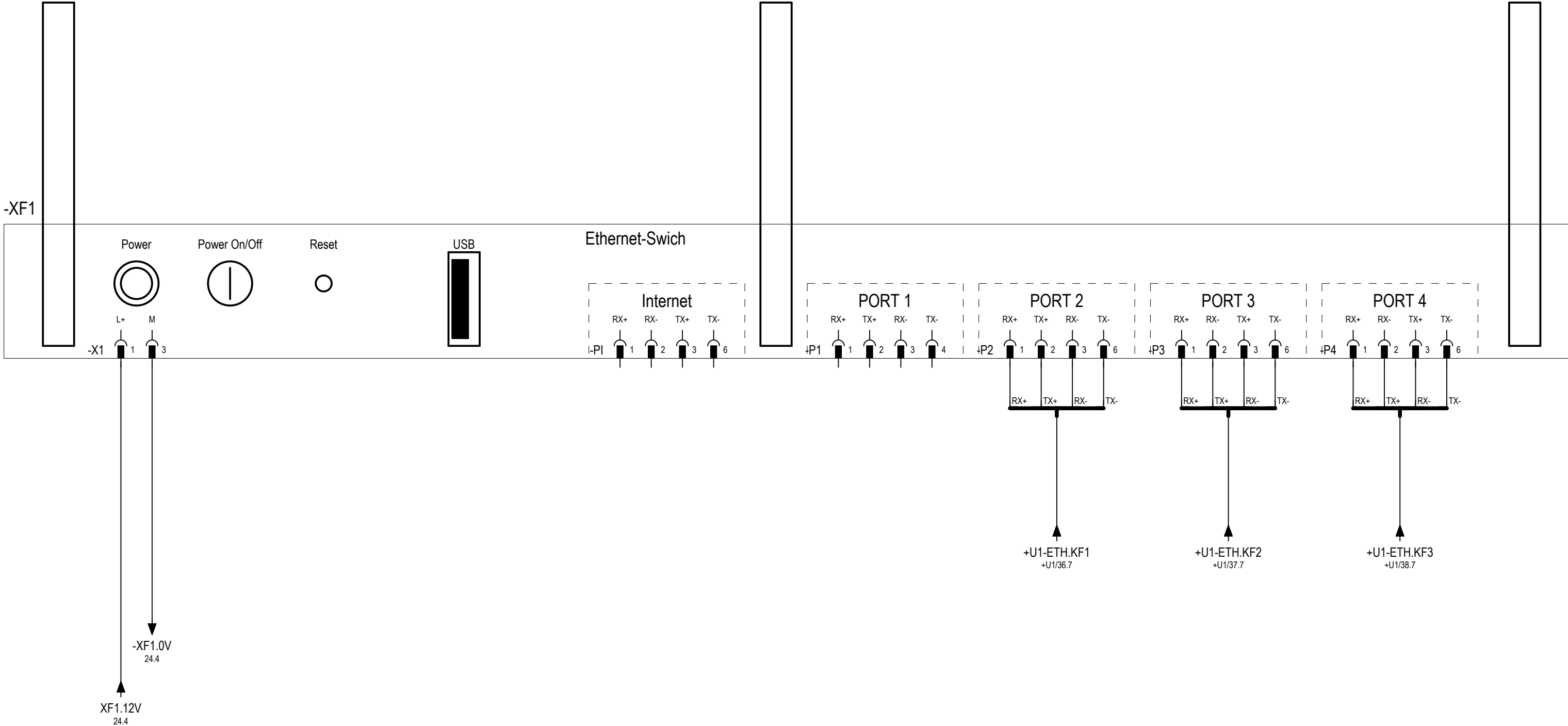
+G2

Lager
Bearing

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



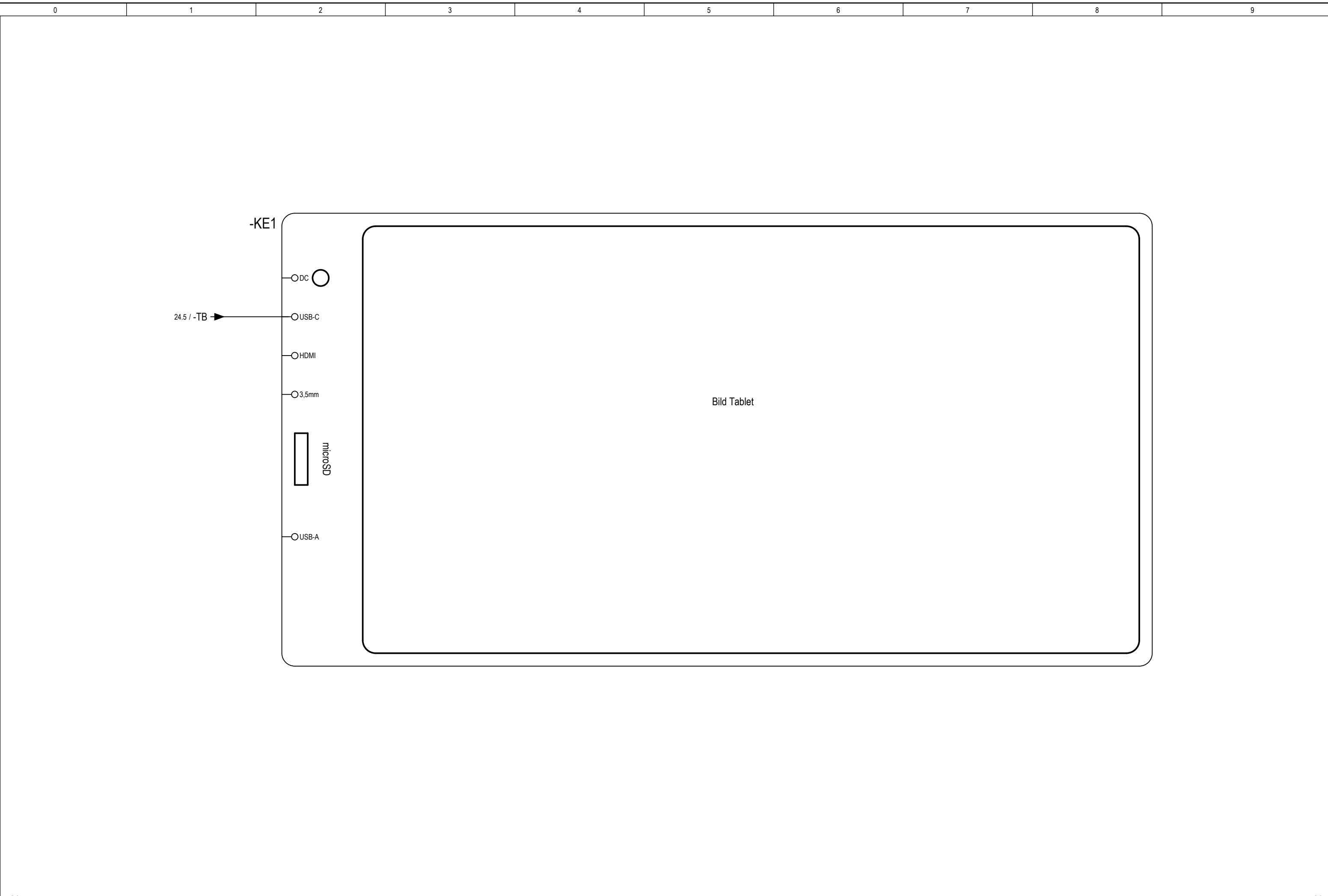
Reseve

<<25

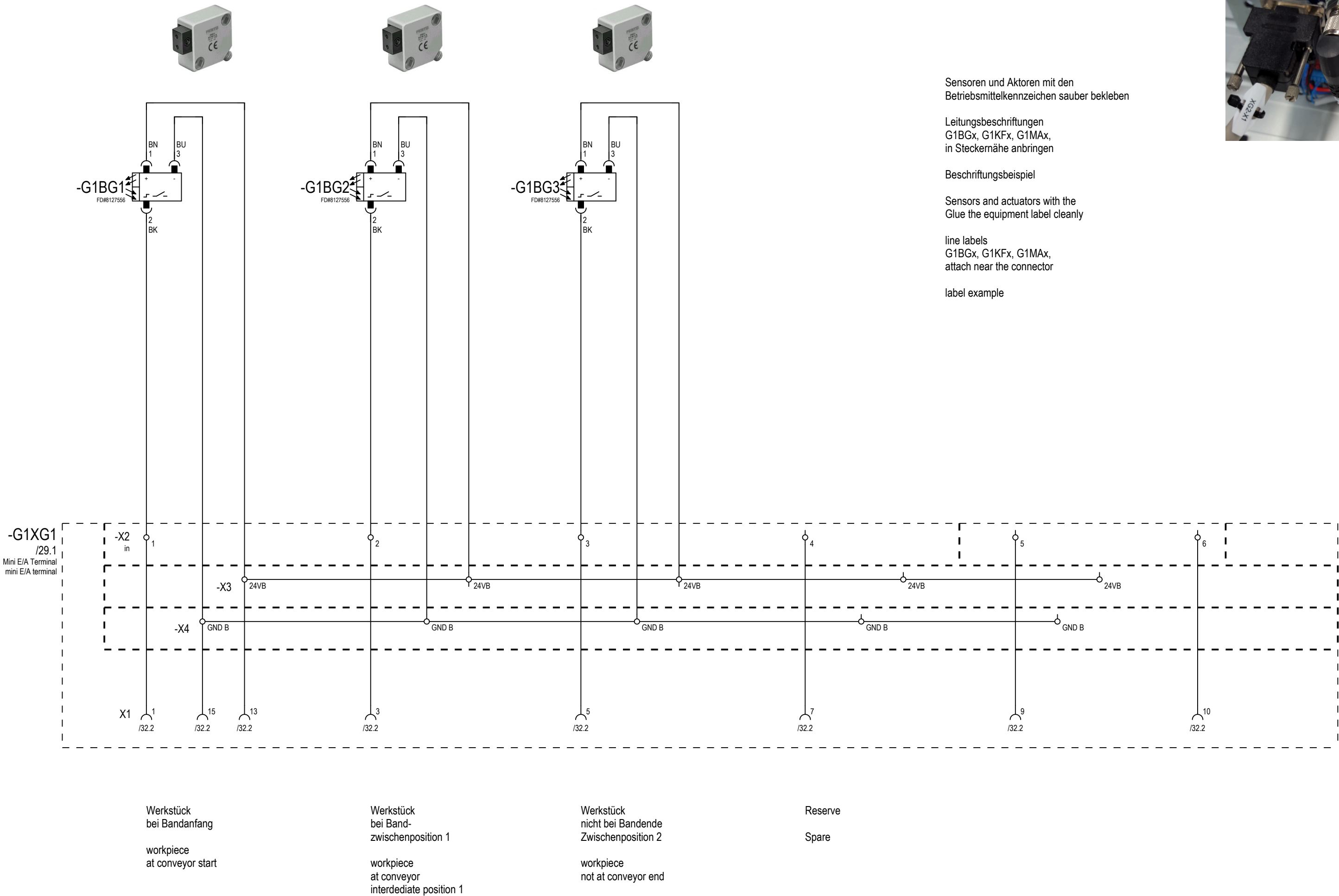
27>>

Date	2024-11-15	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf				Part number 8207351		= C1 Bearing		Page 26	
Ed. by.	KSHC										
Creat.	kshc										
Drw.No.		N:	F:	Version: 2024.0.3	Z:\INT\DATA\EPLAN\DATA_xx\IDE\Projects\Didactic\Products\28 MPS_D\MP5-D_TN 8207351 Lager V3.elk	PSP / DPJ VN		+ G2 Bearing		of 51	

