



**Technisches Institut für  
Aus- und Weiterbildung**

**Modell / Model: Kompakt-Hochregallager mit E/A Station**  
**Compact High Level Storage Warehouse with I/O Station**


Elektrische Dokumentation:

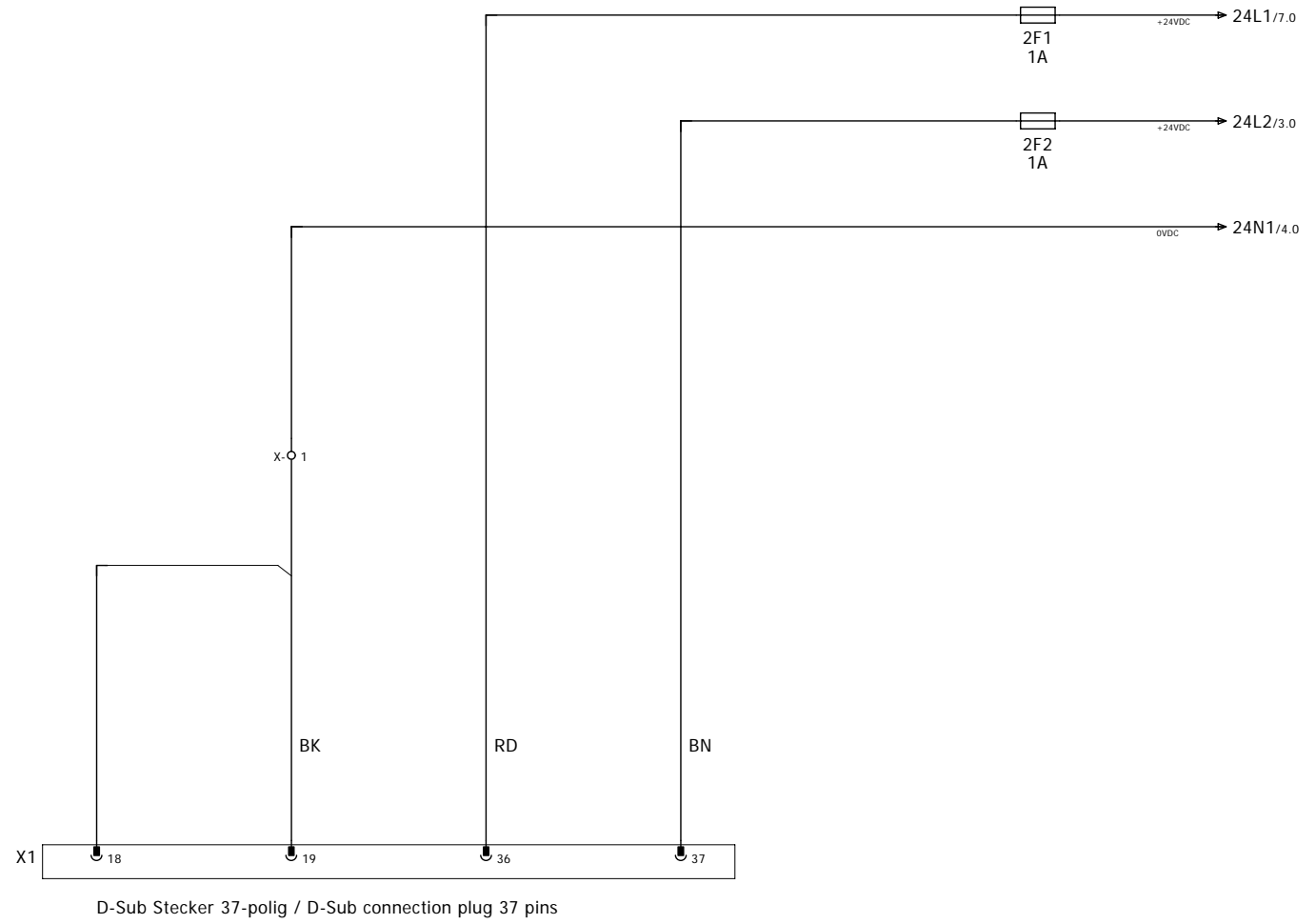
- Stromlaufplan
- Steckerbelegung

Electrical documentation:

