

GDe 4/4 6002

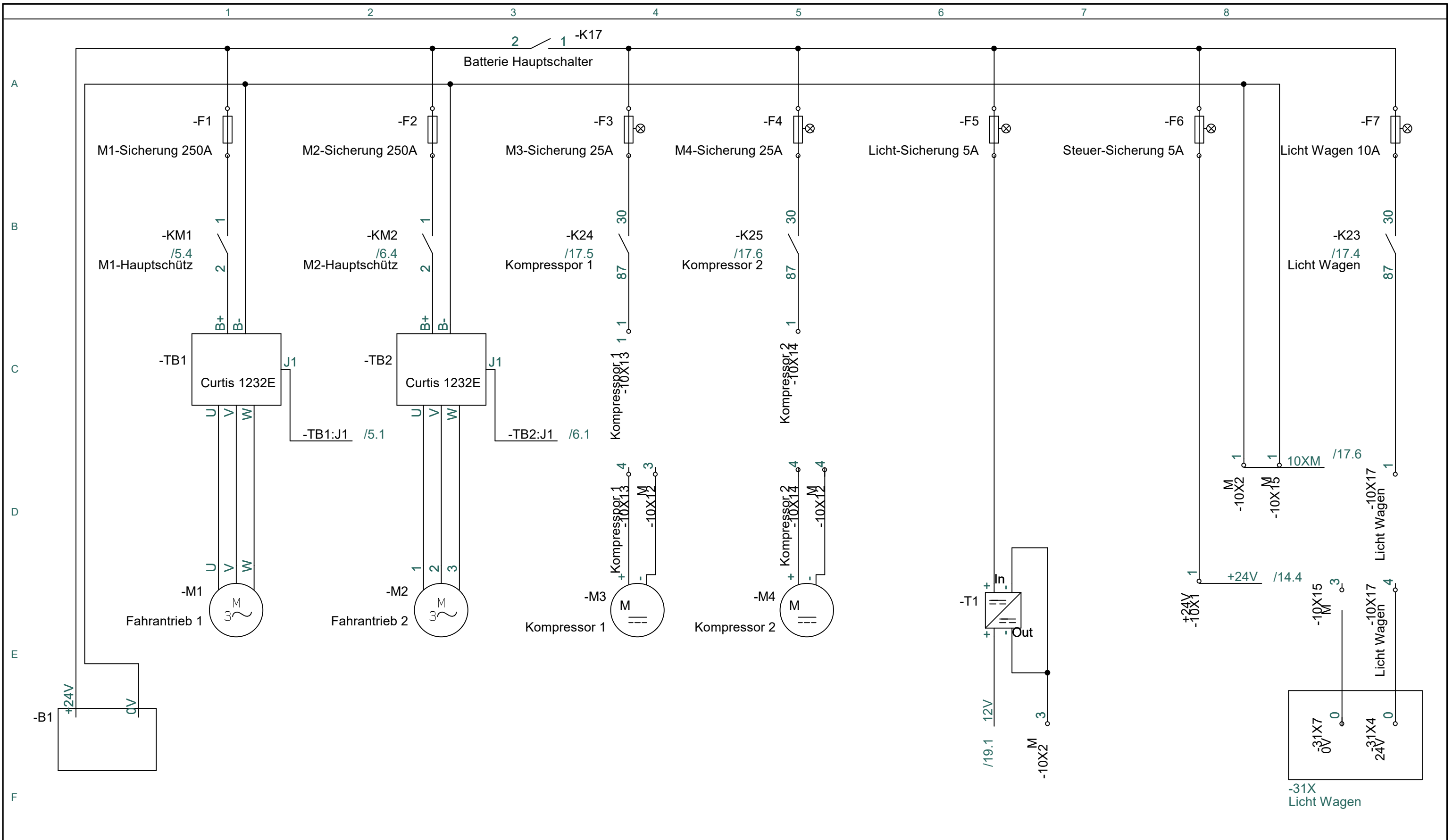


CUSTOM SERVICE GERMANN

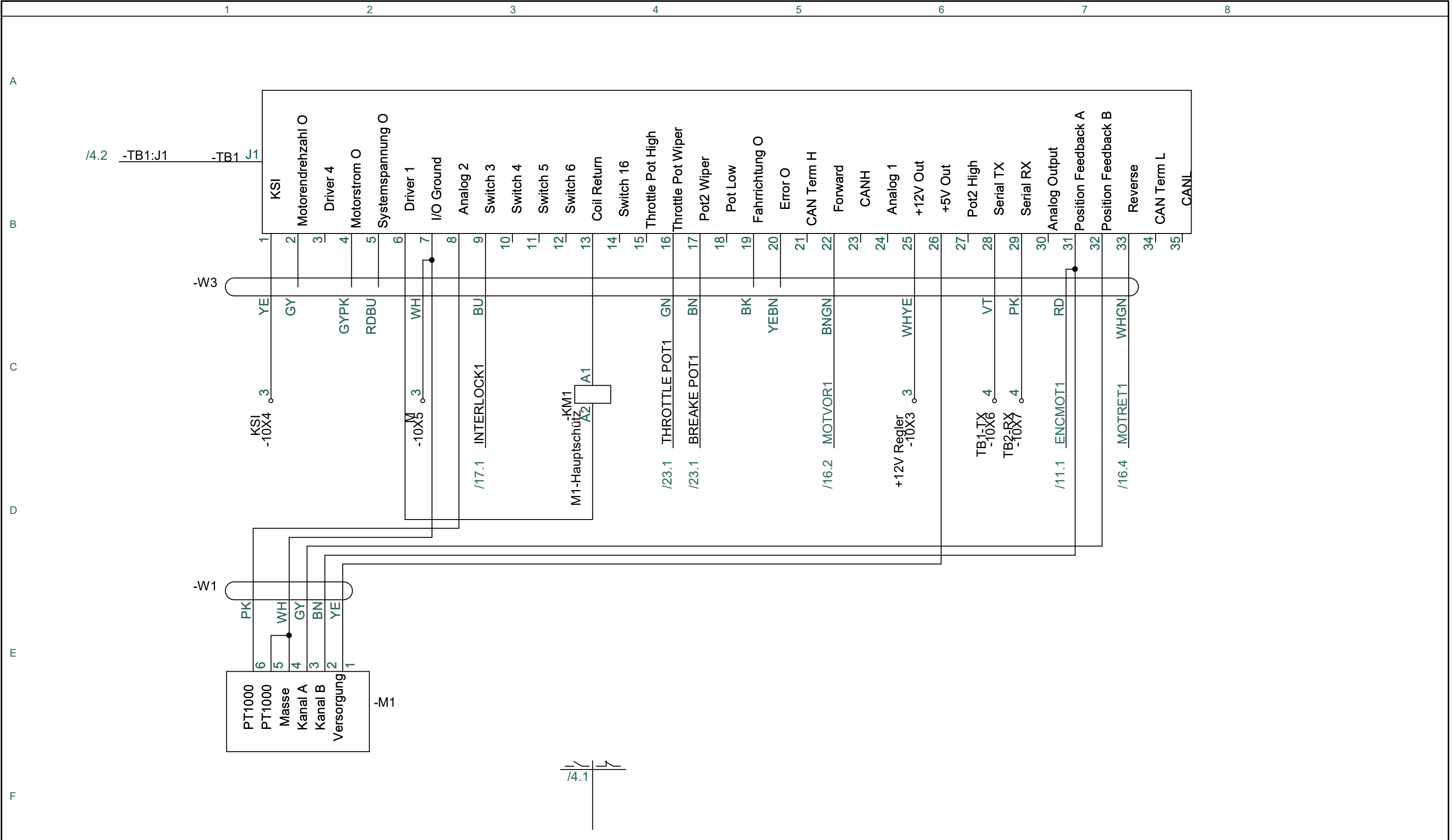
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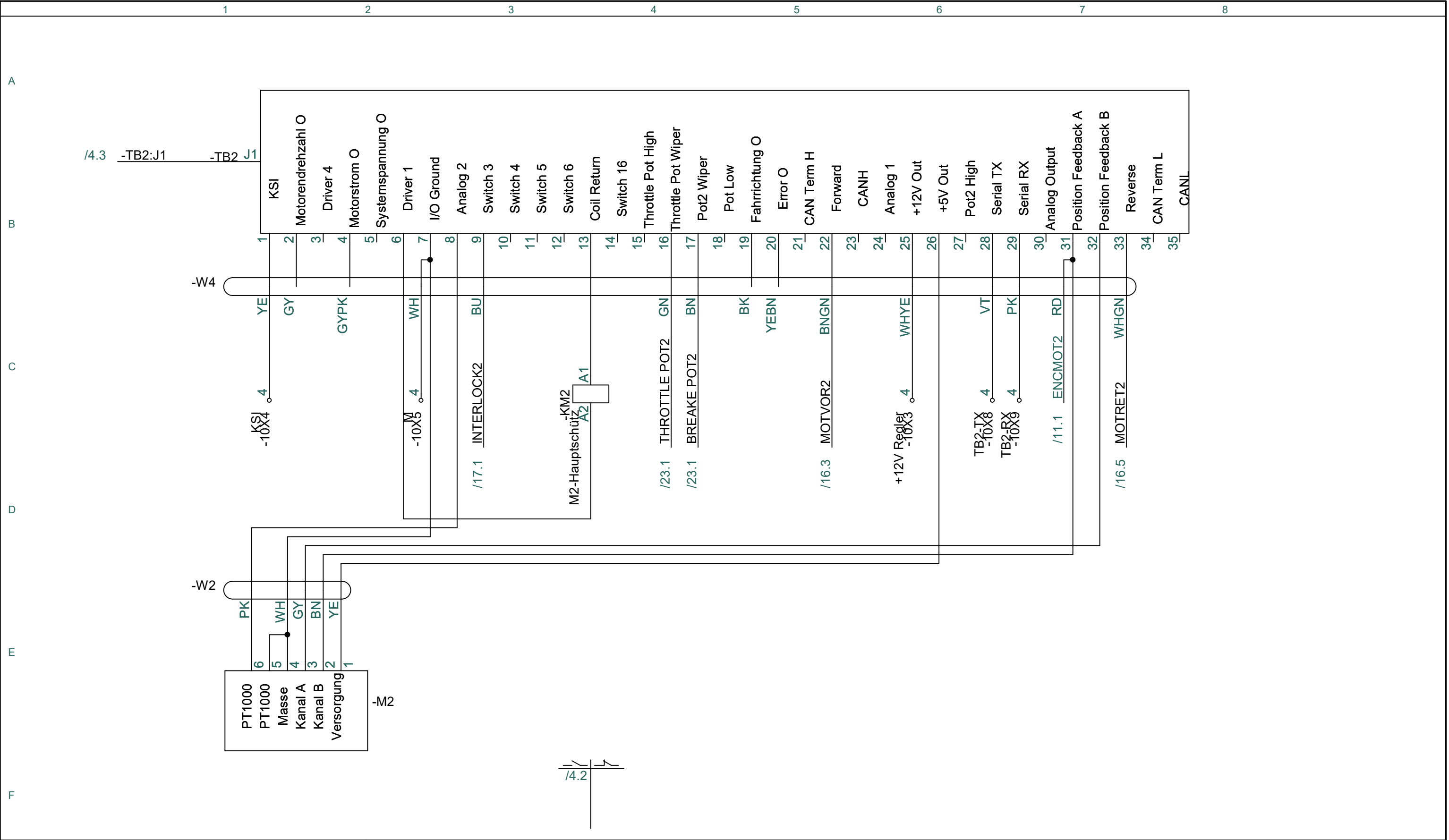
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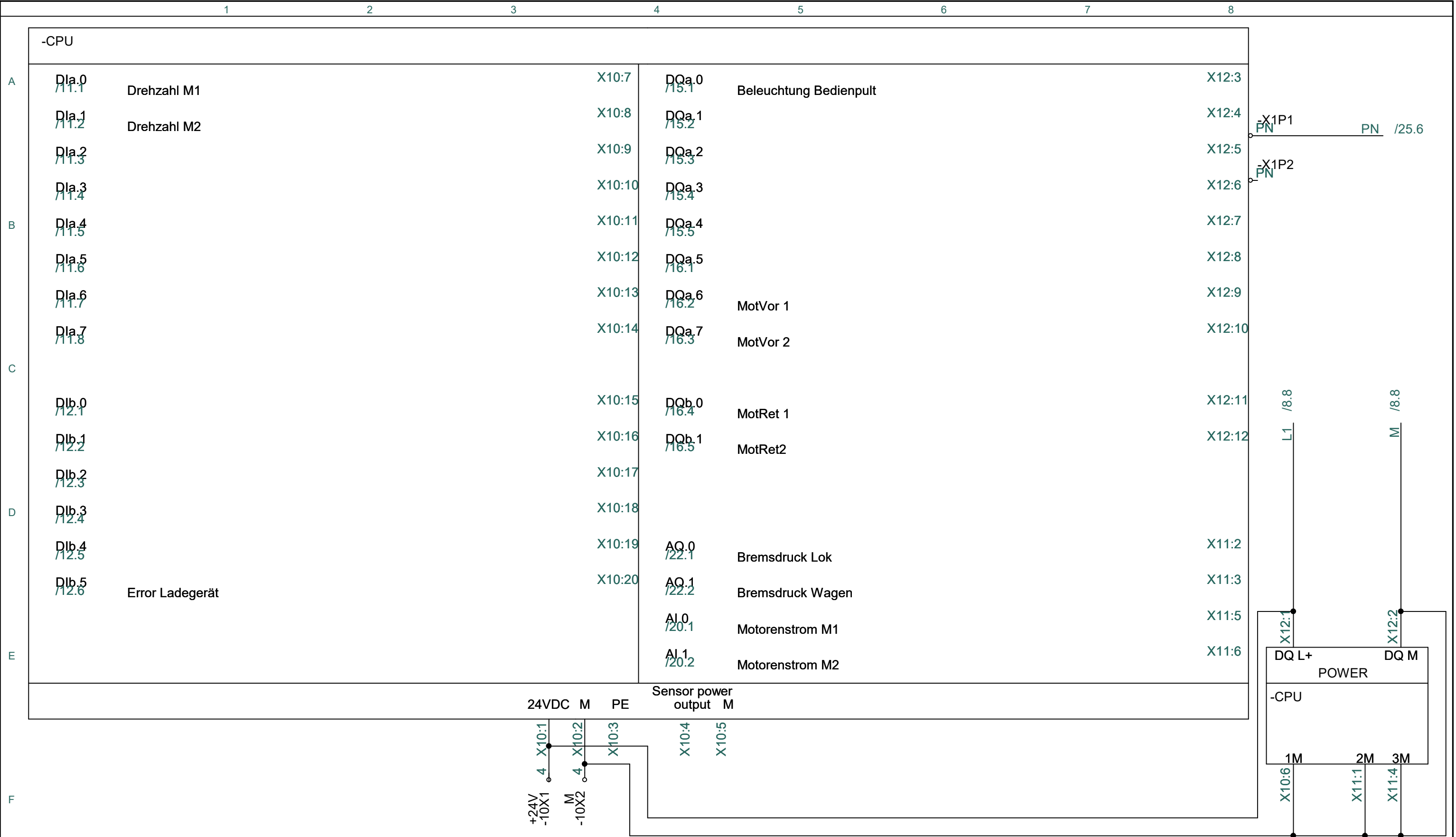