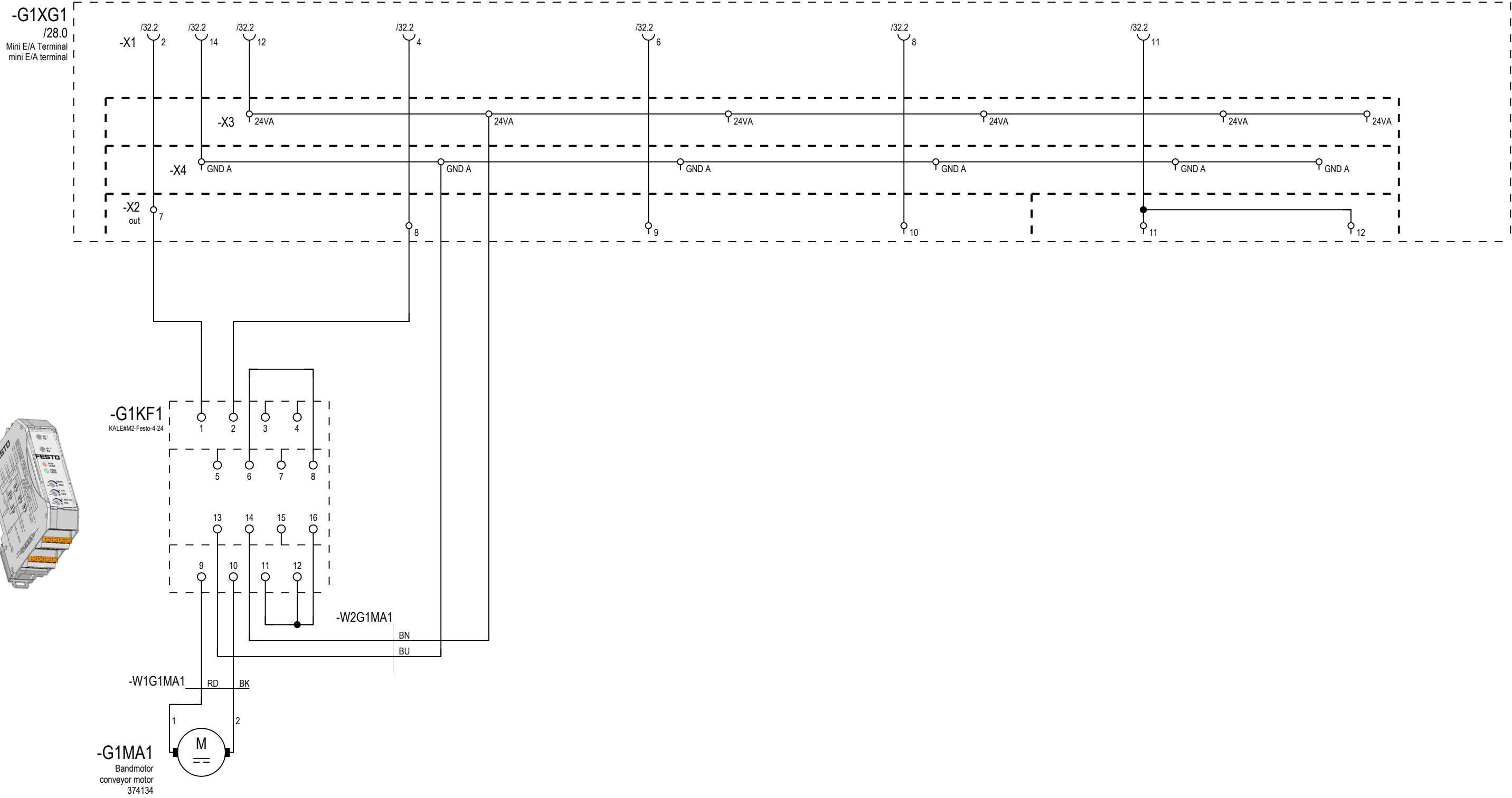
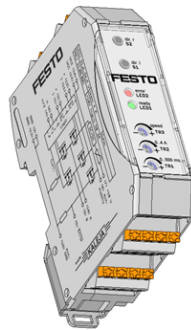
Diese Zeichnung ist Eigentum der Festo Didactic SE This drawing is the property of Festo Didactic SE



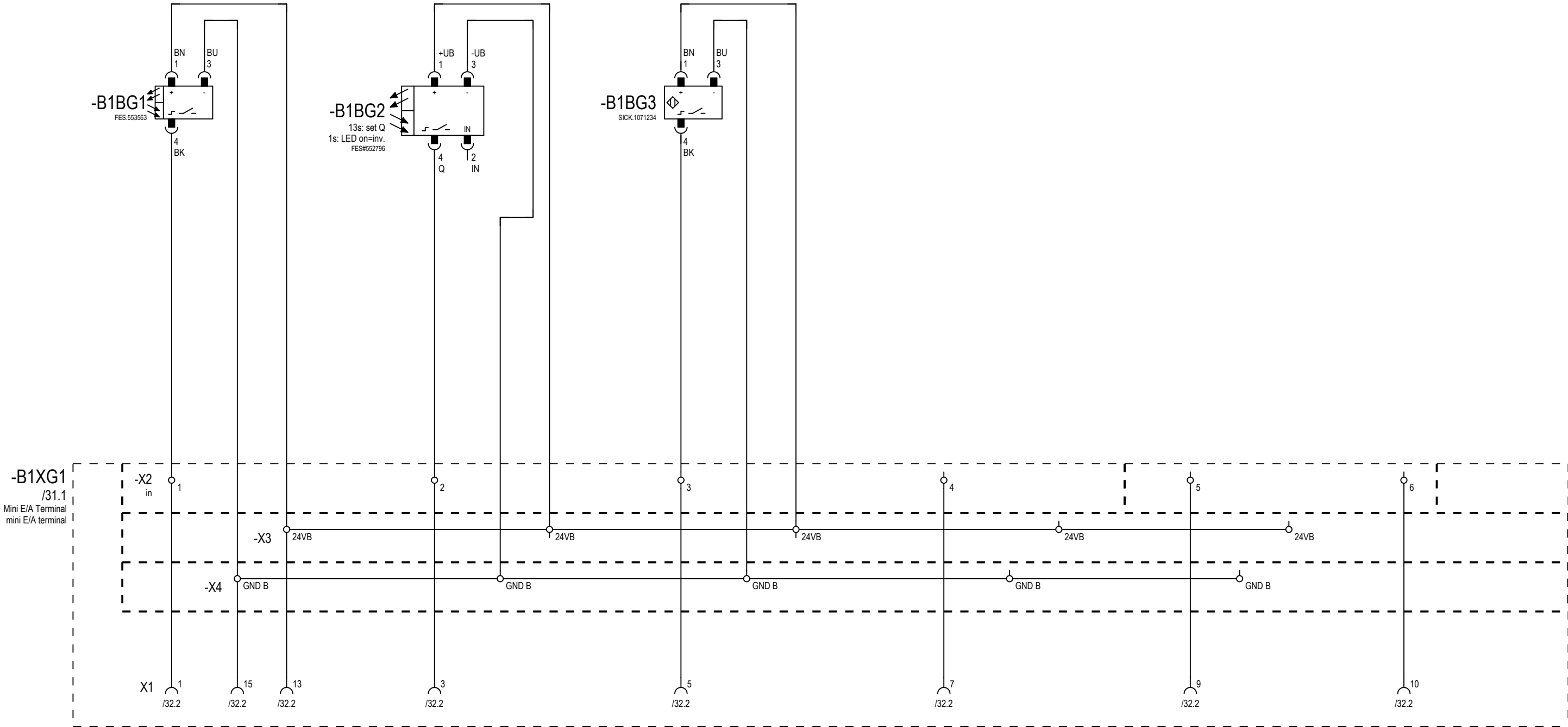
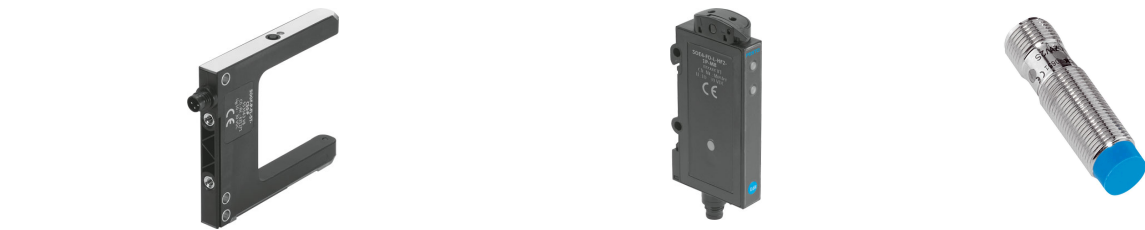
This drawing is the property of Festo Didactic SE



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



This drawing is the property of Festo Didactic SE

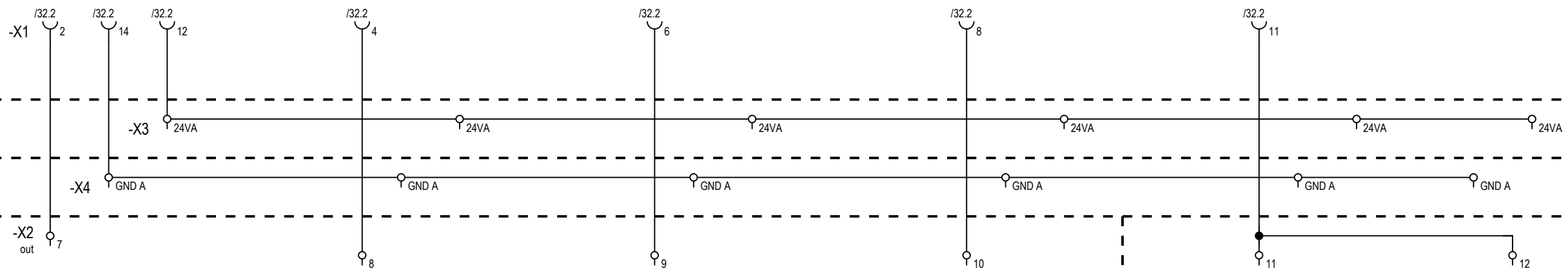


Gabellichtschranke
Fork light barrier

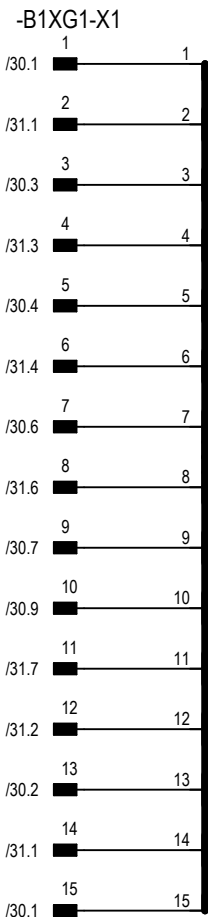
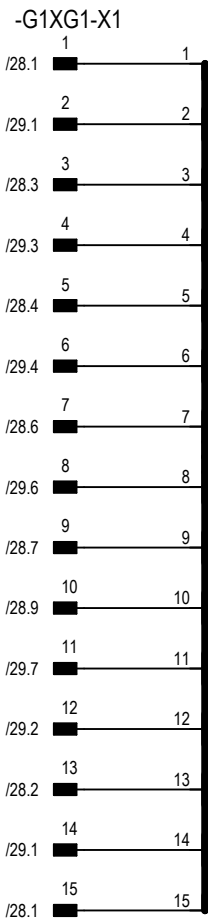
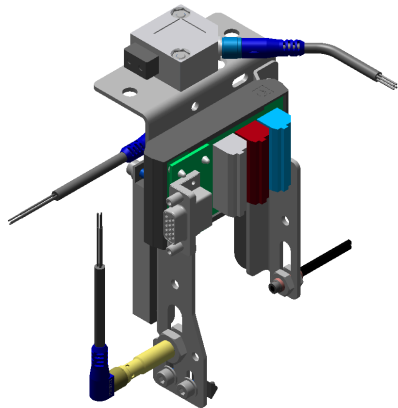
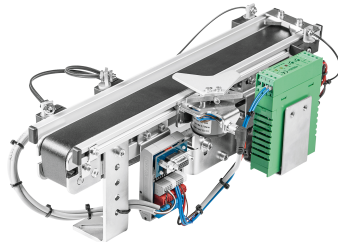
Reflexionslichttaster
Diffuse reflection sensor