- Circuit diagram
- Connection plug arrangement

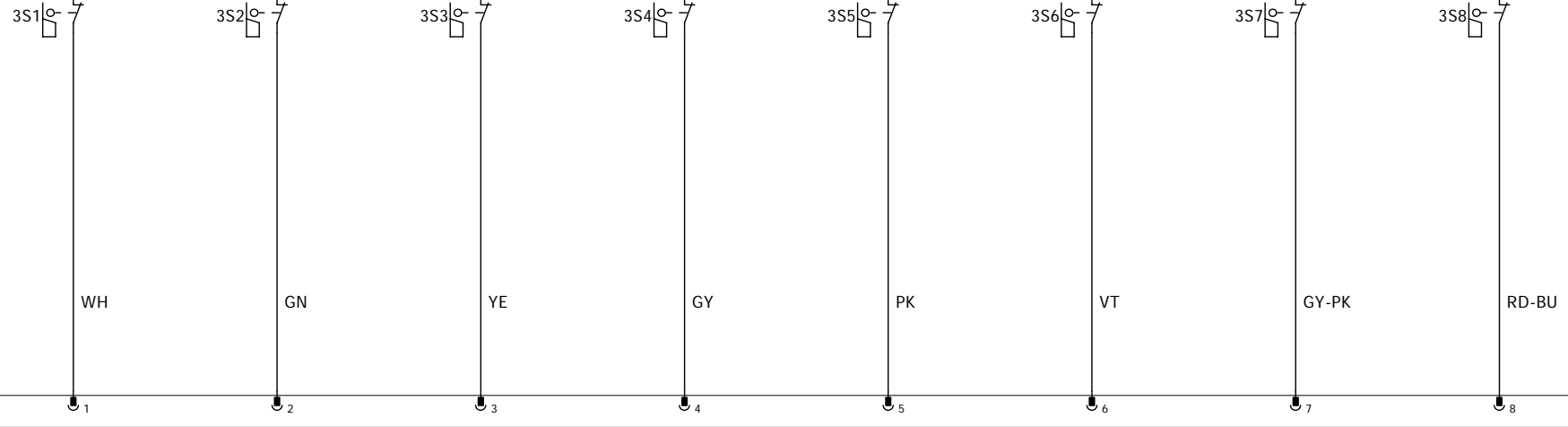
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02.05.00	HAL		Modell / Model	Benennung / Title	Artikel-Nr. / Article Nr.	Seite / Page
19.09.06	LAN		Kompakt-Hochregallager mit E/A Station		19172	1
19.10.18	MA		Compact High Level Storage Warehouse with I/O Station			