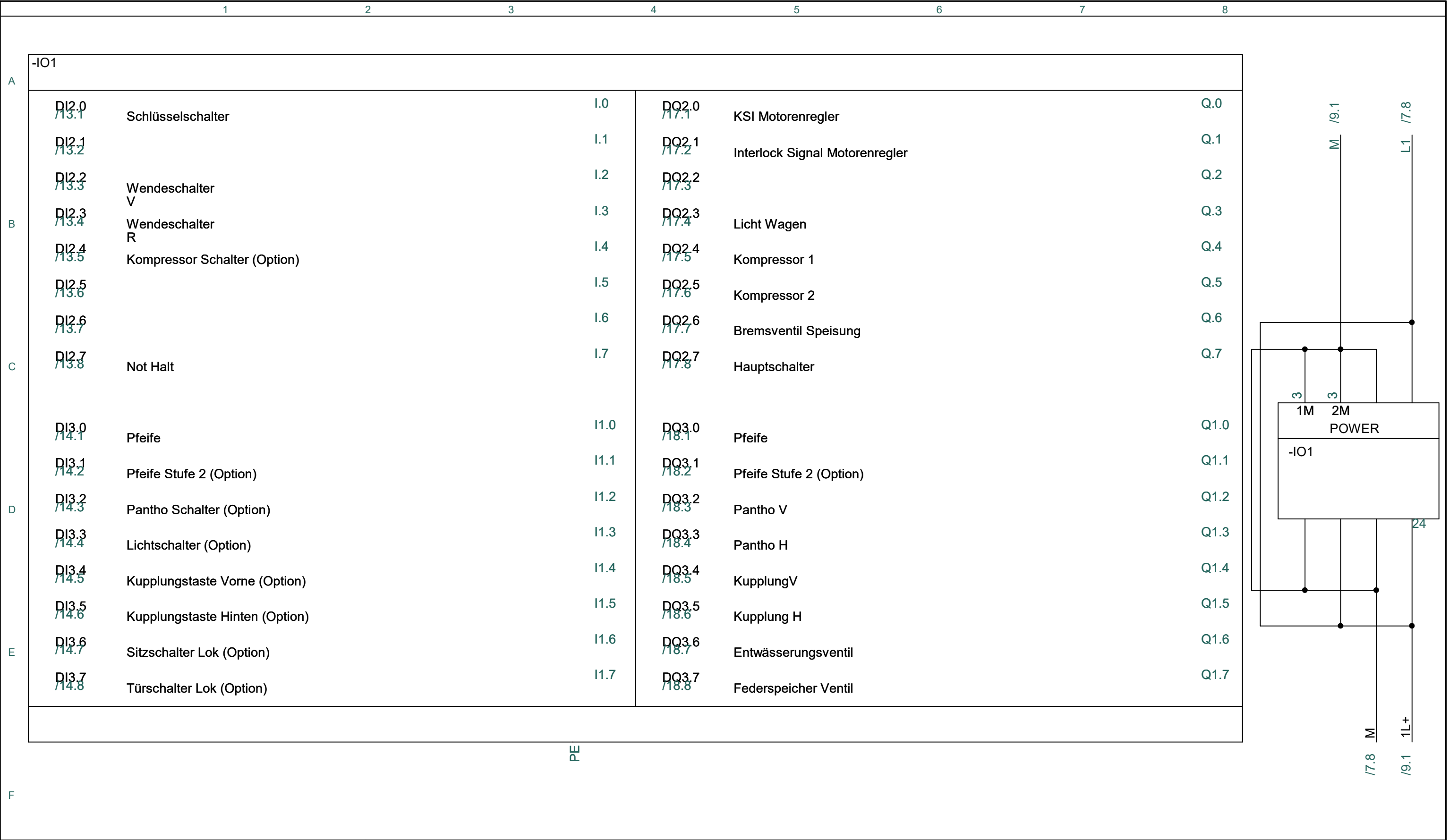
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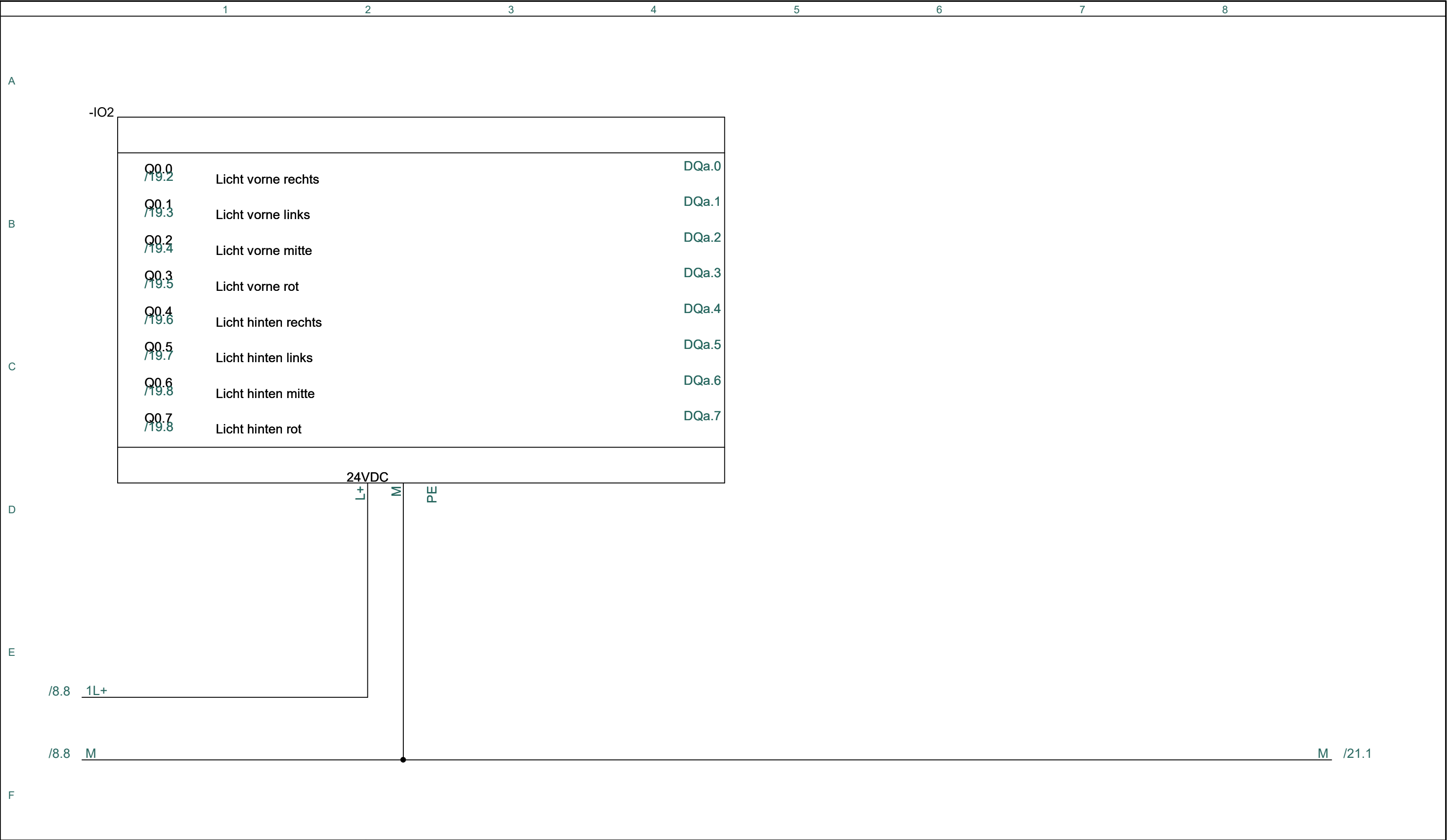