Induktiver
Näherungsschalter
Inductive
proximity switch

Reserve
Spare



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



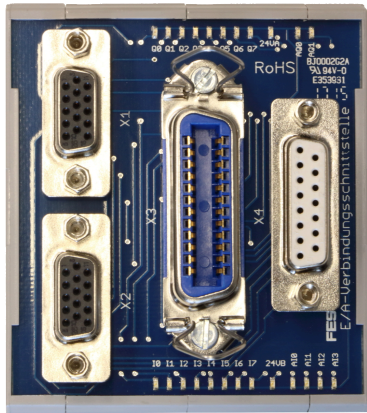
-C1XG1
C-interface
FD#2626218

-W1
15pol

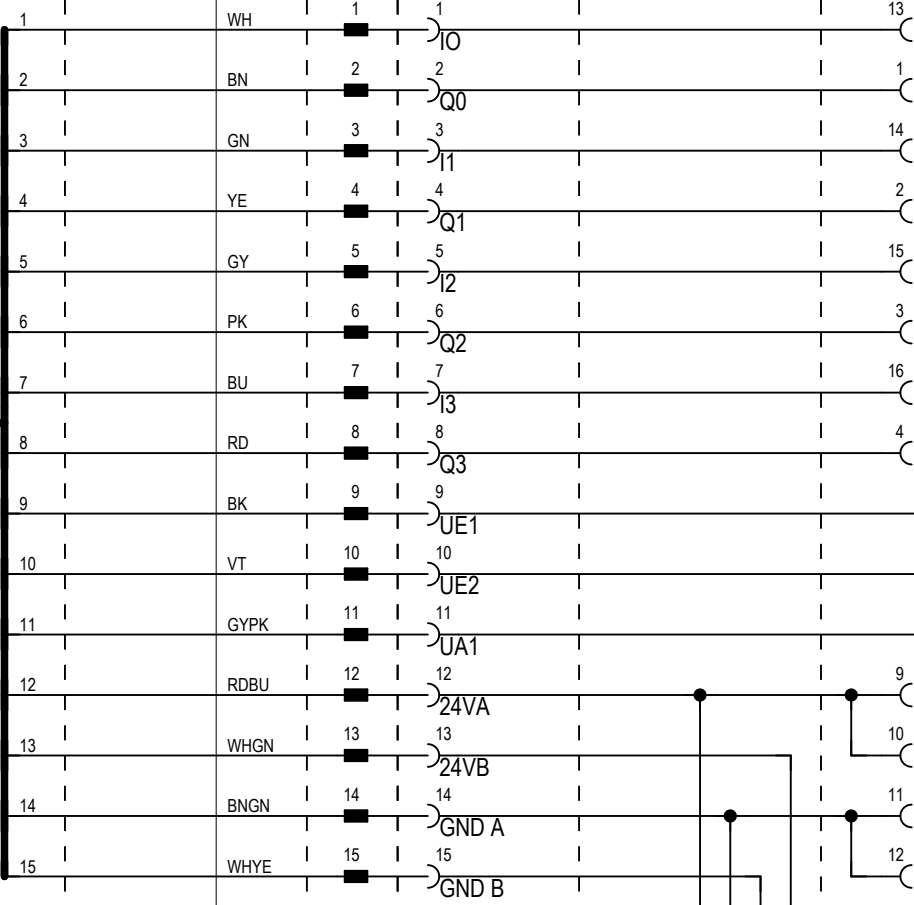
-XS1

-XB1
D-Sub 15 HD

-XB3
Centronics



-XB4
D-Sub 15



-W2
15pol

-XS2

-XB2
D-Sub 15 HD

17

5

18

6

19

7

20

8

15

14

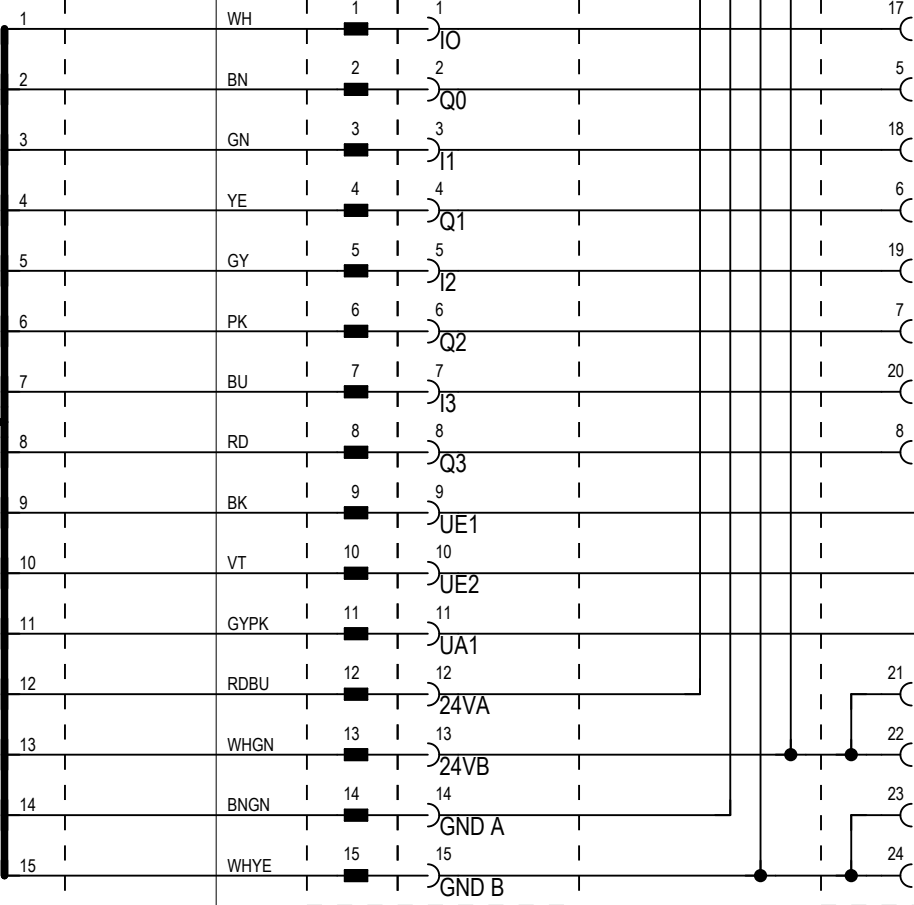
2

21

22

23

24



<<31

+U1/33>>

Date	2024-11-15	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf	
Ed. by.	KSHC		
Creat.	kshc		
Drw.No.		N:	F:

Version: 2024.0.3 Z:\INT\Data\EPLAN\DATA_xx\IDE\Projects\Didactic\Products\28 MPS_D\MP5-D_TN 8207351 Lager V3.elk

FESTO

Lager Sation -C1XG1

Part number 8207351	
PSP / DPJ	VN

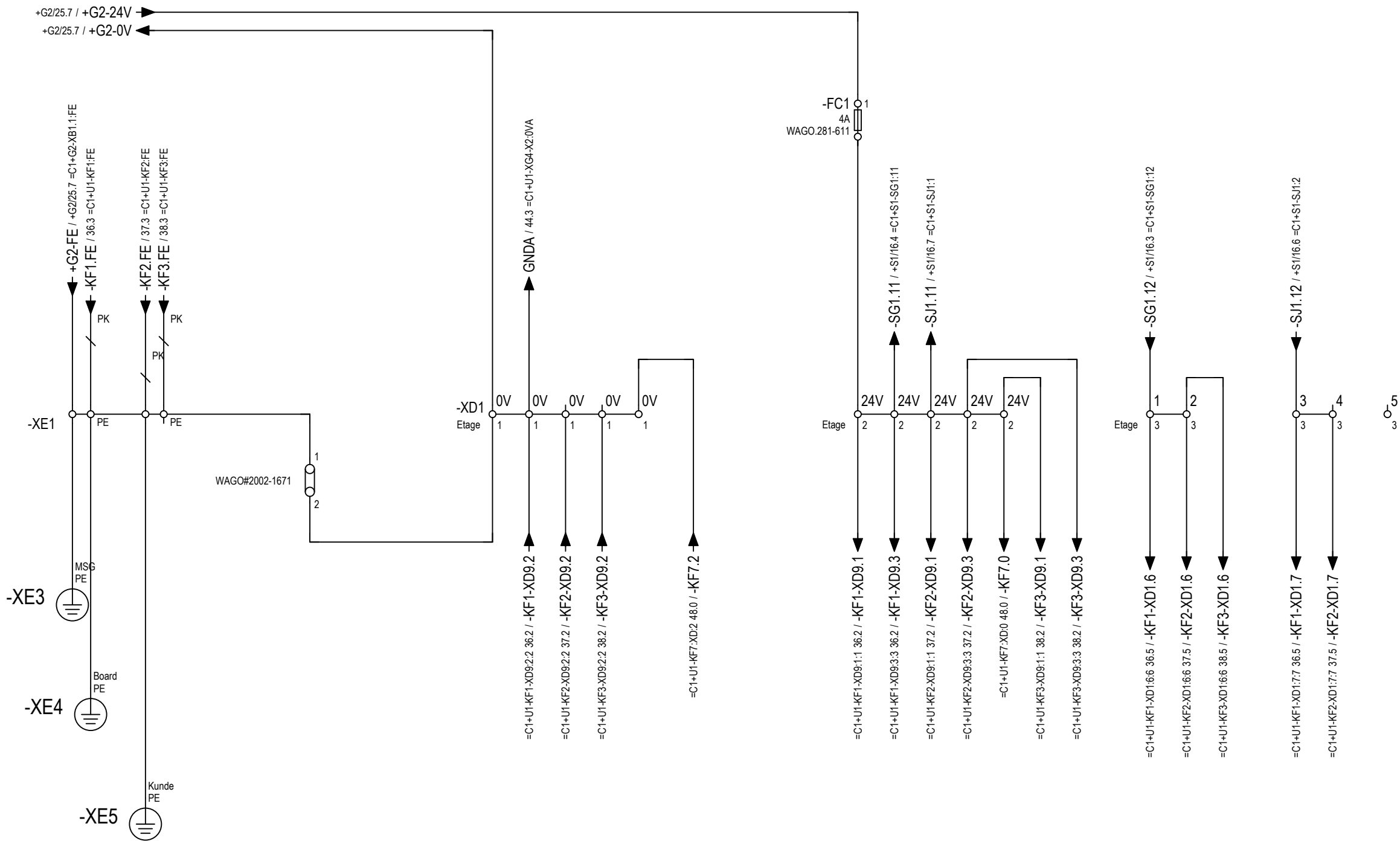
= C1	Bearing	Page 32 of 51
+ G2	Bearing	

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

+U1

Board

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

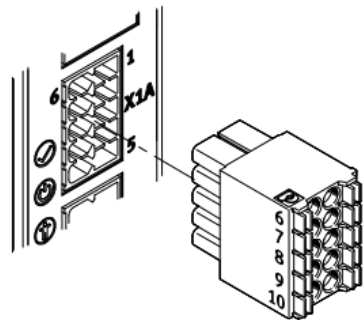


<<33

35>>

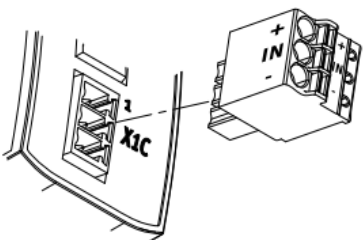
Date	2024-11-15	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf			FESTO 24V Spannungsversorgung 24V Powersupply		Part number 8207351			
Ed. by.	KSHC						PSP / DPJ VN		= C1	Bearing
Creat.	kshc								+ U1	Board
Drw.No.		N:	F:	Version: 2024.0.3	Z:\INT\DATA\EPLAN\DATA_xx\IDE\Projects\Didactic\Products\28 MPS_D\MP5-D_TN 8207351 Lager V3.elk				Page 34 of 51	