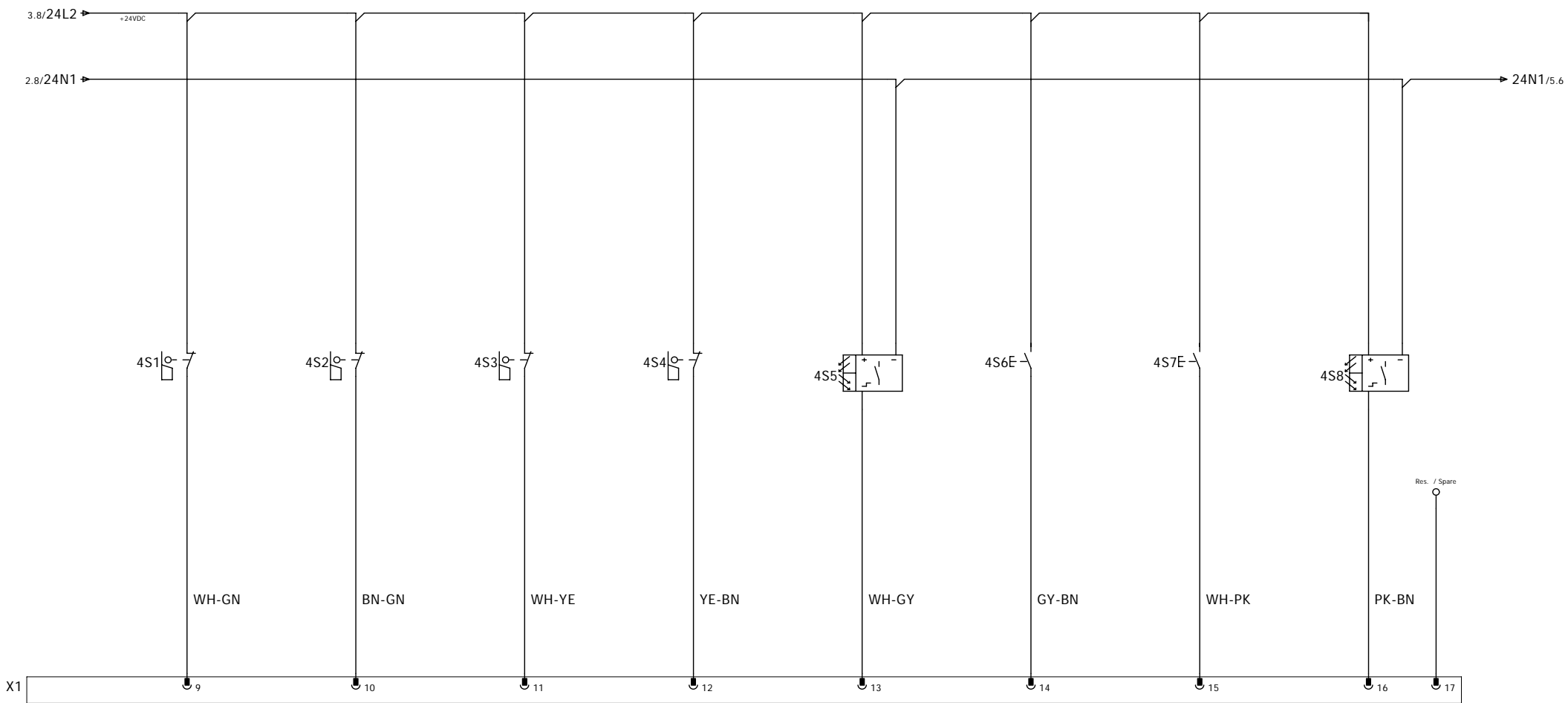
Versorgungs- spannung 0V	Versorgungs- spannung 0V	Versorgungs- spannung Motoren	Versorgungs- spannung Sensoren
Power Supply 0V	Power Supply 0V	Power Supply Motors	Power Supply Sensors