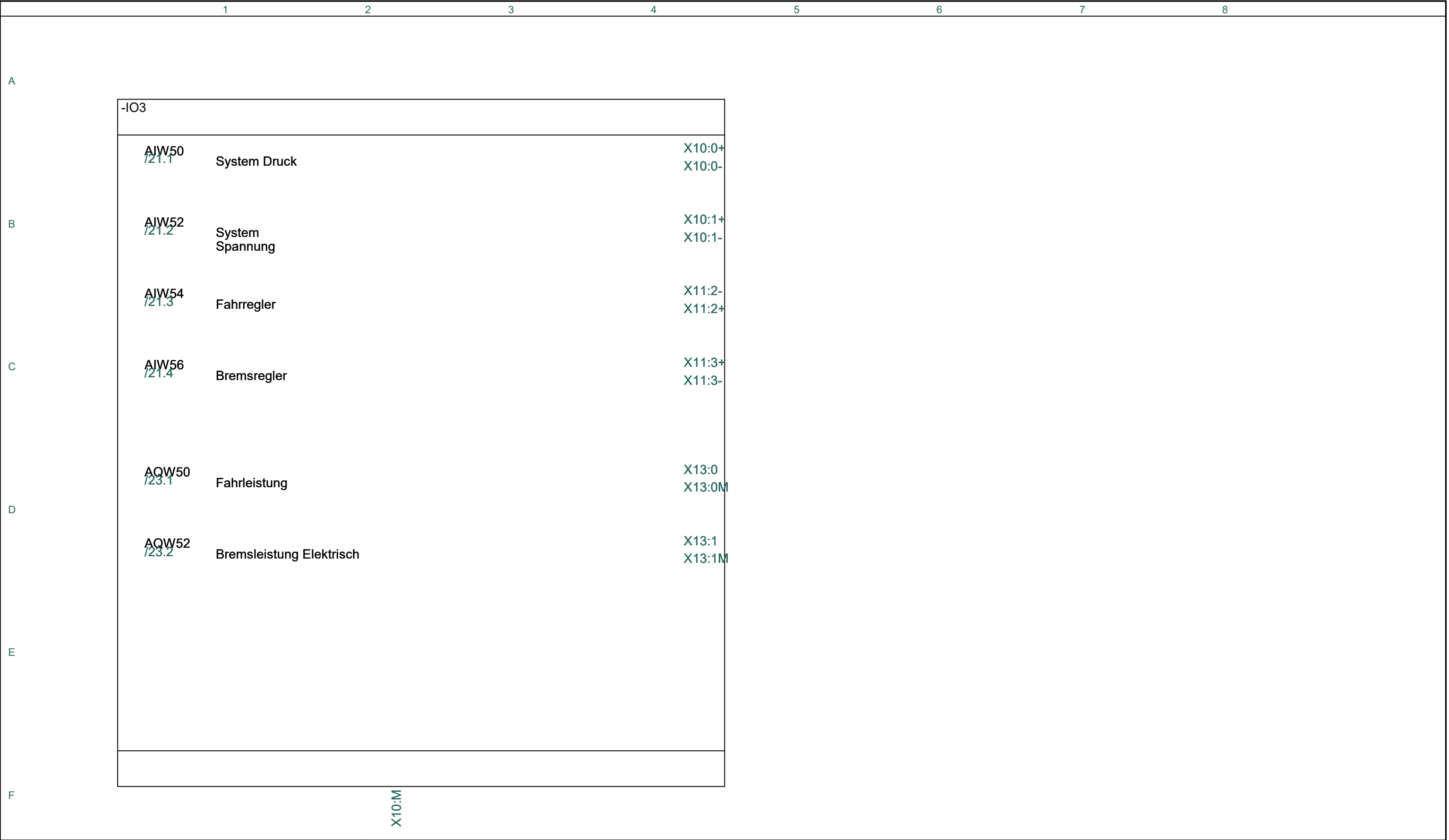
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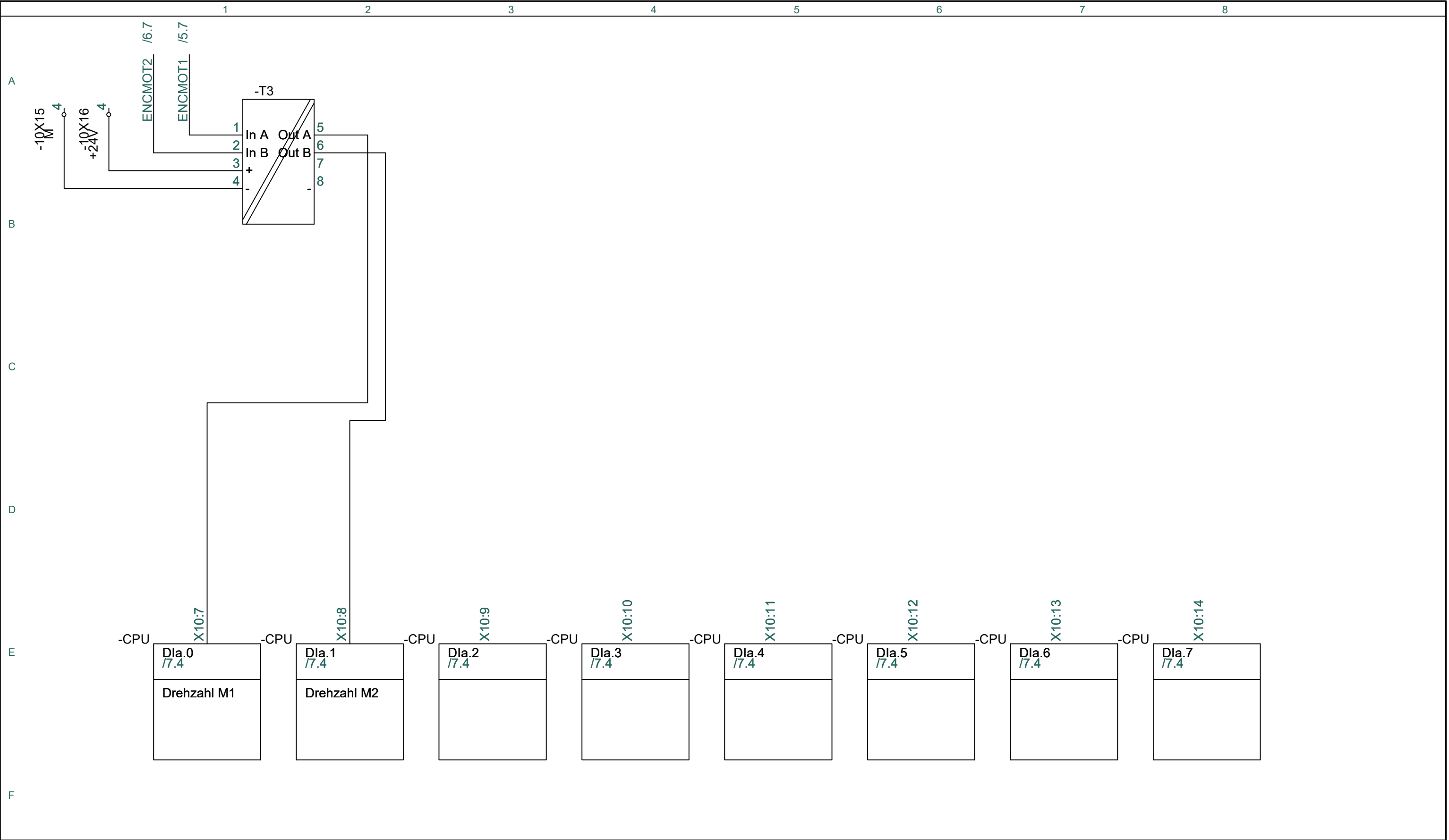