-KF1;-KF2;-KF3



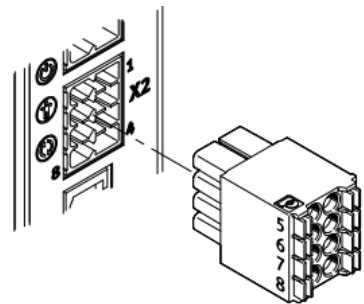
X1A

Pin	Funktion	Beschreibung
Pin	Function	Description
1	+24V, Out	+ 24 V DC Ausgang (abgesichert) + 24 V DC output (fused)
2	#STO-A	Steuereingang Safe torque off, Kanal A Safe torque off control input, channel A
3	#STO-B	Steuereingang Safe torque off, Kanal B Safe torque off control input, channel B
4	STA-C1	Diagnosekontakt STA Safe torque off acknowledge STA diagnostic contact Safe torque off acknowledge
5	STA-C2	
6	CTRL-EN	Freigabe Endstufe/Fehler quittieren Power stage enable/acknowledge error
7	Basis IN 01	Konfigurierbarer Eingang Configurable input
8	Basis IN 02	Konfigurierbarer Eingang Configurable input
9	Basis OUT 01	Konfigurierbarer Ausgang Configurable output
10	Basis OUT 02	Konfigurierbarer Ausgang Configurable output



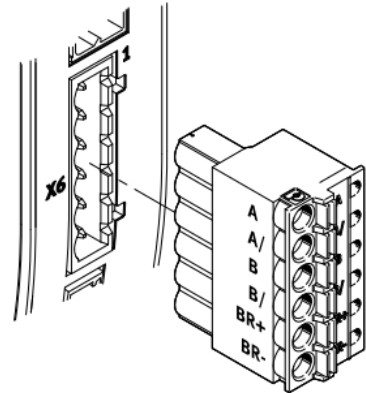
X1C

Pin	Funktion	Beschreibung
Pin	Function	Description
1	+24V, Out	+ 24 V DC Ausgang (abgesichert) + 24 V DC output (fused)
2	REF/IN	+ 24 V DC Ausgang (abgesichert) + 24 V DC output (fused)
3	0 V/GND	+ 24 V DC Ausgang (abgesichert) + 24 V DC output (fused)



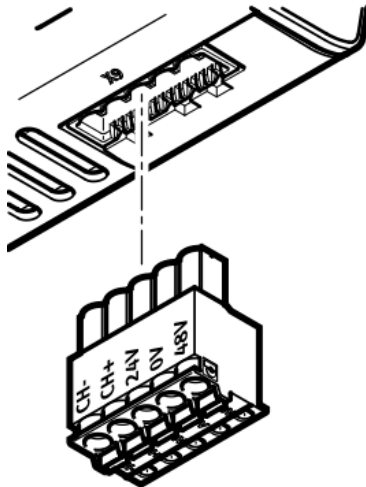
X2

Pin	Funktion	Beschreibung
Pin	Function	Description
1	A IN	Eingang Signal A Input signal A
2	B_IN	Eingang Signal B Input signal B
3	IDX_IN	Eingang Signal Index Input signal Index
4	+5 V	Geberversorgung 5 V 5 V encoder supply
5	#A_IN	Eingang Signal A, invers Input signal A, invers
6	#B_IN	Eingang Signal B, invers Input signal B, invers
7	#IDX_IN	Eingang Signal Index, invers Input signal Index, invers
8	GND	Bezugspotenzial Geberversorgung Reference potential of encoder supply



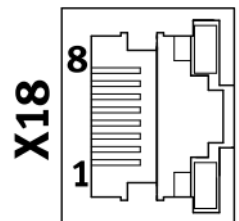
X6

Pin	Funktion	Beschreibung
Pin	Function	Description
1	A	Strang A String A
2	A/	Strang A/ String A/
3	B	Strang B String B
4	B/	Strang B/ String B/
5	Br+	Bremse +24 V Breake +24 V
6	Br-/0 V	Bremse 0 V Breake 0 V



X9

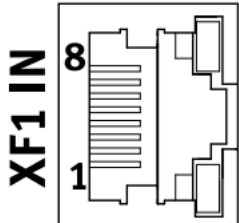
Pin	Funktion	Beschreibung
Pin	Function	Description
1	+ 48 V	Spannungsversorgung für den Lastkreis 24 V DC bis 48 V DC Power supply for the load circuit 24 V DC to 48 V DC
2	0 V	Bezugspotenzial für die Last- und die Logikspannung Reference potential for the load and logic voltage
3	+ 24 V	Spannungsversorgung für den Logikkreis 24 V DC Power supply for the logic circuit 24 V DC
4	CH+	Bremswiderstand positiver Anschluss
5	CH-	Bremswiderstand negativer Anschluss



X18

X18

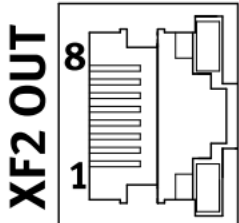
Schnittstelle Standard Ethernet
Interface standard Ethernet



XF1 IN

XF1

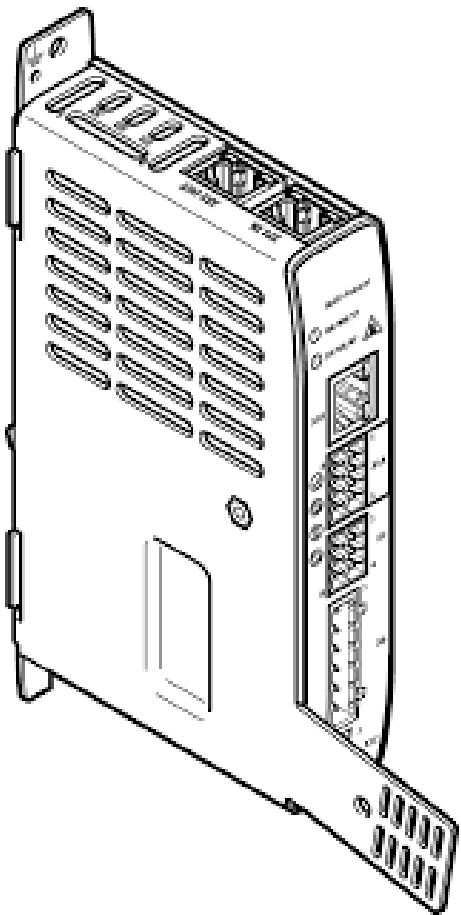
Schnittstelle Real-time Ethernet (RTE) Port 1
Interface real-time Ethernet (RTE) port 1



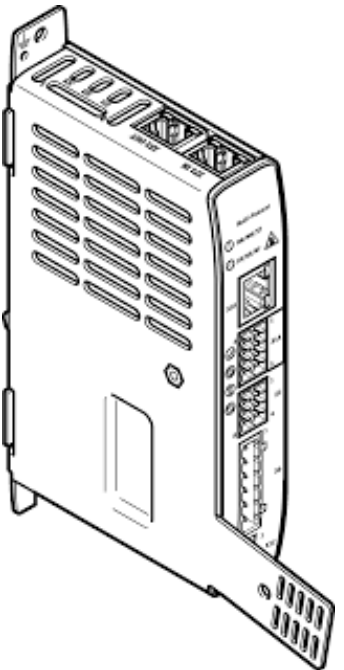
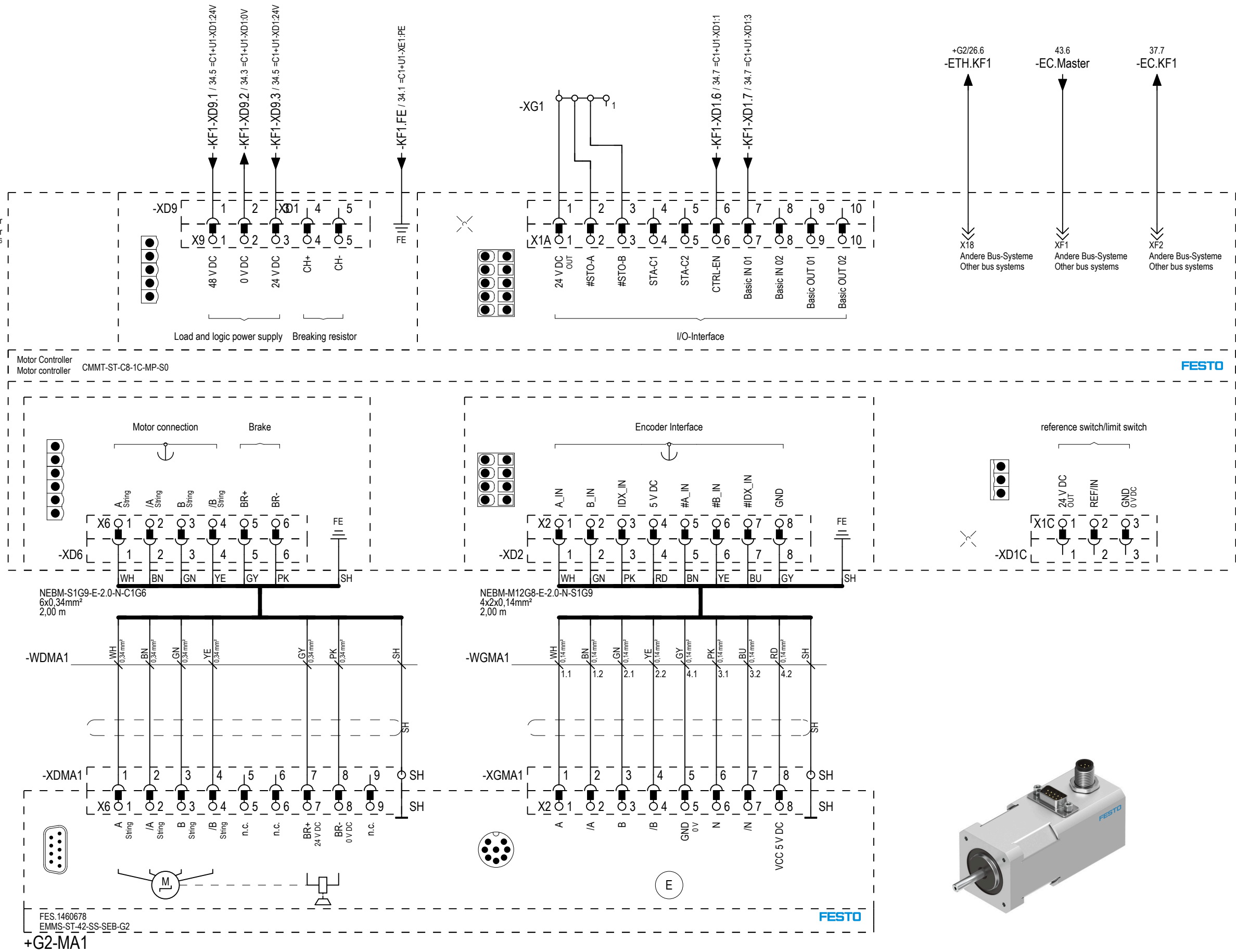
XF2 OUT