2.8/24L2 → +24VDC 24L2/4.0 →



D-Sub Stecker 37-polig / D-Sub connection plug 37 pins

X-Achse Pos. 1 X+	X-Achse Pos. 2 X-Axis Pos. 2	X-Achse Pos. 3 X- X-Axis Pos. 3 X-	Y-Achse Pos. Y+ Y-Axis Pos. Y+	Y-Achse Pos. mitte Y-Axis Pos. mid	Y-Achse Pos. Y- Y-Axis Pos. Y-	Z-Achse über Pos. 1 Z+ Z-Axis above Pos. 1 Z+	Z-Achse unter Pos. 1 Z-Axis below Pos. 1
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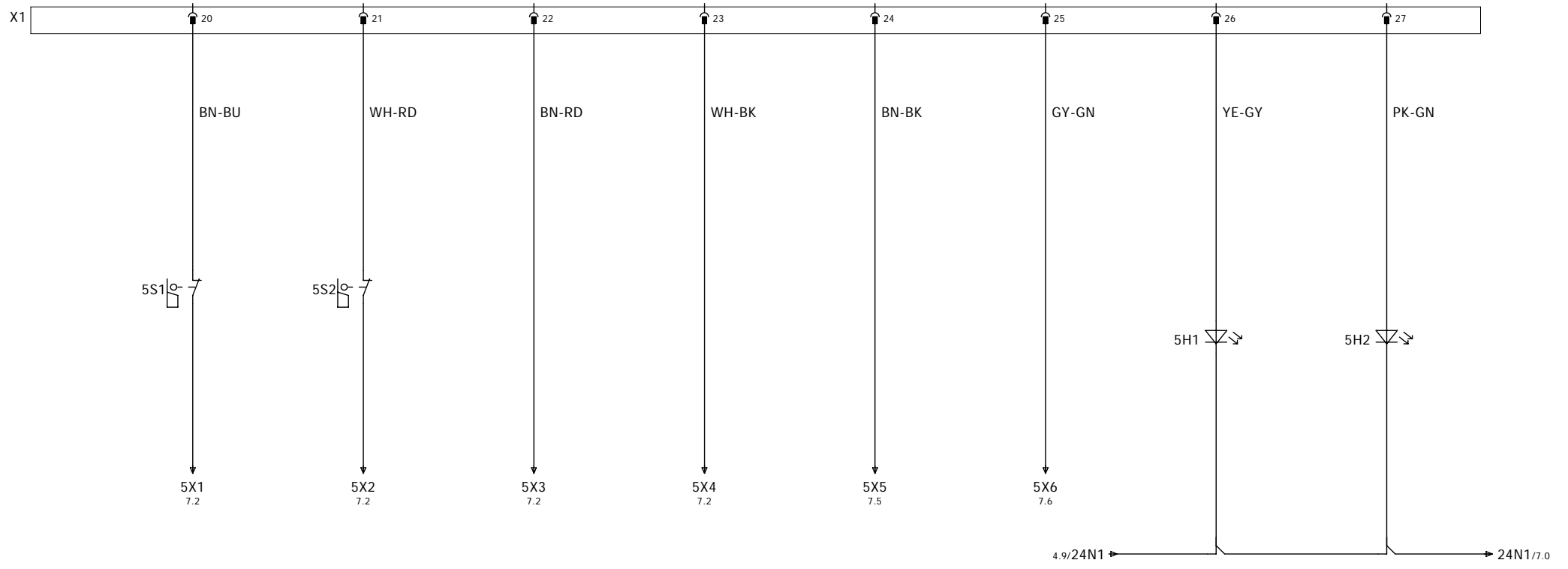