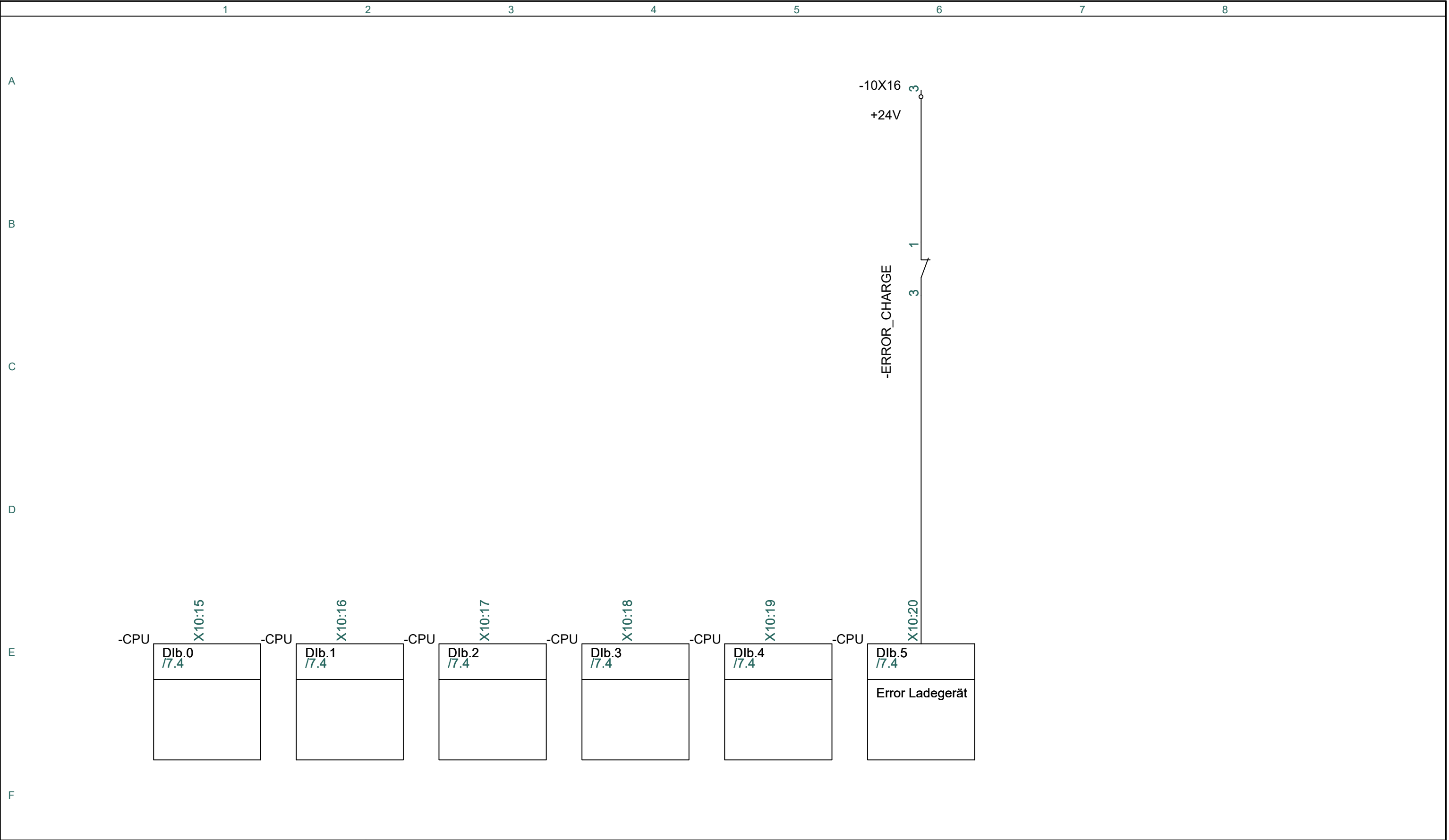


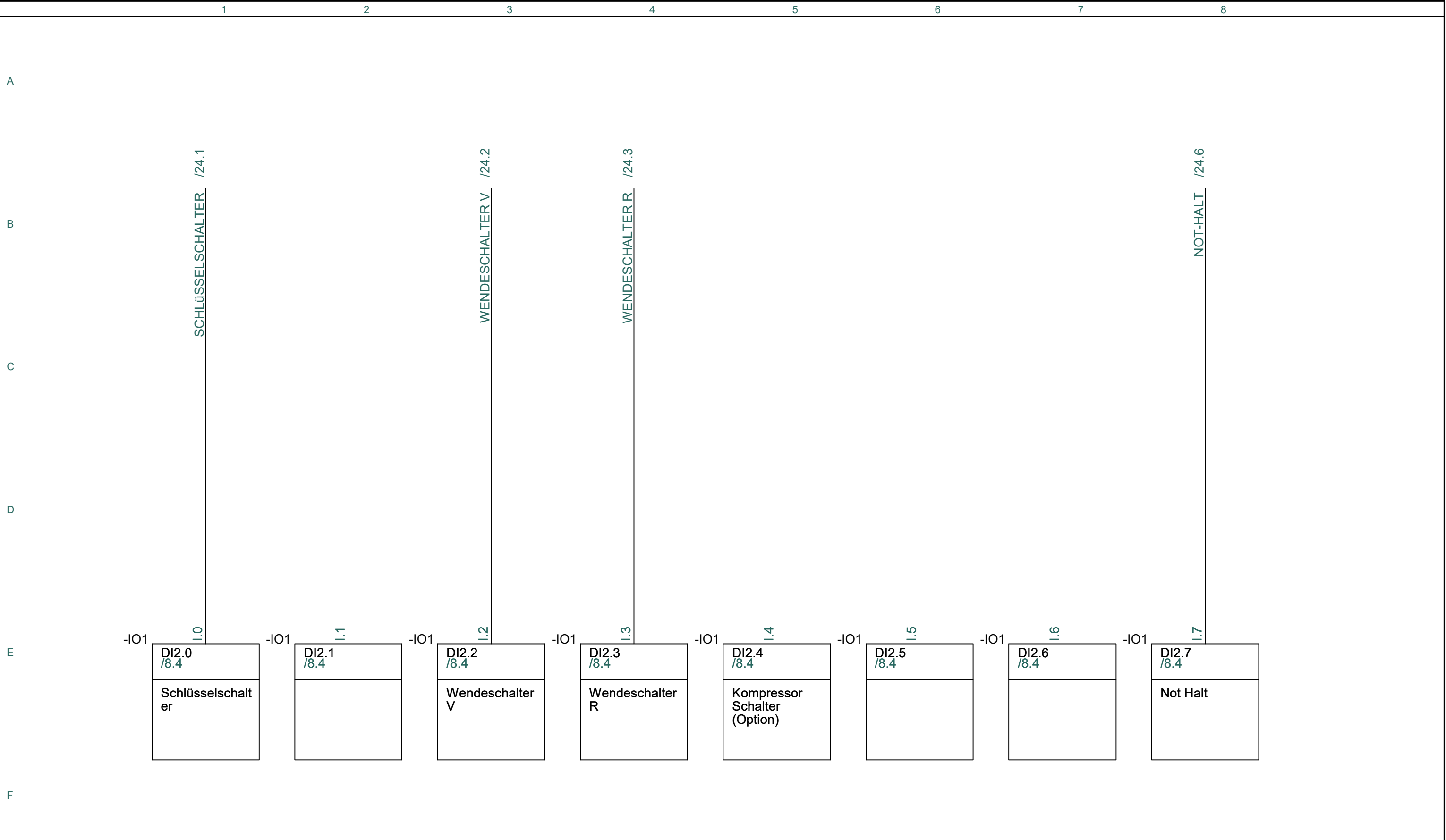


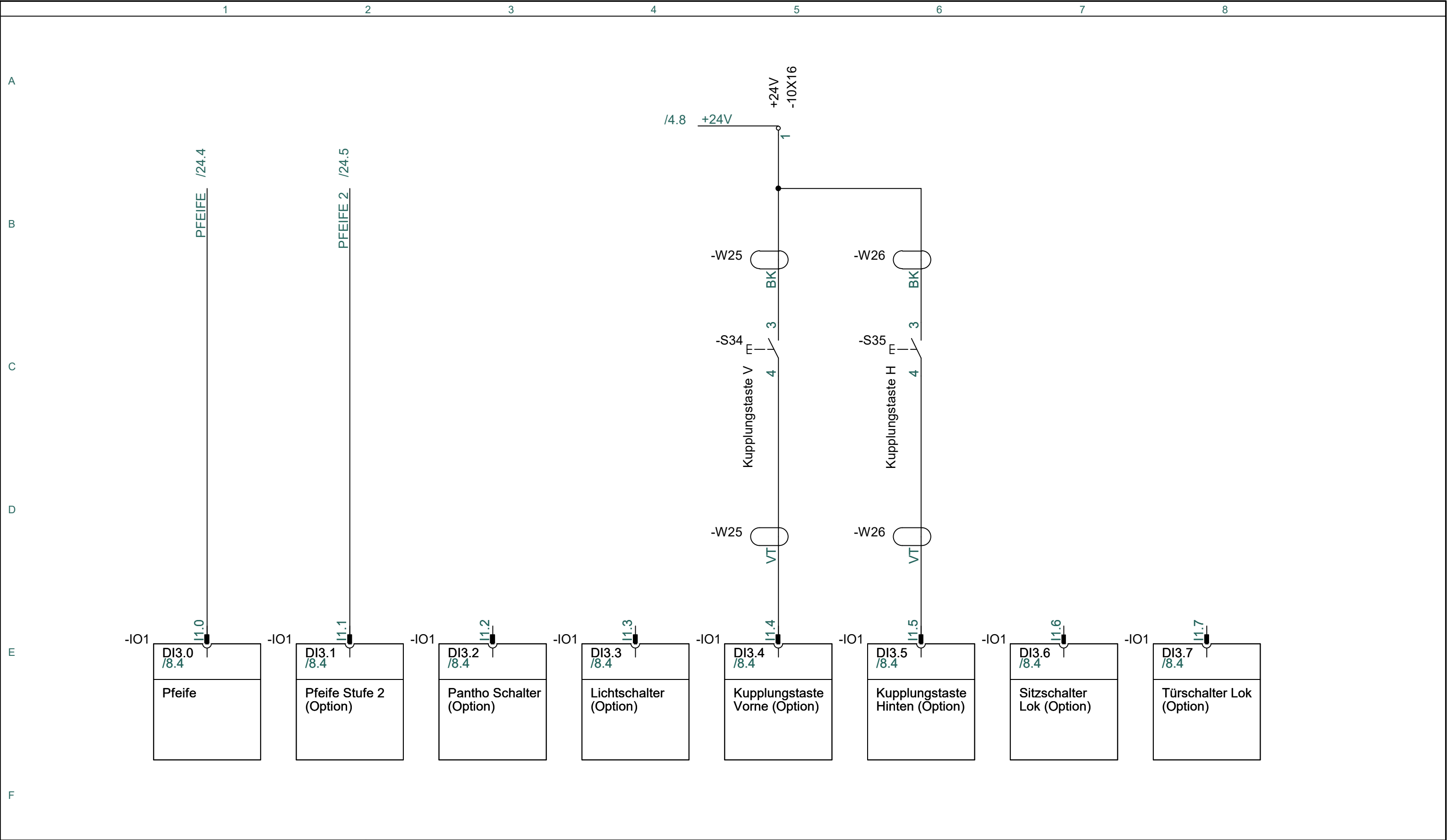




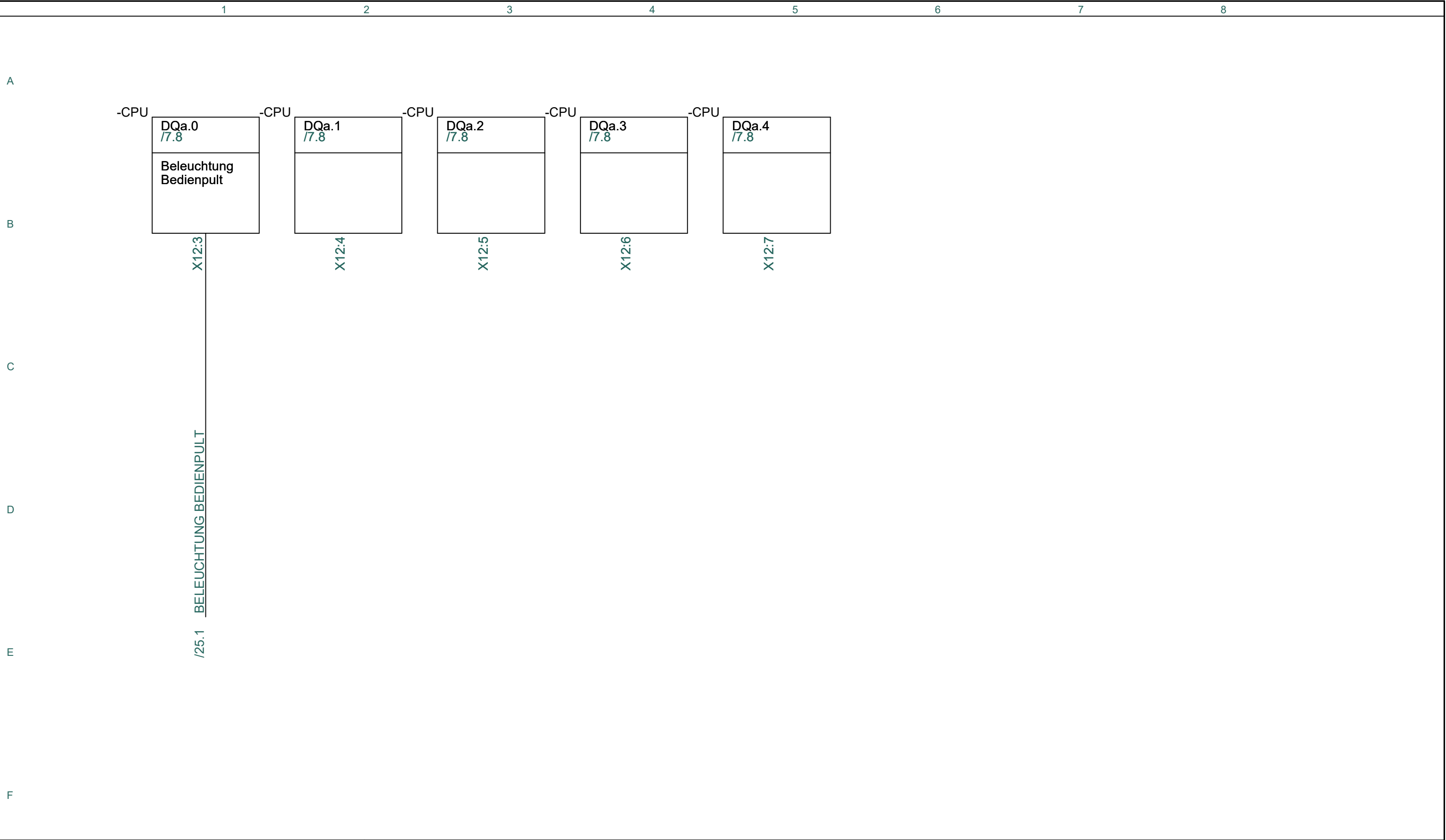


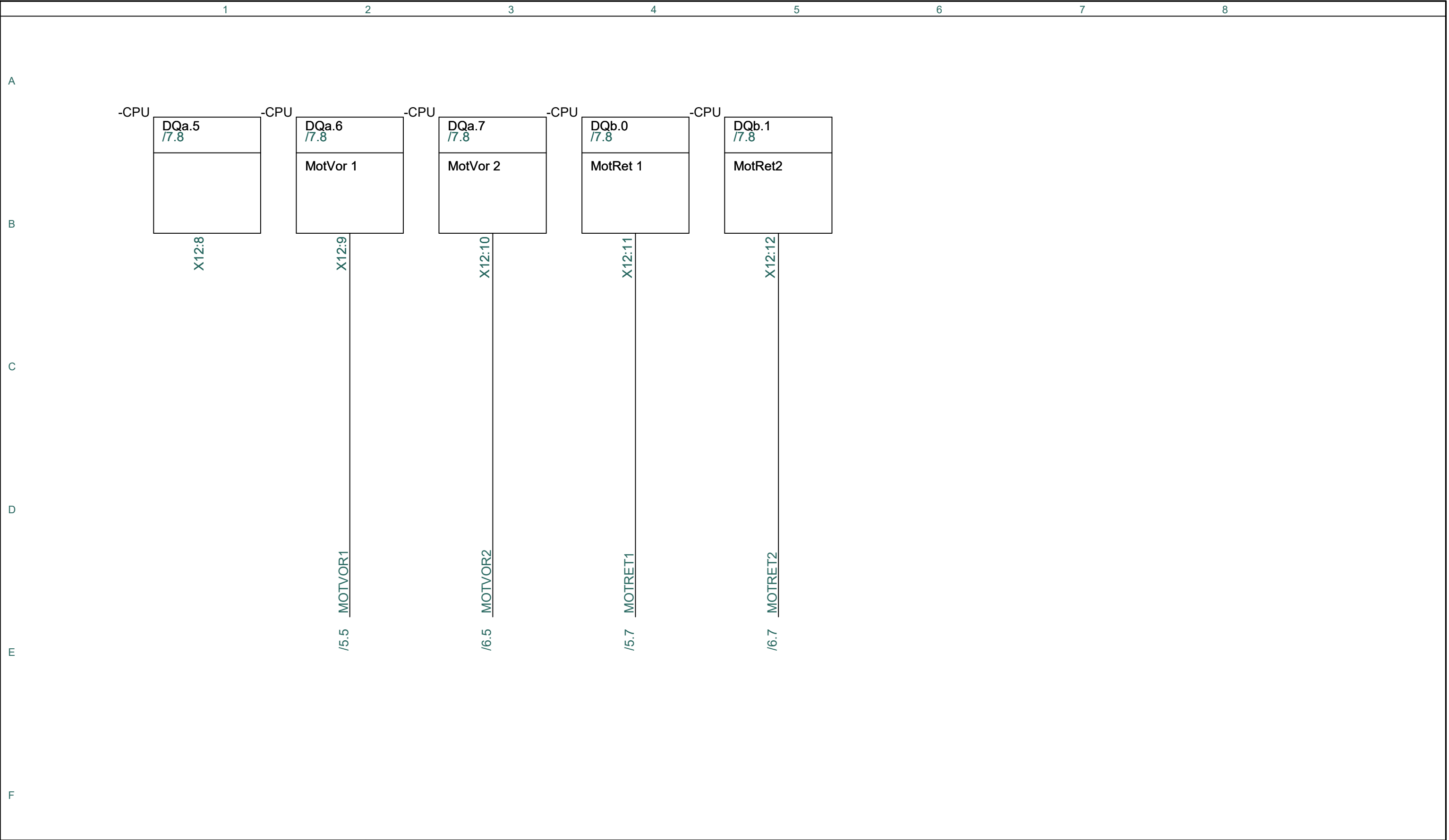


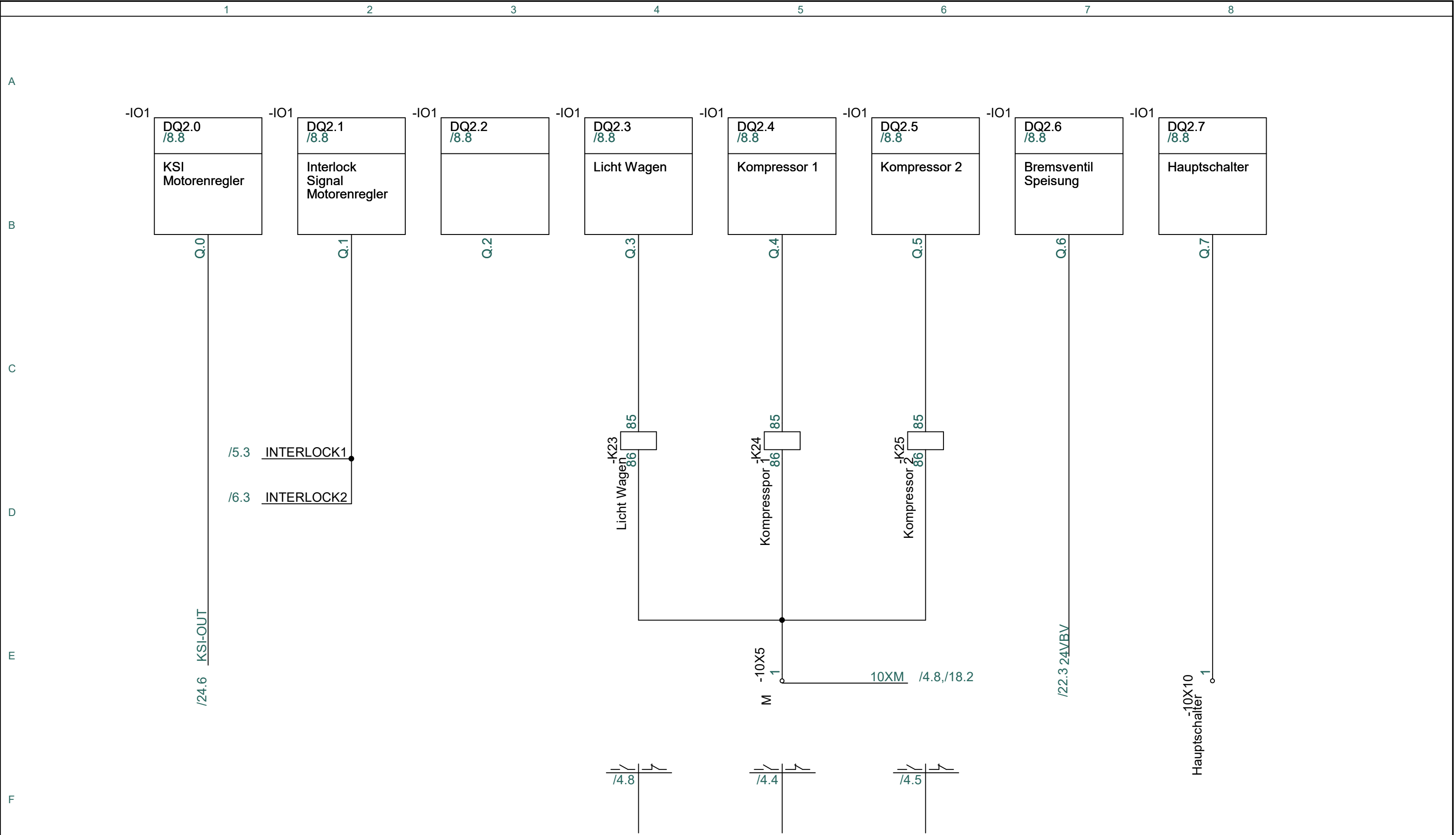




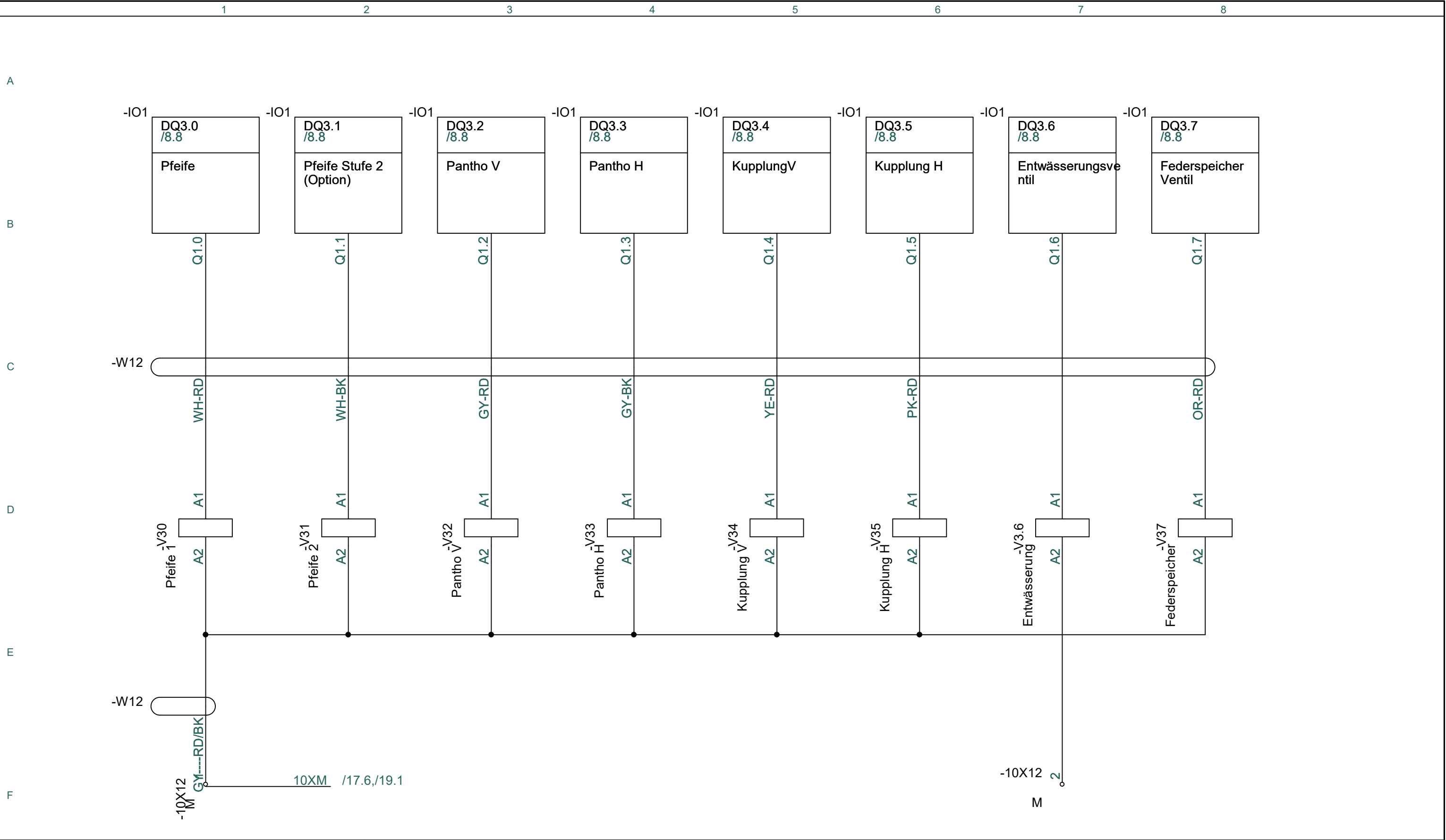
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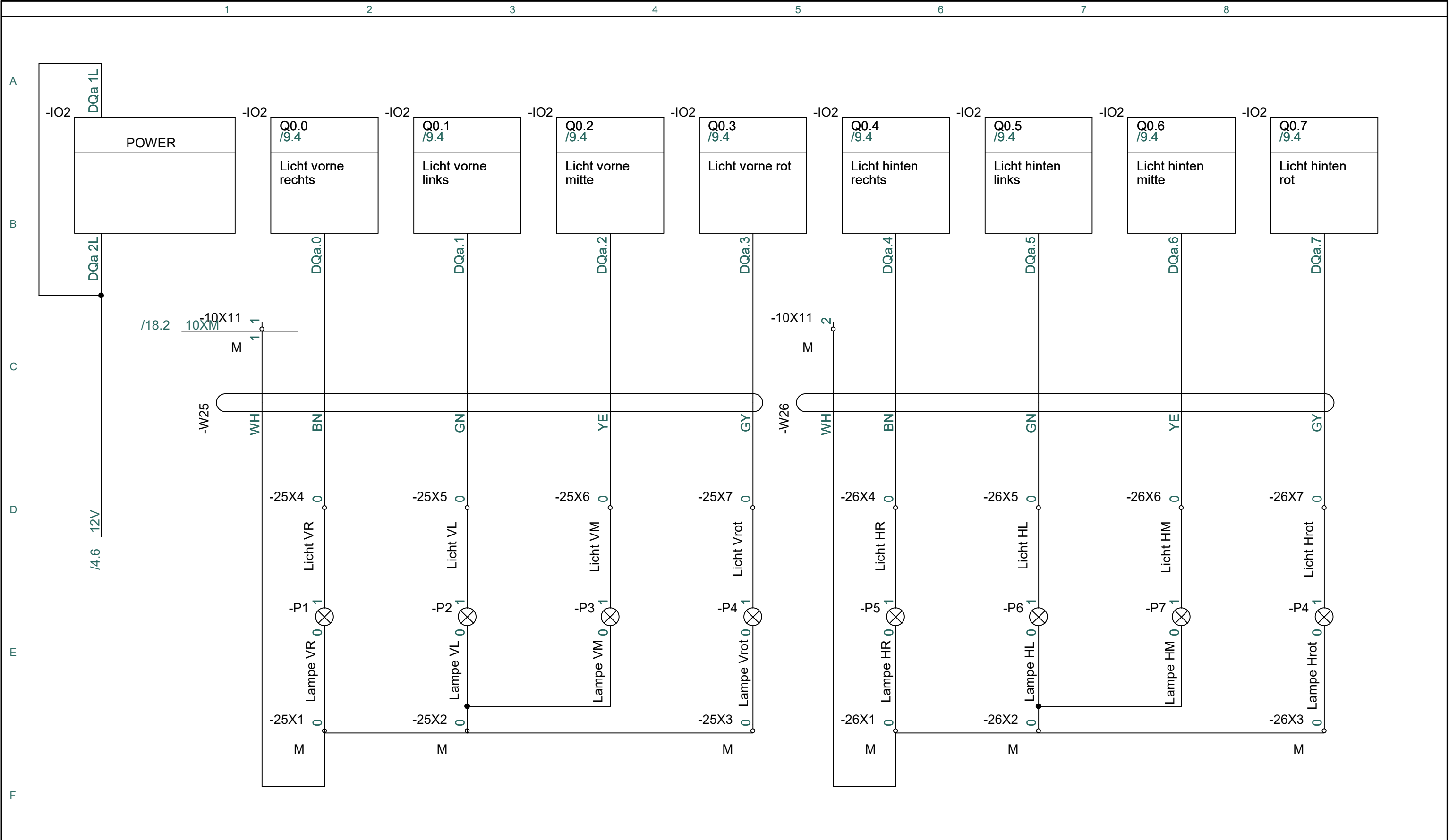