XF2

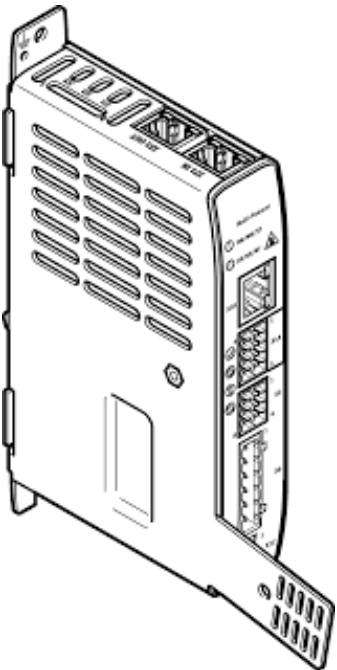
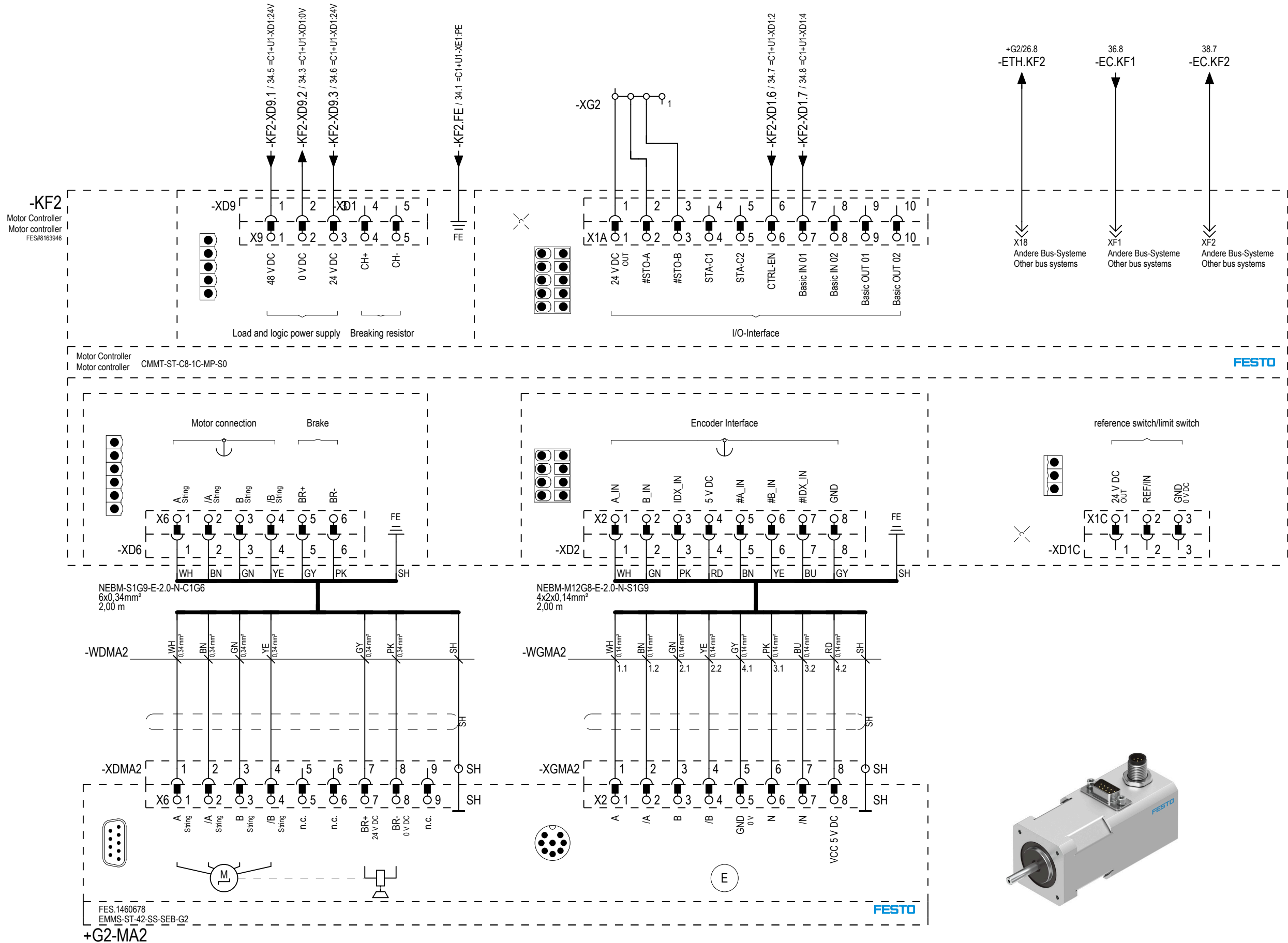
Schnittstelle Real-time Ethernet (RTE) Port 2
Interface real-time Ethernet (RTE) port 2



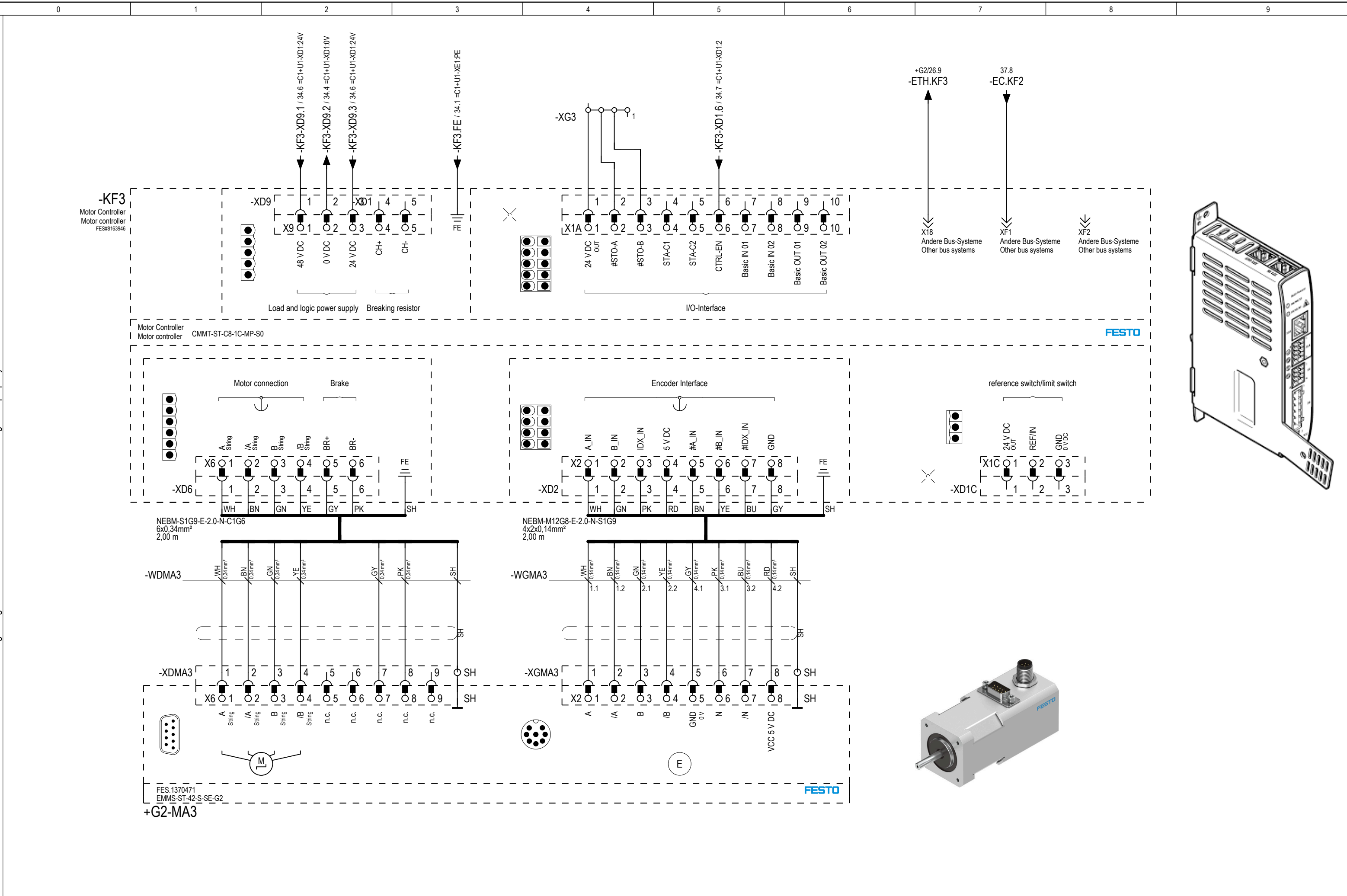
Diese Zeichnung ist Eigentum der Festo Didactic SE
This drawing is the property of Festo Didactic SE



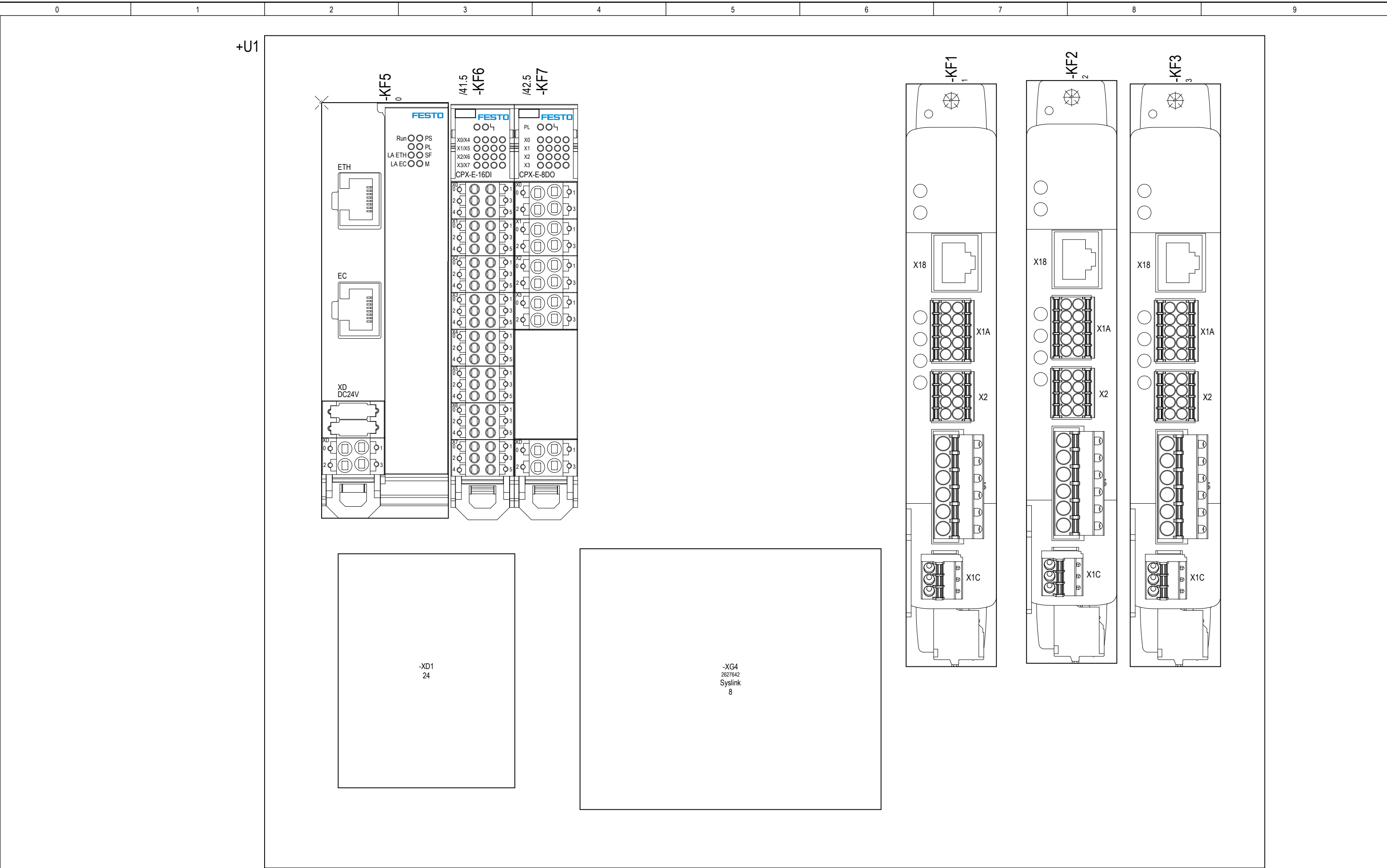
This drawing is the property of Festo Didactic SE
Diese Zeichnung ist Eigentum der Festo Didactic SE