X1 9 10 11 12 13 14 15 16 17

D-Sub Stecker 37-polig / D-Sub connection plug 37 pins

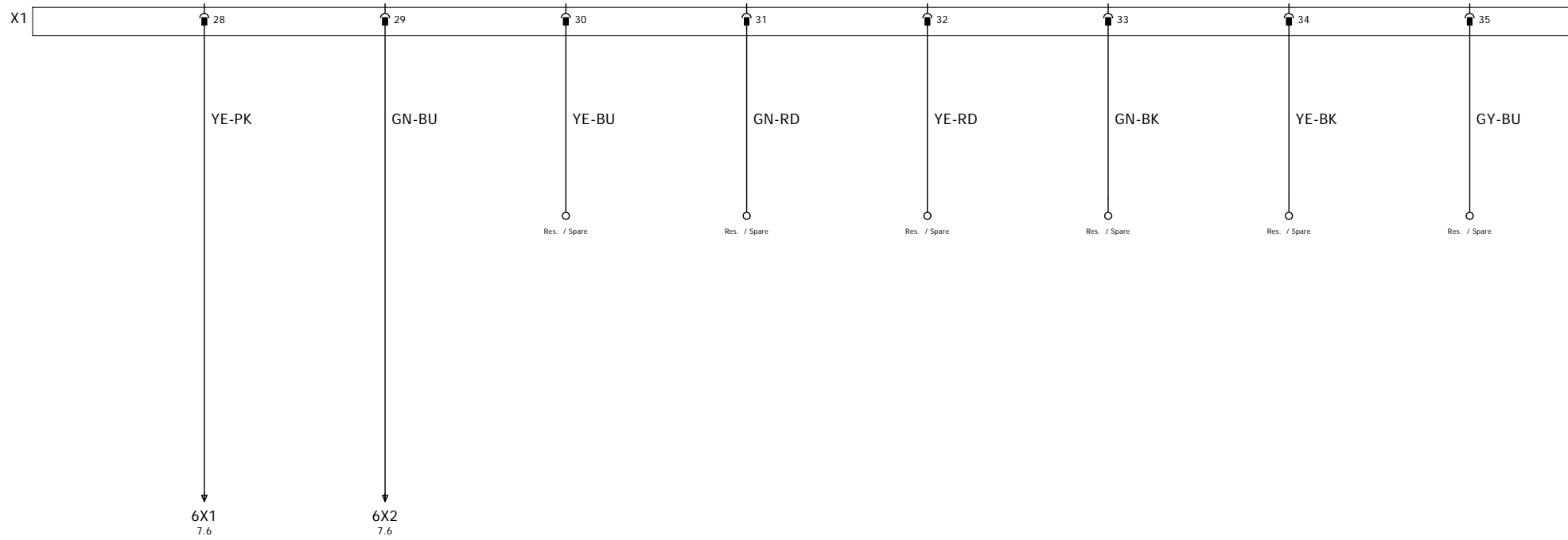
Z-Achse über Pos. 2	Z-Achse unter Pos. 2	Z-Achse über Pos. 3	Z-Achse unter Pos. 3 Z-	Regalbediengerät belegt	Handtaster 1 Hand Key 1	Handtaster 2 Hand Key 2	E/A Station I/O Station
Z-Axis above Pos. 2	Z-Axis below Pos. 2	Z-Axis above Pos. 3	Z-Axis below Pos. 3 Z-	Rack Feeder occupied			