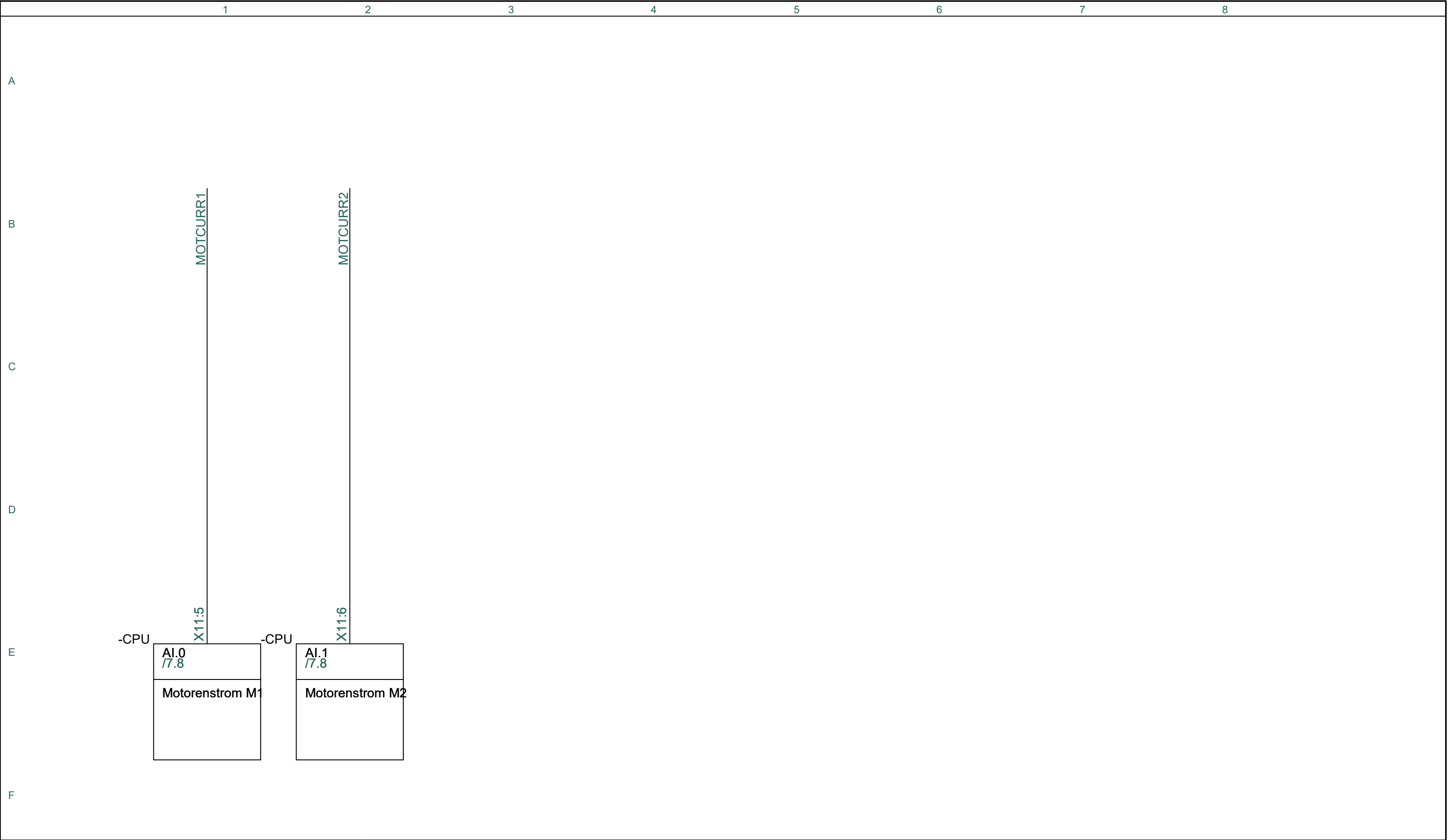
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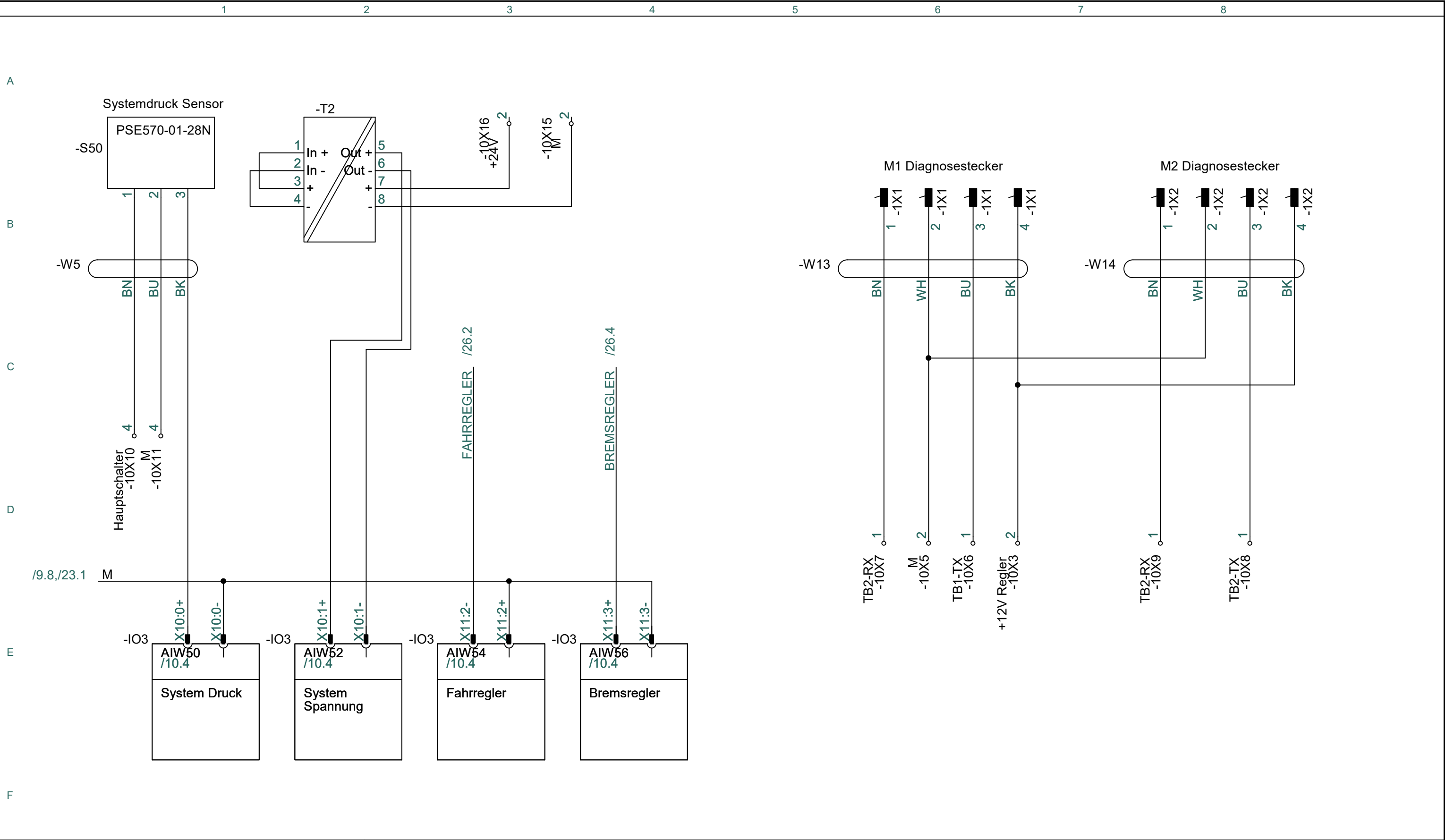
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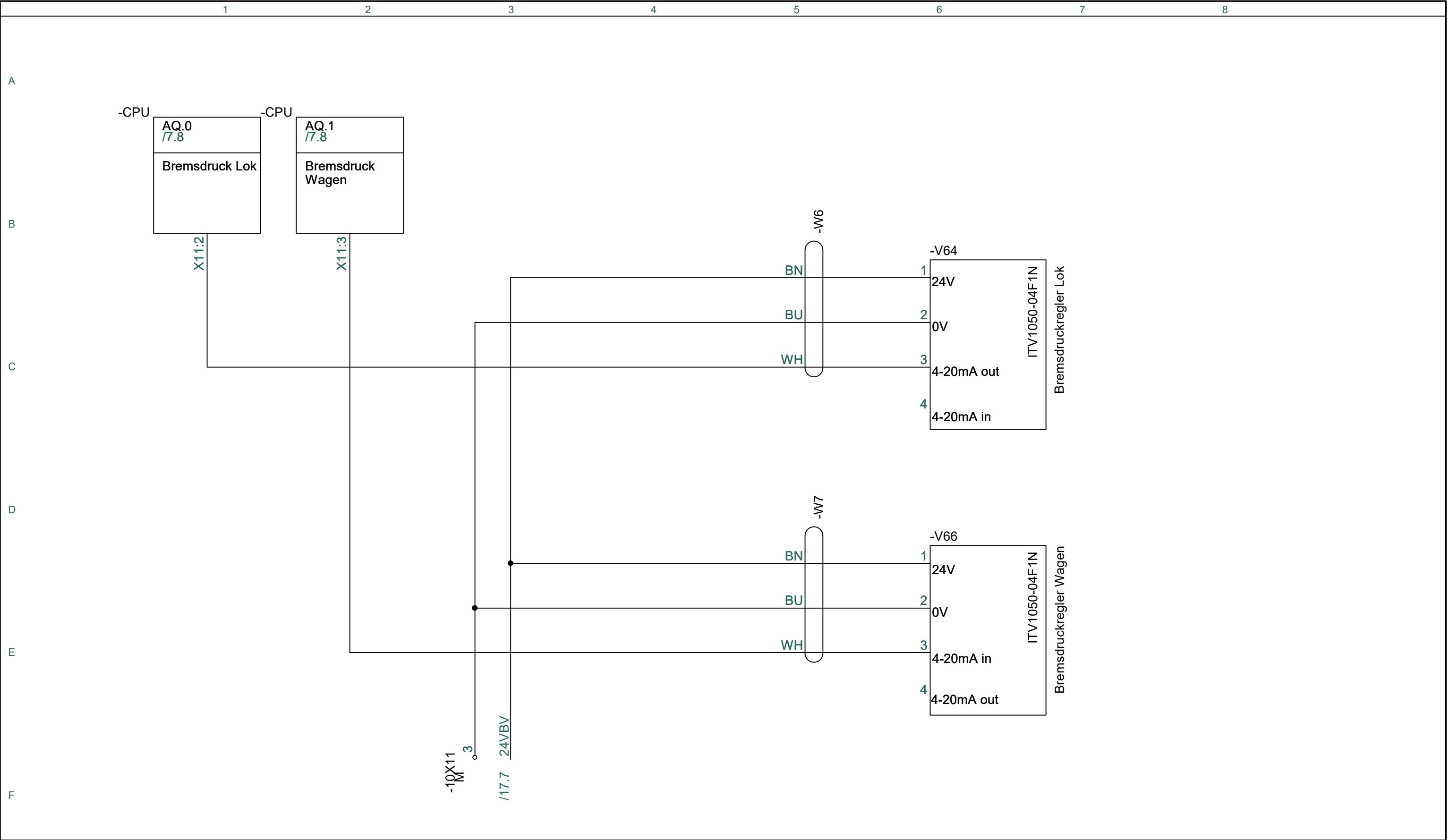
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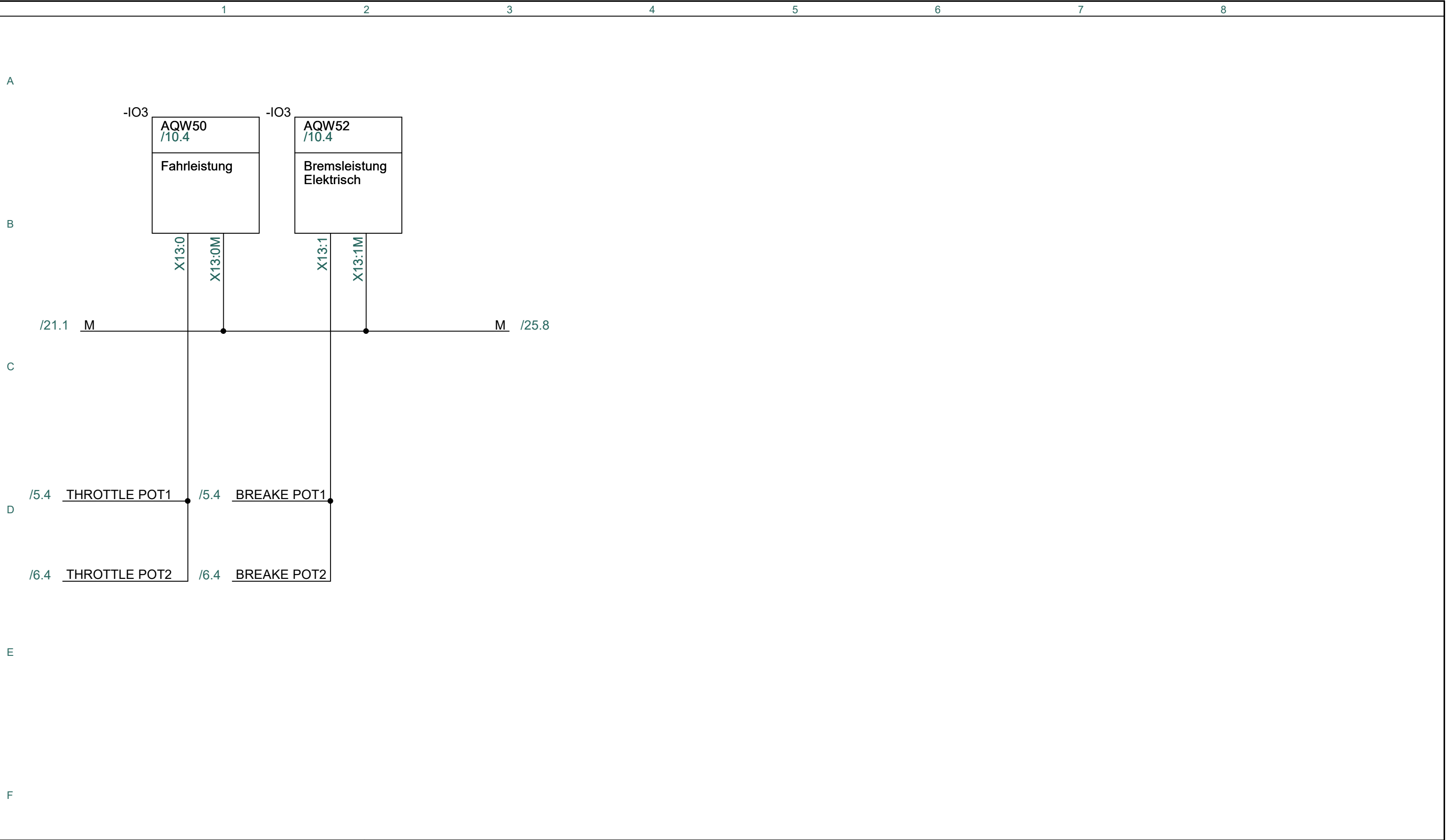
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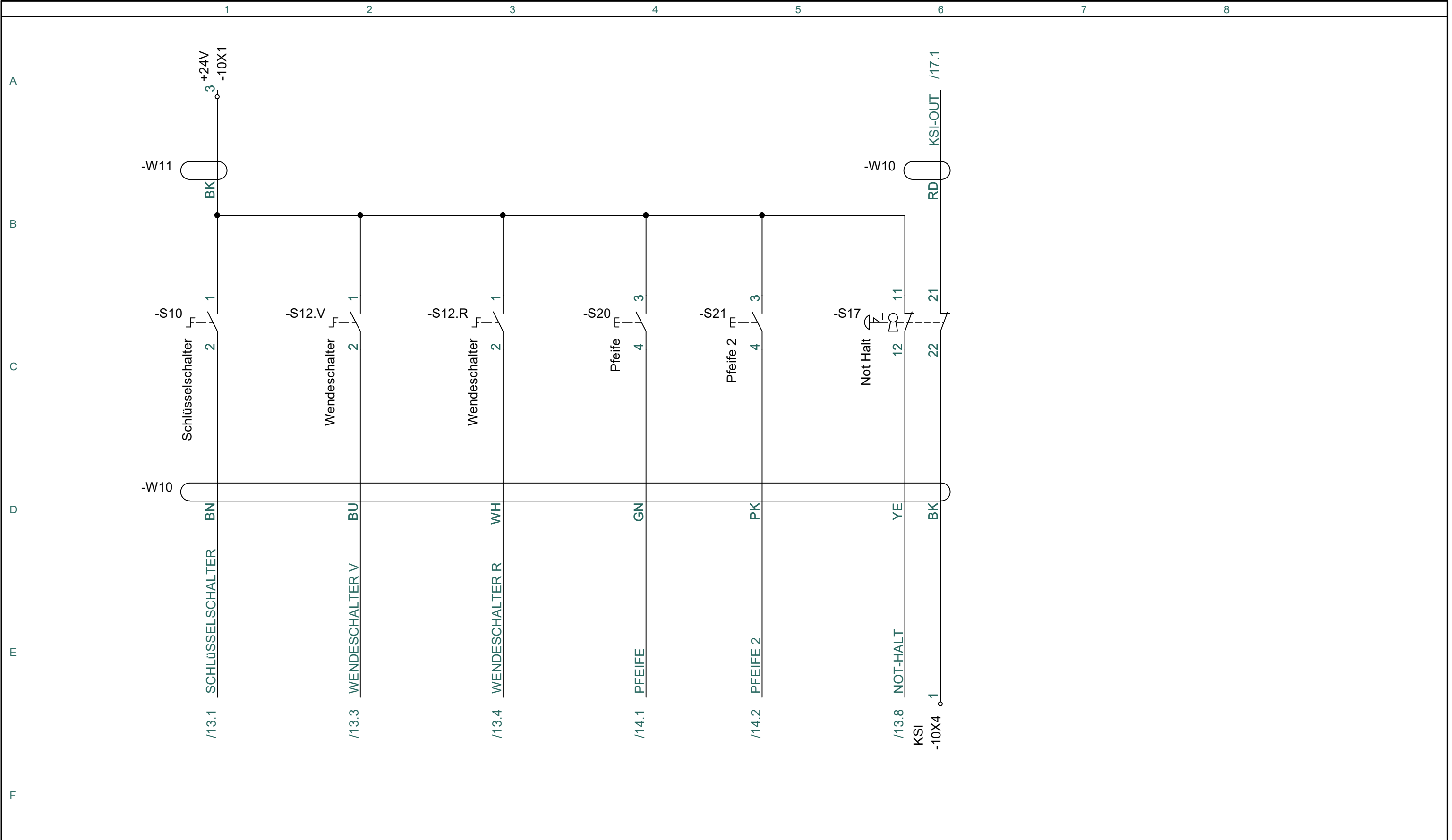