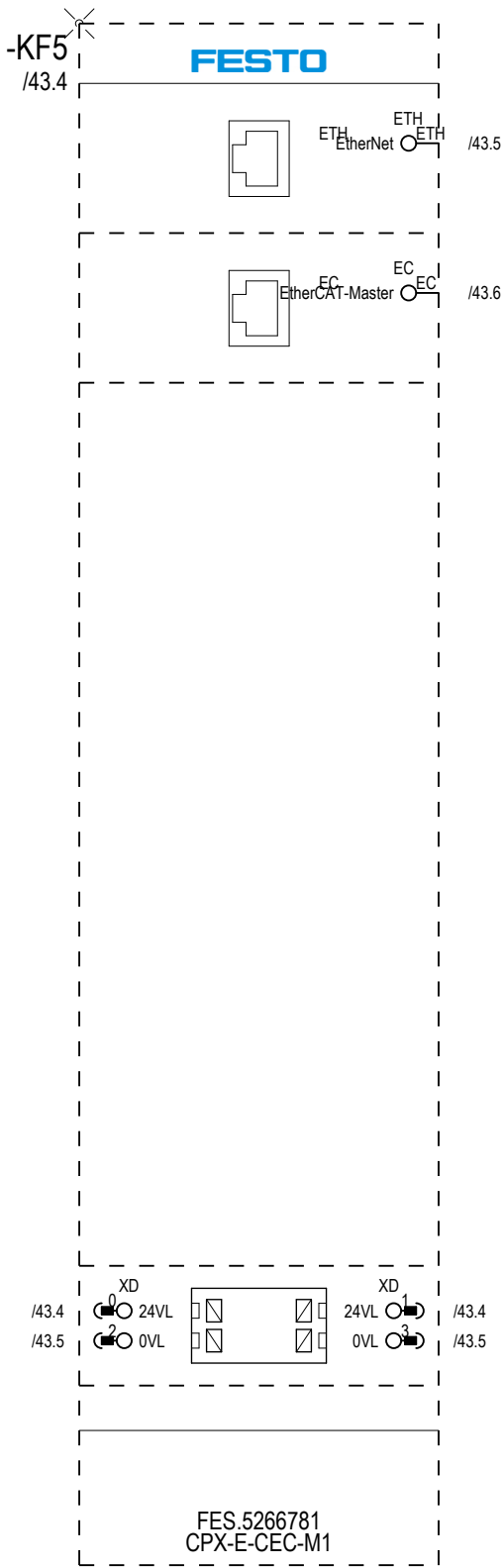
Diese Zeichnung ist Eigentum der Festo Didactic SE
This drawing is the property of Festo Didactic SE



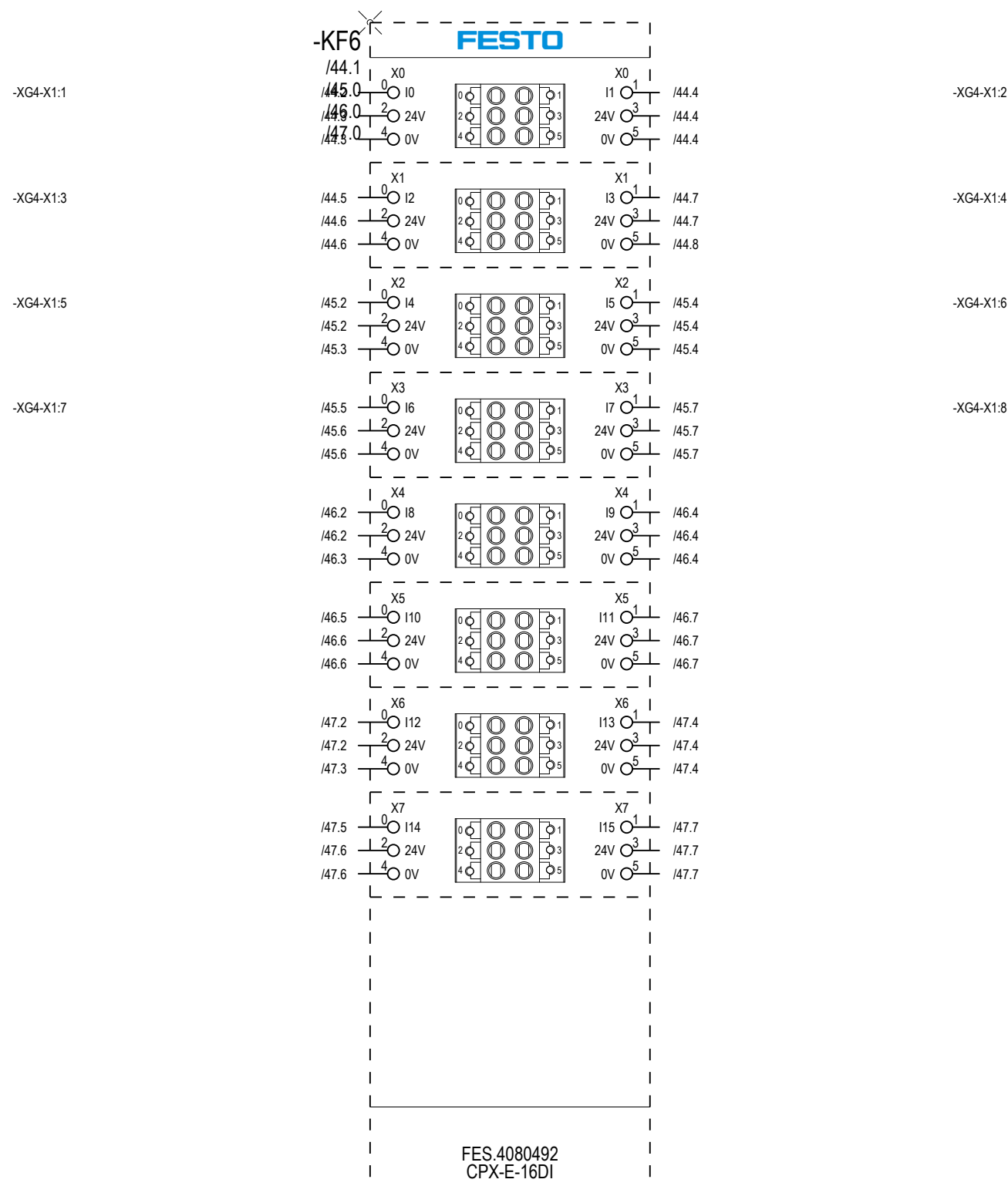
Diese Zeichnung ist Eigentum der Festo Didactic SE This drawing is the property of Festo Didactic SE

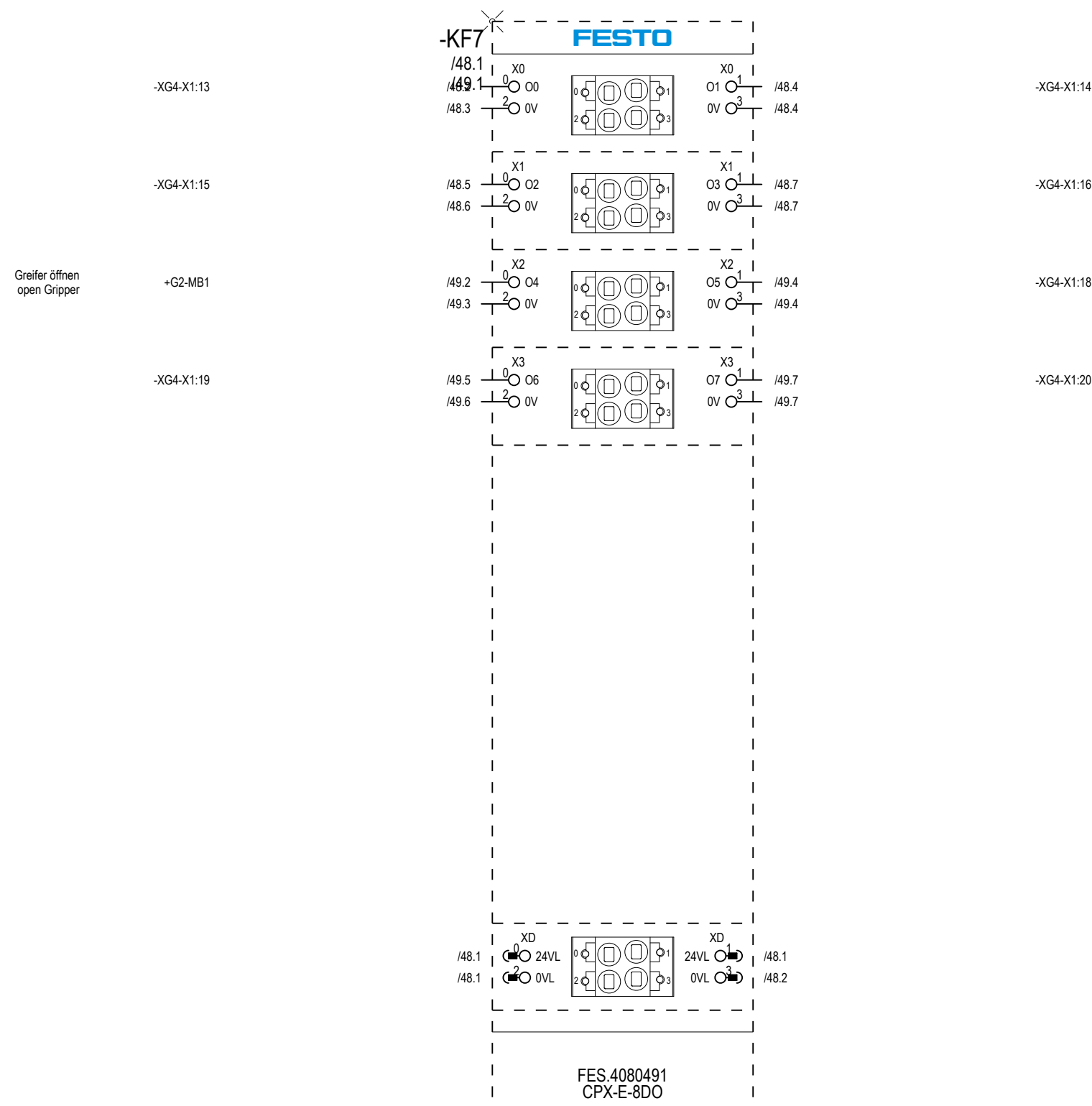


Diese Zeichnung ist Eigentum der Festo Didactic SE This drawing is the property of Festo Didactic SE