D-Sub Stecker 37-polig / D-Sub connection plug 37 pins

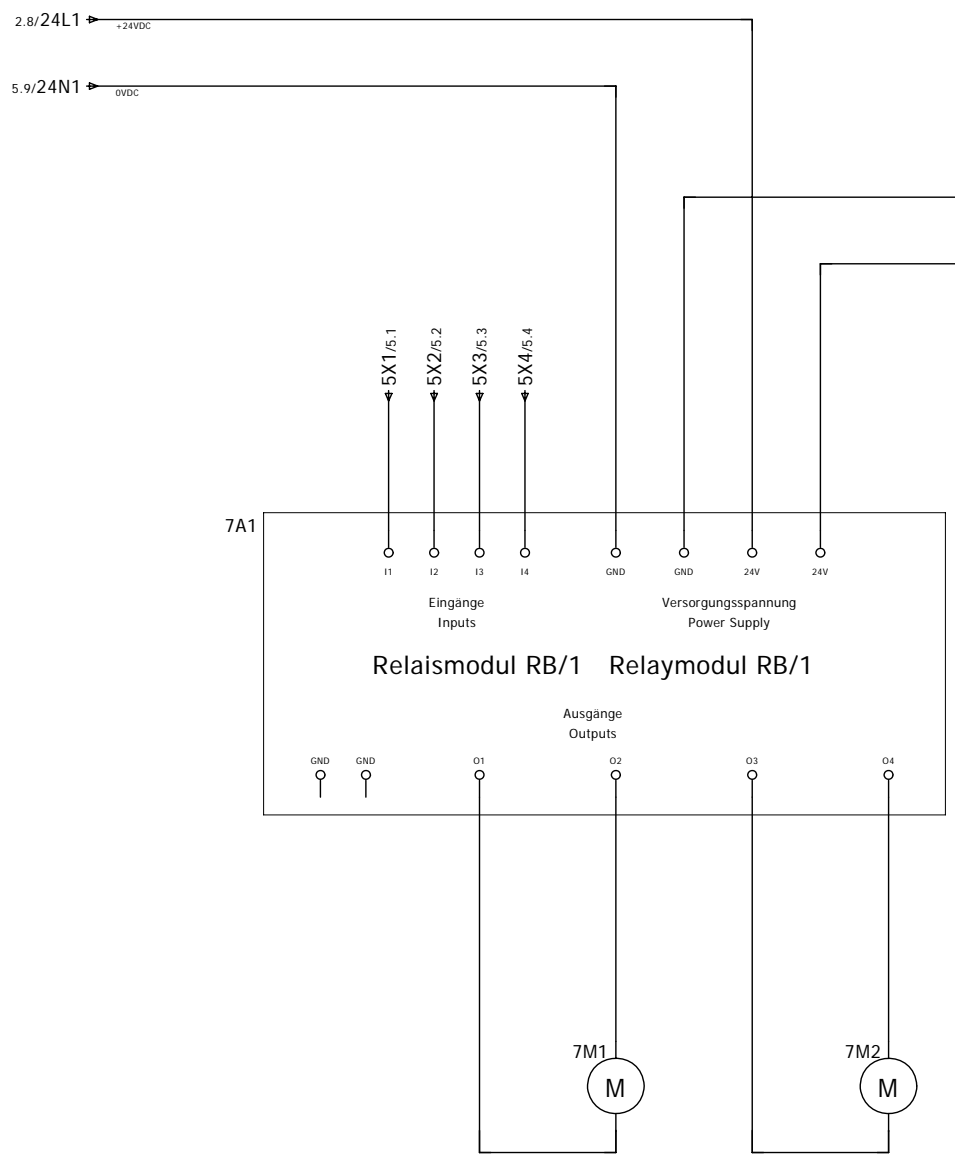


X-Achse nach X+	X-Achse nach X-	Y-Achse nach Y+	Y-Achse nach Y-	Z-Achse nach Z+	Z-Achse nach Z-	LED 1 grün	LED 2 rot
X-Axis to X+	X-Axis to X-	Y-Axis to Y+	Y-Axis to Y-	Z-Axis to Z+	Z-Axis to Z-	LED 1 green	LED 2 red

D-Sub Stecker 37-polig / D-Sub connection plug 37 pins

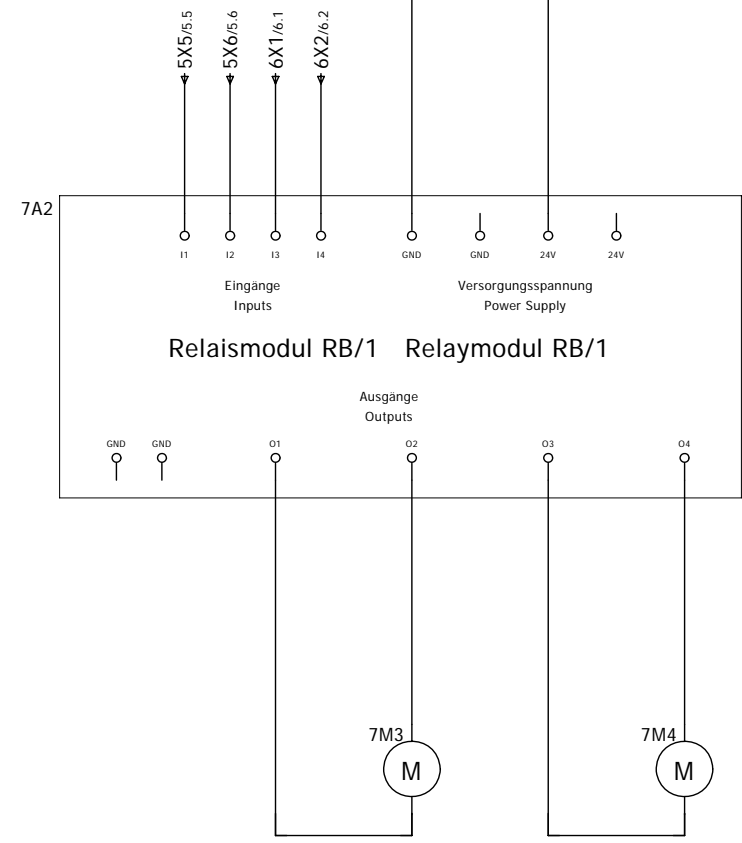


E/A Station einlagern	E/A Station auslagern	Reserve	Reserve	Reserve	Reserve	Reserve	Reserve
I/O Station place into stock	I/O Station release from stock	Spare	Spare	Spare	Spare	Spare	Spare