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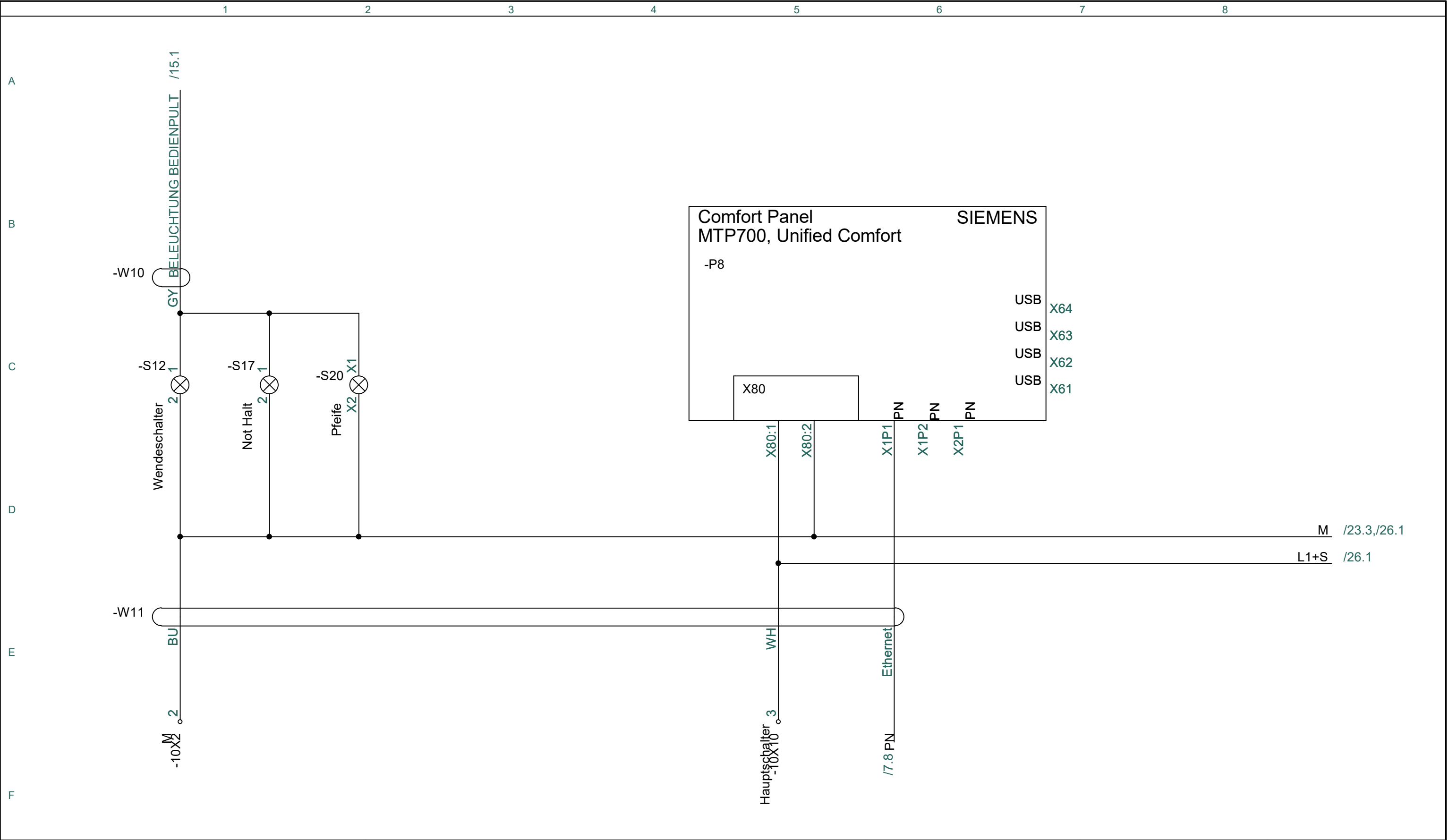
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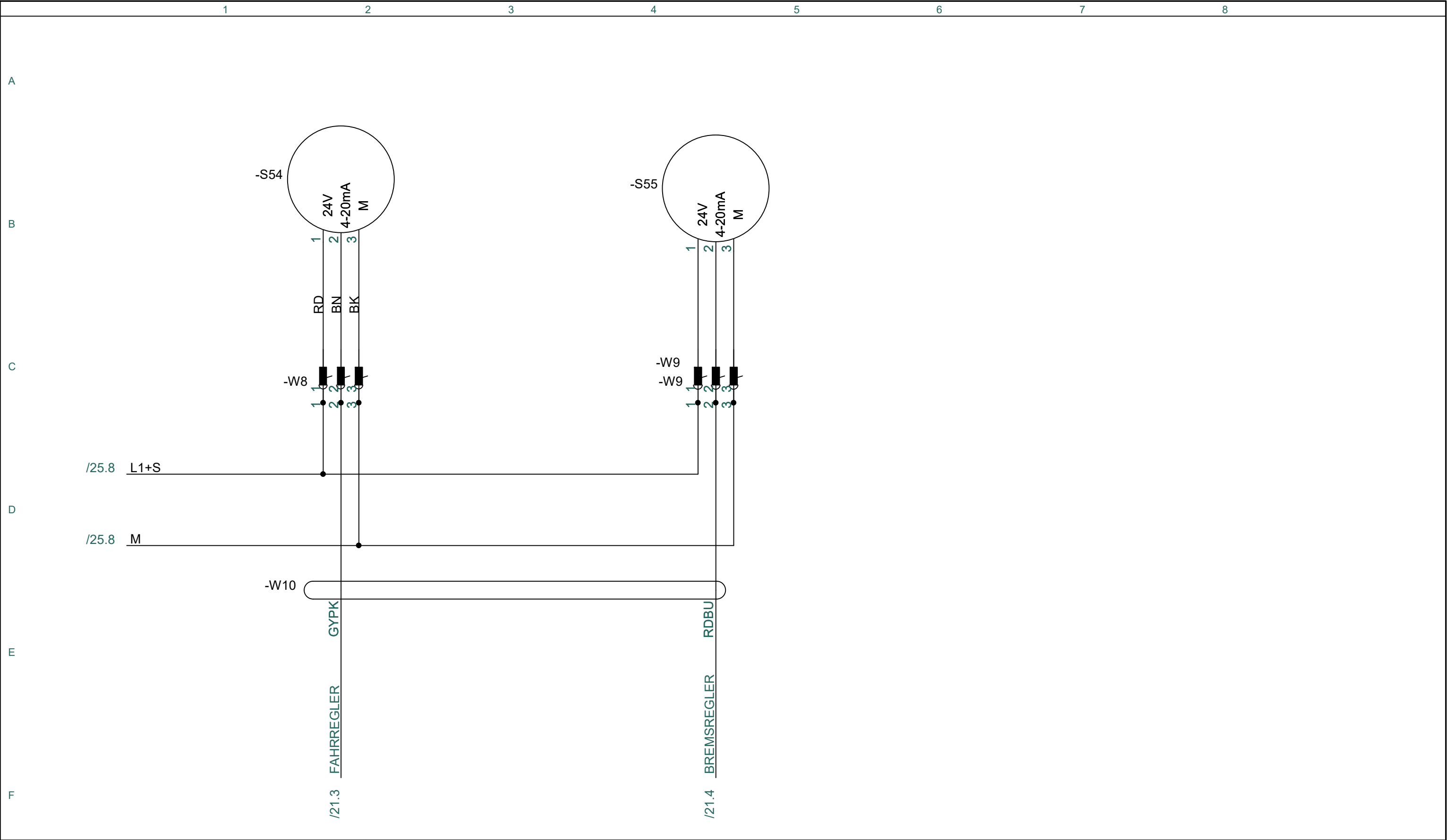
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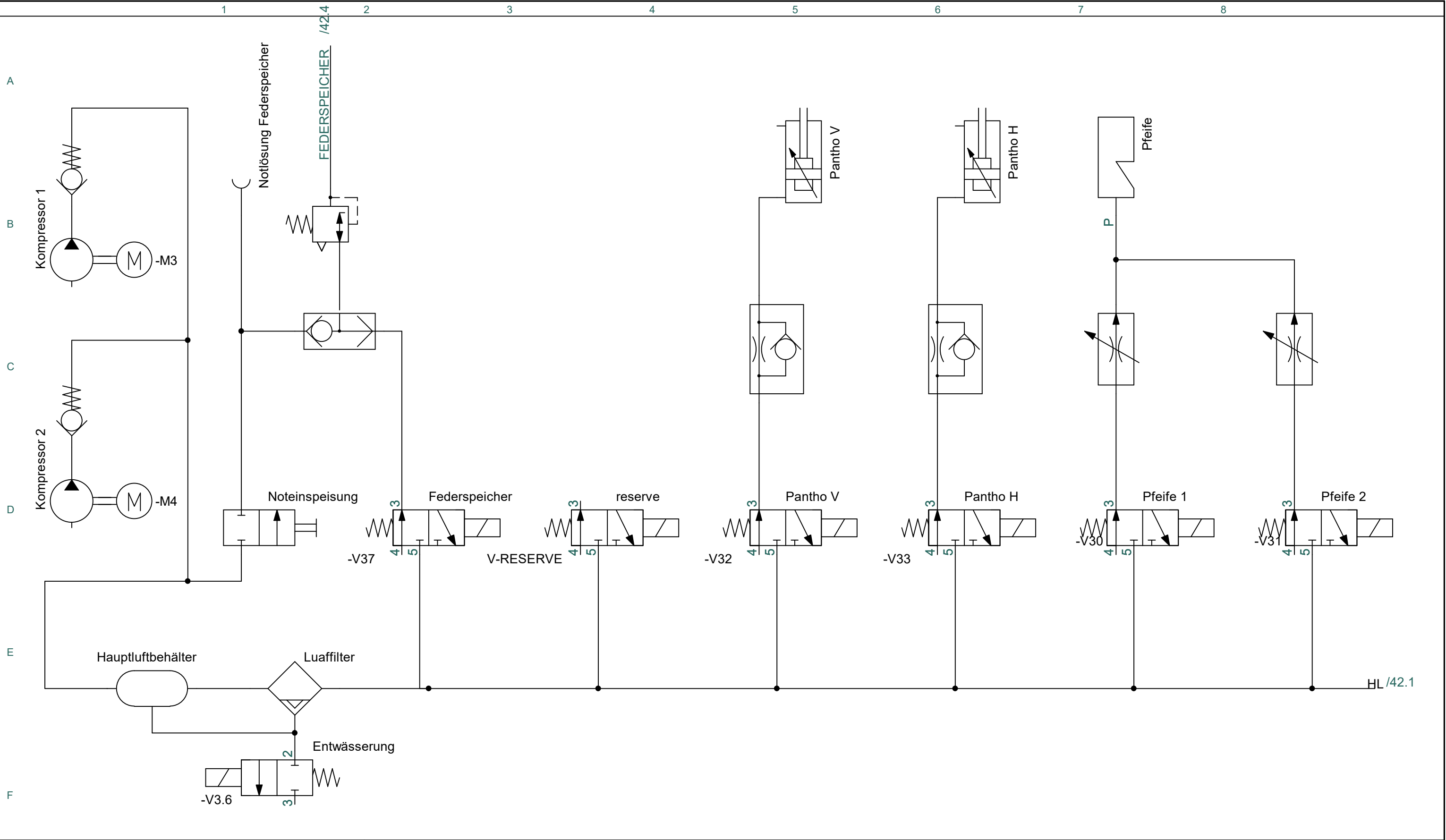
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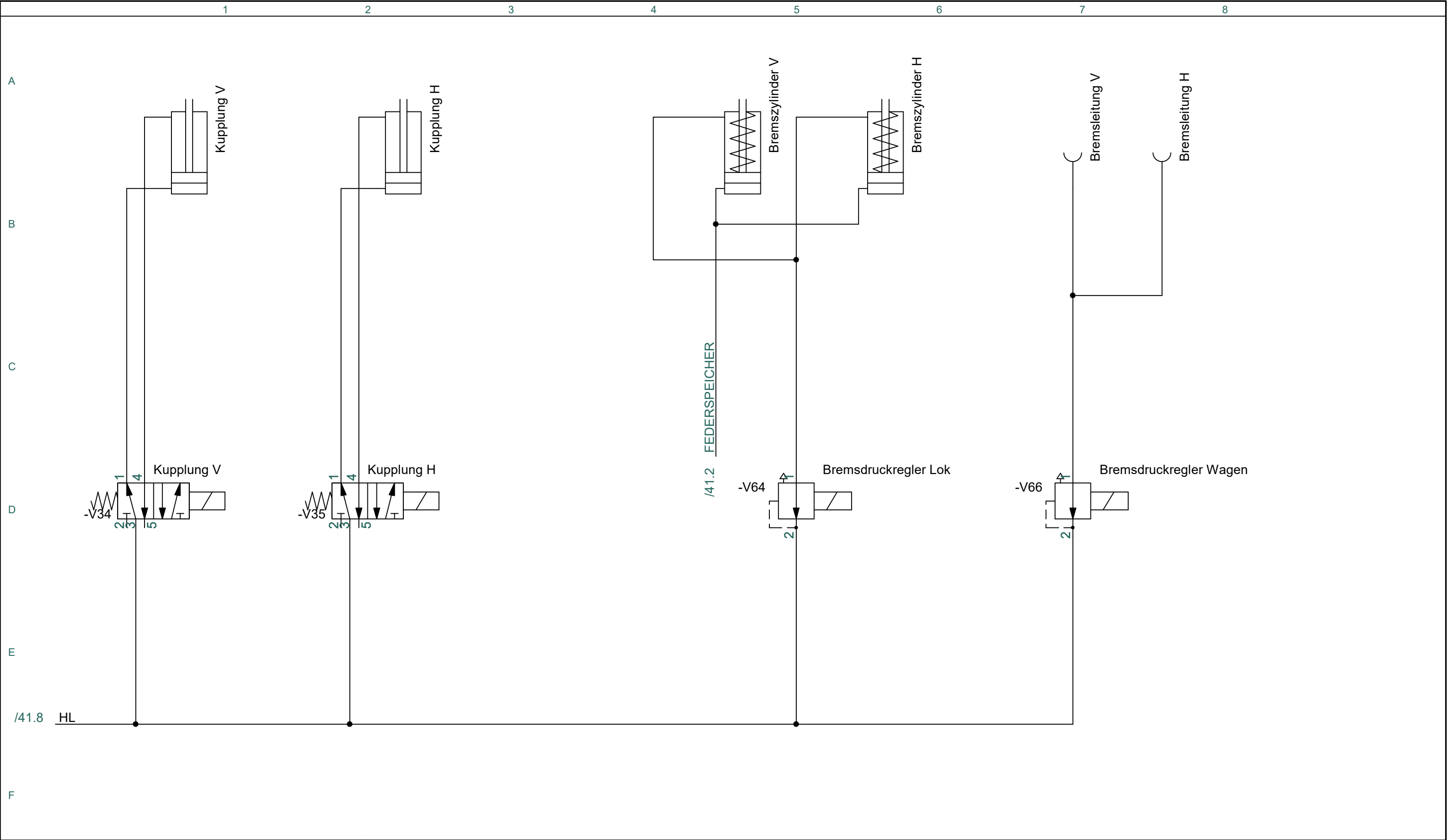
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Listen