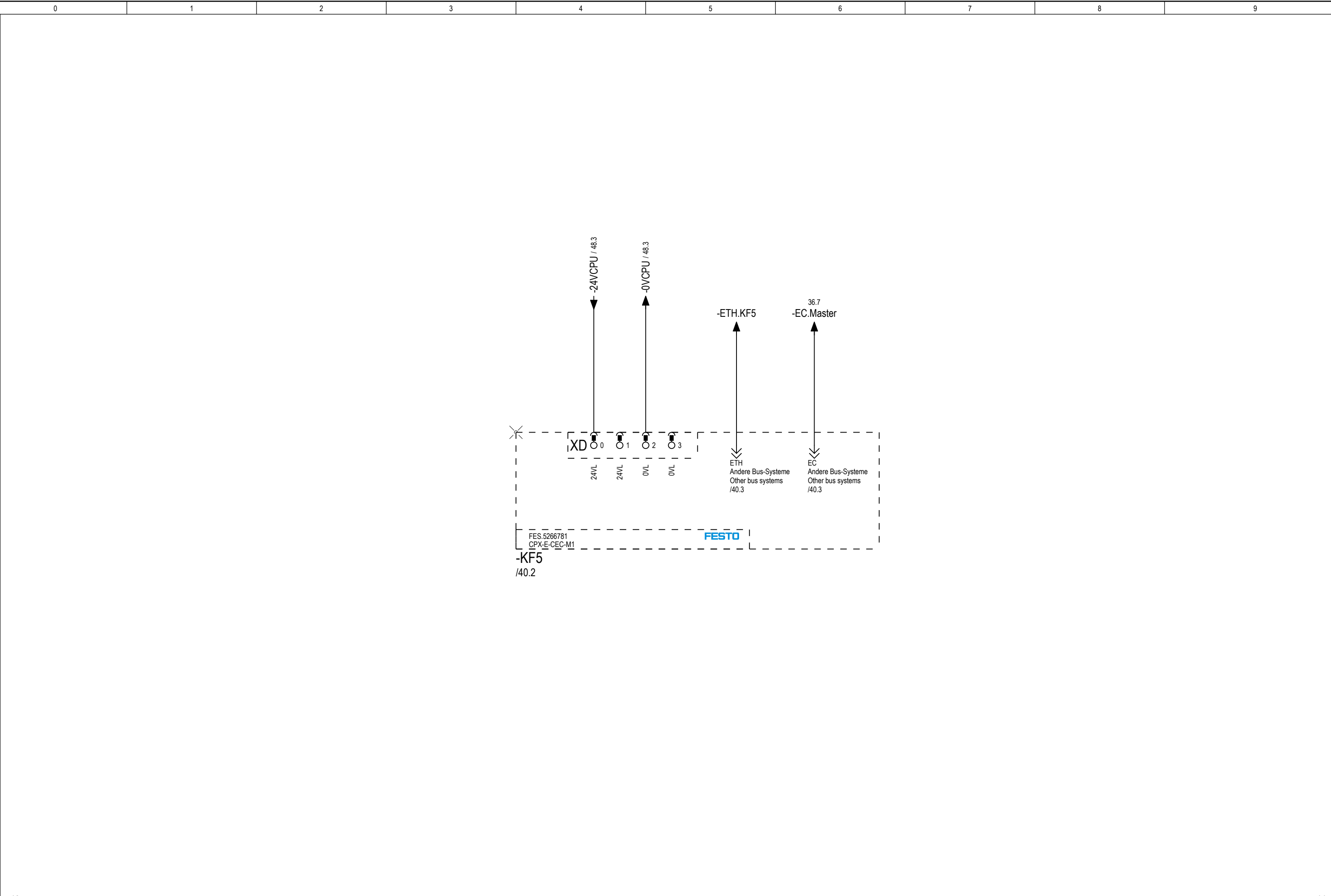


Date	2024-11-15	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf					Steuerung Controller	Part number 8207351				
Ed. by.	KSHC							PSP / DPJ VN		= C1	Bearing	Page 40
Creat.	kshc											
Drw.No.		N:	F:	Version: 2024.0.3	Z:\INT\Data\EPLAN\DATA_xx\IDE\Projects\Didactic\Products\28 MPS_DIMPS-D_TN 8207351 Lager V3.elk					+ U1	Board	of 51

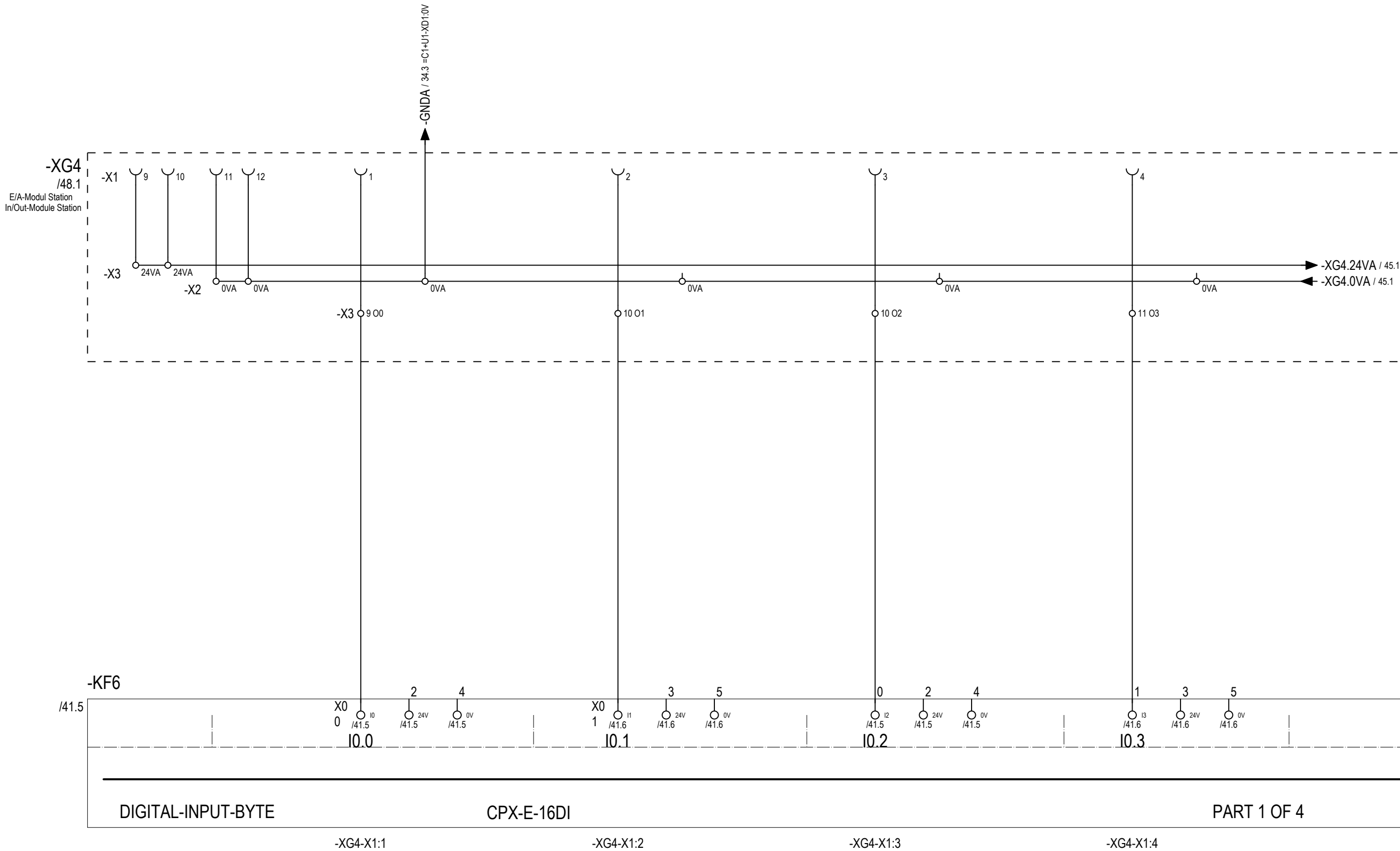




Diese Zeichnung ist Eigentum der Festo Didactic SE This drawing is the property of Festo Didactic SE



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



<<43

45>>

Date	2024-11-15
Ed. by.	KSHC
Creat.	kshc
Drw.No.	

Festo Didactic SE
Rechbergstraße 3
D-73770 Denkendorf



Eingänge IO.0-IO.3 inputs IO.0-IO.3

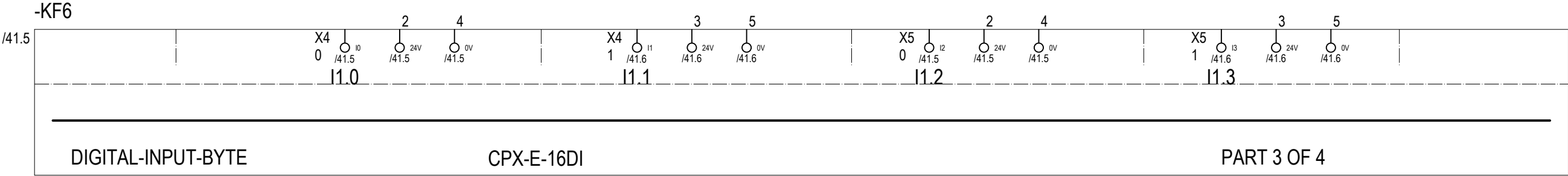
Part number	8207351
PSP / DPJ	VN

= C1	Bearing
+ U1	Board



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
---	---	---	---	---	---	---	---	---	---



<<45

Date	2024-11-15
Ed. by.	KSHC
Creat.	kshc
Drw.No.	

Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf

FESTO	Z:\INT\Data\EPLAN\DATA_xx\IDE\Projects\Didactic\Products\28 MPS_D\MP5-D_TN 8207351 Lager V3.elk
------------------	---