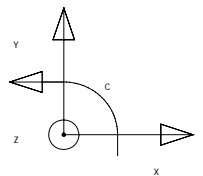
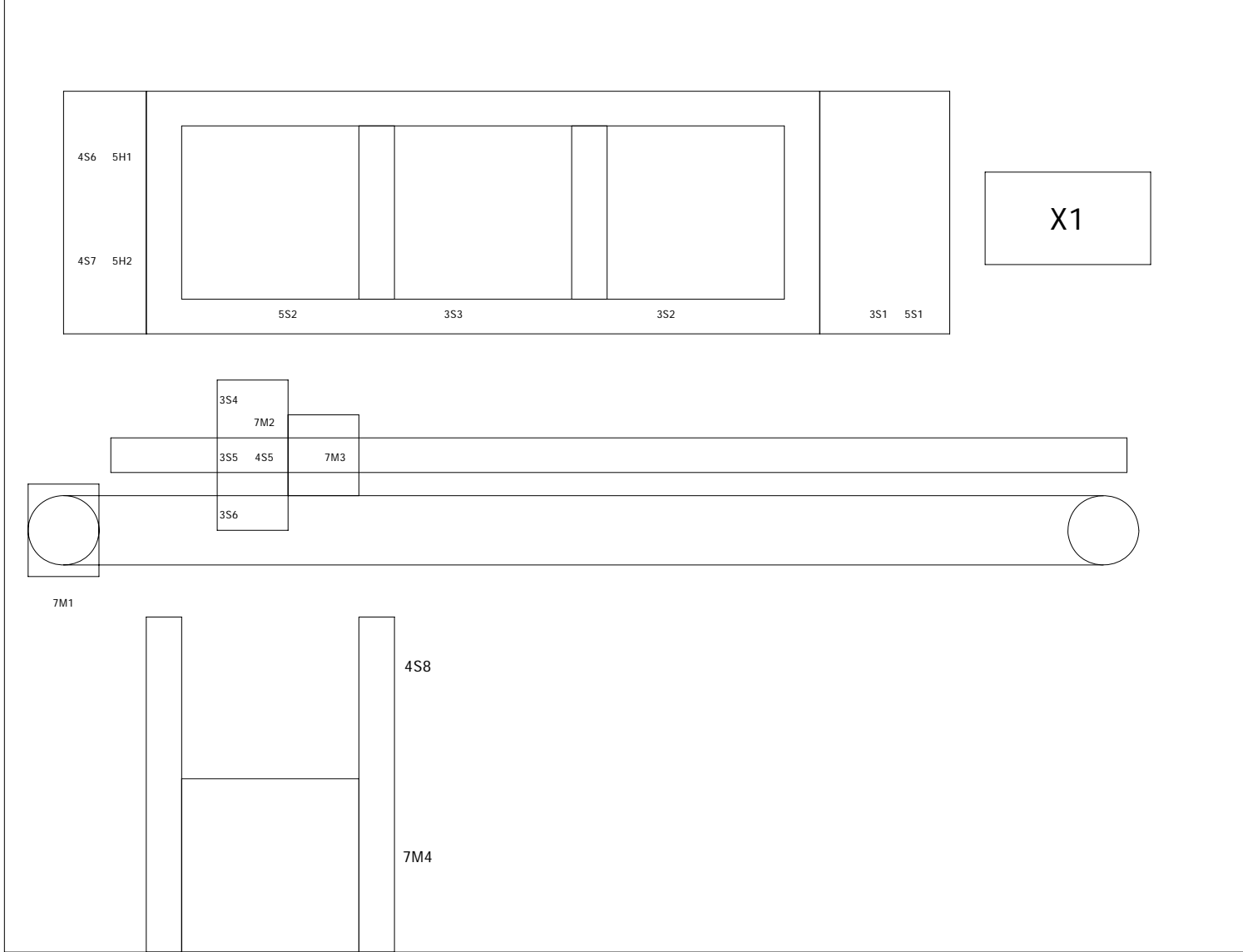
X-Achse  
X-Axis