Component	Article no.	Type	Function	Description	Manufacturer	Position
-1X1			M1 Diagnosestecker			/21.6
-1X2			M2 Diagnosestecker			/21.8
-10X1	4046356329859	PT 2,5-QUATTRO	+24V	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/4.8
-10X2	4046356329859	PT 2,5-QUATTRO	M	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/4.8
-10X3	4046356329859	PT 2,5-QUATTRO	+12V Regler	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/5.6
-10X4	4046356329859	PT 2,5-QUATTRO	KSI	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/5.1
-10X5	4046356329859	PT 2,5-QUATTRO	M	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/5.2
-10X6	4046356329859	PT 2,5-QUATTRO	TB1-TX	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/5.6
-10X7	4046356329859	PT 2,5-QUATTRO	TB2-RX	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/5.7
-10X8	4046356329859	PT 2,5-QUATTRO	TB2-TX	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/6.6
-10X9	4046356329859	PT 2,5-QUATTRO	TB2-RX	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/6.7
-10X10	4046356329859	PT 2,5-QUATTRO	Hauptschalter	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/17.8
-10X11	4046356329859	PT 2,5-QUATTRO	M	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/19.1
-10X12	4046356329859	PT 2,5-QUATTRO	M	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/4.4
-10X13	4046356329859	PT 2,5-QUATTRO	Kompresspor 1	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/4.4
-10X14	4046356329859	PT 2,5-QUATTRO	Kompressor 2	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/4.5
-10X15	4046356329859	PT 2,5-QUATTRO	M	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/4.8
-10X16	4046356329859	PT 2,5-QUATTRO	+24V	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/11.1
-10X17	4046356329859	PT 2,5-QUATTRO	Licht Wagen	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/4.8
-25X1	4046356768719	MPT 1,5/S	M	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/19.2
-25X2	4046356768719	MPT 1,5/S	M	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/19.3
-25X3	4046356768719	MPT 1,5/S	M	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/19.5
-25X4	4046356768719	MPT 1,5/S	Licht VR	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/19.2
-25X5	4046356768719	MPT 1,5/S	Licht VL	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/19.3
-25X6	4046356768719	MPT 1,5/S	Licht VM	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/19.4
-25X7	4046356768719	MPT 1,5/S	Licht Vrot	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/19.5
-26X1	4046356768719	MPT 1,5/S	M	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/19.6
-26X2	4046356768719	MPT 1,5/S	M	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/19.7