Eingänge I1.0-I1.3 inputs I1.0-I1.3

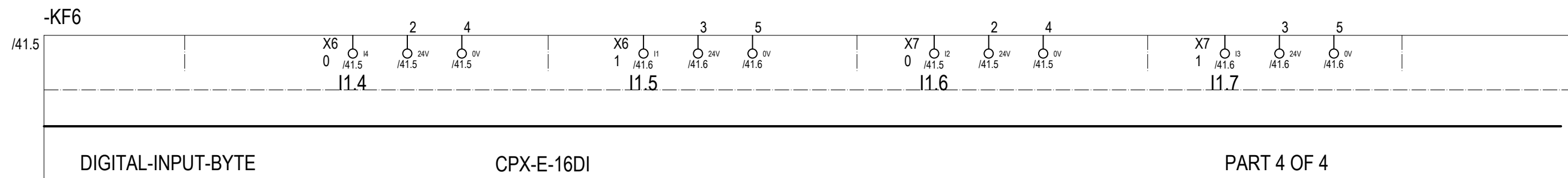
Part number 8207351
PSP / DPJ VN

= C1	Bearing
+ U1	Board

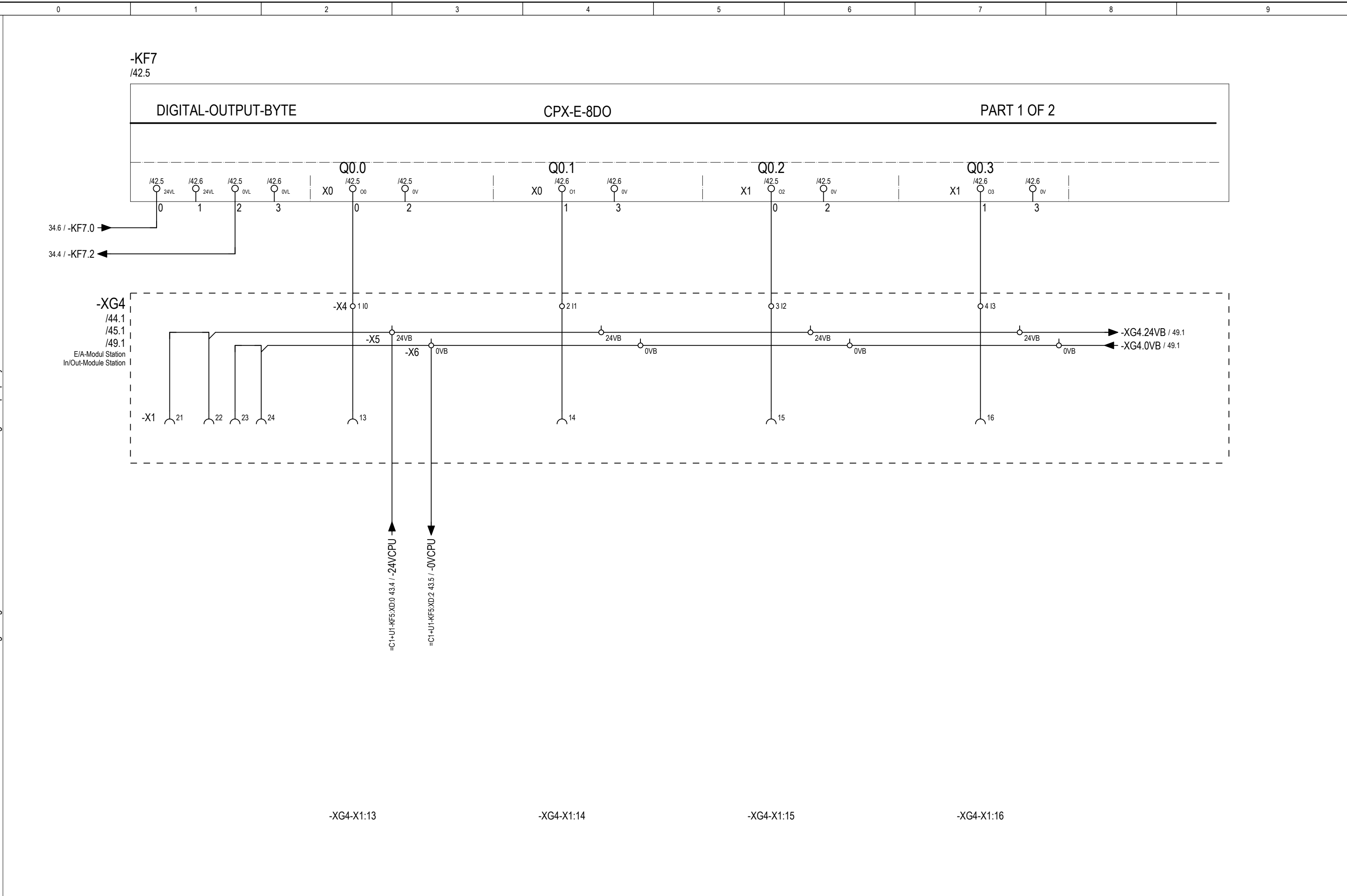
Page 46
of 51

47 >>

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

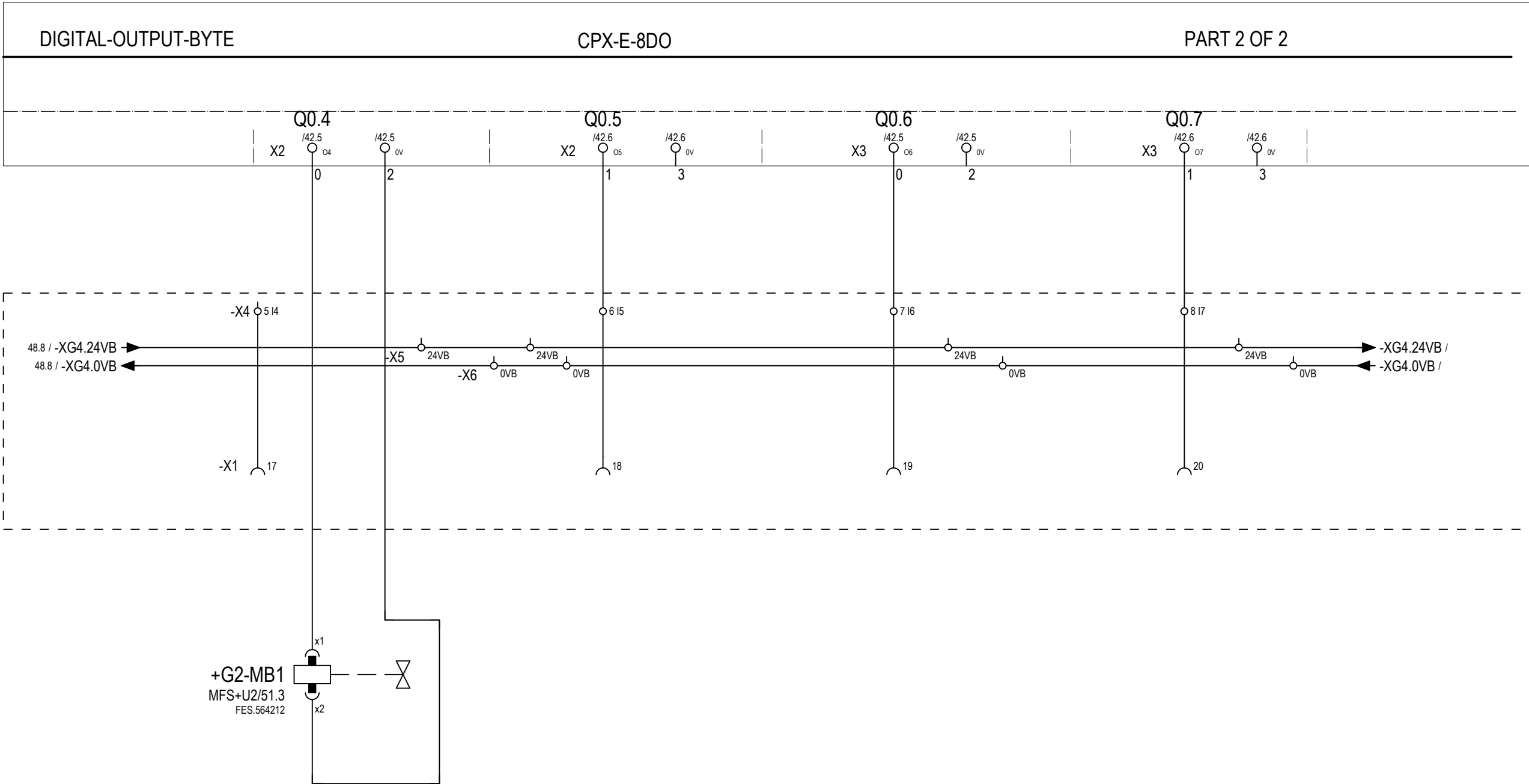


Diese Zeichnung ist Eigentum der Festo Didactic SE This drawing is the property of Festo Didactic SE



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

-KF7
/42.5



Greifer
öffnen

open
Gripper

Greifer öffnen
open Gripper

+G2-MB1

-XG4-X1:18

-XG4-X1:19

-XG4-X1:20

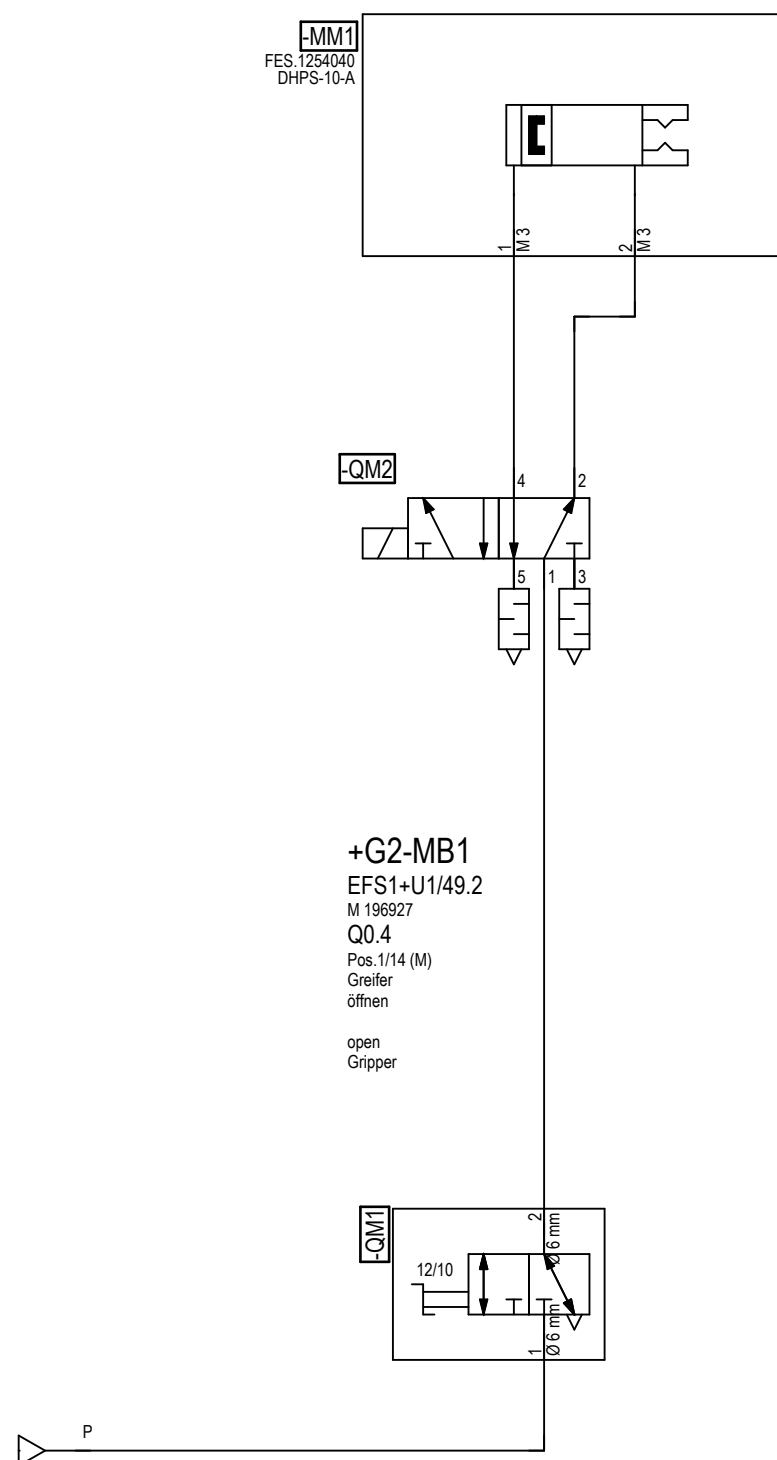
<<48

&MFS+U2/50>>

Date	2024-11-15	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf		FESTO Ausgänge Q0.4-Q0.7		Part number 8207351			
Ed. by.	KSHC					PSP / DPJ VN		= C1	Bearing
Drw.No.		N:	F:	Version: 2024.0.3	Z:\INT\Data\EPLAN\DATA_xx\IDE\Projects\Didactic\Products\28 MPS_D\MP5-D_TN 8207351 Lager V3.elk			+ U1	Board
								Page 49	of 51

Pneumatik

Pneumatics



Date	2024-11-15	Festo Didactic SE Rechbergstraße 3 D-73770 Denkendorf					Übersicht overview	Part number 8207351			
Ed. by.	KSHC							PSP / DPJ		VN	= C1
Creat.	kshc							+ U2	Pneumatics	of 51	
Drw.No.		N:	F:	Version: 2024.0.3	Z:\INT\DATA\EPLAN\DATA_ox\IDE\Projects\Didactic\Products\28 MPS_DIMPS-D_TN 8207351 Lager V3.ek						