Y-Achse  
Y-Axis



Z-Achse  
Z-Axis

E/A Station  
I/O Station





# STECKERBELEGUNGSPLAN PIN - OUT - DIAGRAM

Stecker : X1

Plug : D-Sub Stecker 37-polig  
D-Sub connection plug 37 pins

Pin	Color	I/O	Sensor/Actor	Funktion / Function
1	WH		3S1	X-Achse Pos. 1 X+ / X-Axis Pos. 1 X+
2	GN		3S2	X-Achse Pos. 2 / X-Axis Pos. 2
3	YE		3S3	X-Achse Pos. 3 X- / X-Axis Pos. 3 X-
4	GY		3S4	Y-Achse Pos. Y+ / Y-Axis Pos. Y+
5	PK		3S5	Y-Achse Pos. mitte / Y-Axis Pos. mid
6	VT		3S6	Y-Achse Pos. Y- / Y-Axis Pos. Y-
7	GY-PK		3S7	Z-Achse über Pos. 1 Z+ / Z-Axis above Pos. 1 Z+
8	RD-BU		3S8	Z-Achse unter Pos. 1 / Z-Axis below Pos. 1
9	WH-GN		4S1	Z-Achse über Pos. 2 / Z-Axis above Pos. 2
10	BN-GN		4S2	Z-Achse unter Pos. 2 / Z-Axis below Pos. 2
11	WH-YE		4S3	Z-Achse über Pos. 3 / Z-Axis above Pos. 3
12	YE-BN		4S4	Z-Achse unter Pos. 3 Z- / Z-Axis below Pos. 3 Z-
13	WH-GY		4S5	Regalbediengerät belegt / Rack Feeder occupied
14	GY-BN		4S6	Handtaster 1 / Hand Key 1
15	WH-PK		4S7	Handtaster 2 / Hand Key 2
16	PK-BN		4S8	E/A Station / I/O Station
17	WH-BU		Res./Spare	Reserve / Spare
18				Versorgungsspannung 0V / Power Supply 0V
19	BK		X-	Versorgungsspannung 0V / Power Supply 0V
20	BN-BU		5S1	X-Achse nach X+ / X-Axis to X+
21	WH-RD		5S2	X-Achse nach X- / X-Axis to X-
22	BN-RD		7A1	Y-Achse nach Y+ / Y-Axis to Y+
23	WH-BK		7A1	Y-Achse nach Y- / Y-Axis to Y-
24	BN-BK		7A2	Z-Achse nach Z+ / Z-Axis to Z+
25	GY-GN		7A2	Z-Achse nach Z- / Z-Axis to Z-
26	YE-GY		5H1	LED 1 grün / LED 1 green
27	PK-GN		5H2	LED 2 rot / LED 2 red
28	YE-PK		7A2	E/A Station einlagern / I/O Station place into stock
29	GN-BU		7A2	E/A Station auslagern / I/O Station release from stock
30	YE-BU		Res./Spare	Reserve / Spare
31	GN-RD		Res./Spare	Reserve / Spare
32	YE-RD		Res./Spare	Reserve / Spare
33	GN-BK		Res./Spare	Reserve / Spare
34	YE-BK		Res./Spare	Reserve / Spare
35	GY-BU		Res./Spare	Reserve / Spare
36	RD		2F1	Versorgungsspannung Motoren / Power Supply Motors
37	BN		2F2	Versorgungsspannung Sensoren / Power Supply Sensors