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Component	Article no.	Type	Function	Description	Manufacturer	Position
-26X3	4046356768719	MPT 1,5/S	M	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	19.8
-26X4	4046356768719	MPT 1,5/S	Licht HR	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	19.6
-26X5	4046356768719	MPT 1,5/S	Licht HL	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	19.7
-26X6	4046356768719	MPT 1,5/S	Licht HM	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	19.8
-26X7	4046356768719	MPT 1,5/S	Licht Hrot	Feed-through modular terminal block	PHOENIX CONTACT GmbH & Co. KG	19.8
-31X4			24V			/4.8
-31X7			0V			/4.8
-B1						/4.1
-CPU	4047623402756	6ES7215-1AG40-0XB0		SIMATIC S7-1200, CPU 1215C, COMPACT CPU, DC/DC/DC	Siemens	/7.4
-ERROR_CHARGE						/12.6
-F1	190026	HMG1	M1-Sicherung 250A	Sicherungshalter MegaOTO-Sicherung, iMaXX		/4.1
-F2	190026	HMG1	M2-Sicherung 250A	Sicherungshalter MegaOTO-Sicherung, iMaXX		/4.2
-F3	4055626394336	PT 6-FSI/C-LED 24	M3-Sicherung 25A	Fuse modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/4.4
-F4	4055626394336	PT 6-FSI/C-LED 24	M4-Sicherung 25A	Fuse modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/4.5
-F5	4055626394336	PT 6-FSI/C-LED 24	Licht-Sicherung 5A	Fuse modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/4.6
-F6	4055626394336	PT 6-FSI/C-LED 24	Steuer-Sicherung 5A	Fuse modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/4.8
-F7	4055626394336	PT 6-FSI/C-LED 24	Licht Wagen 10A	Fuse modular terminal block	PHOENIX CONTACT GmbH & Co. KG	/4.8
-IO1	6940408102002	6ES7223-1BL32-0XB0		DIGITAL I/O SM 1223, 16DI/16DO	Siemens	/8.4
-IO2	6940408101944	6ES7222-1HF32-0XB0		S7-1200, DIGITAL OUTPUT SM 1222, 8 DO, RELAY 2A	Siemens	/9.2
-IO3	6940408102071	6ES7234-4HE32-0XB0		ANALOG I/O SM 1234, 4AI/2AO	Siemens	/10.2
-K17	9292095	9292095	Batterie Hauptschalter	Batteriehauptschalter 450A		/4.3
-K23	2050000399510	FRC7C-S	Licht Wagen	KFZ Relais Micro 1co/1nc		/17.4
-K24	2050000399510	FRC7C-S	Kompresspor 1	KFZ Relais Micro 1co/1nc		/17.5
-K25	2050000399510	FRC7C-S	Kompressor 2	KFZ Relais Micro 1co/1nc		/17.6
-KM1	190032	Schütz 1P DC, 24V, 280A	M1-Hauptschütz		Allbright	/5.4
-KM2	190032	Schütz 1P DC, 24V, 280A	M2-Hauptschütz		Allbright	/6.4
-M1	AKOE 90.2.2.100112	Asynchronmotor 24V 6kW	Fahr Antrieb 1			/4.1
-M2	AKOE 90.2.2.100112	Asynchronmotor 24V 6kW	Fahr Antrieb 2			/4.3

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Component	Article no.	Type	Function	Description	Manufacturer	Position
-M3		Kompressor 1	Kompressor 1			/4.4
-M4		Kompressor 2	Kompressor 2			/4.5
-P1	LED	LED_Weiss	Lampe VR	Stirnlampe	CSG	/19.2
-P2	LED	LED_Weiss	Lampe VL	Stirnlampe	CSG	/19.3
-P3	LED	LED_Weiss	Lampe VM	Stirnlampe	CSG	/19.4
-P4	LED	LED_Rot	Lampe Hrot	Stirnlampe	CSG	/19.8
-P5	LED	LED_Weiss	Lampe HR	Stirnlampe	CSG	/19.6
-P6	LED	LED_Weiss	Lampe HL	Stirnlampe	CSG	/19.7
-P7	LED	LED_Weiss	Lampe HM	Stirnlampe	CSG	/19.8
-P8	4047623411444	6AV2128-3GB36-0AX0		SIMATIC HMI MTP700, Unified Comfort Panel, Neutral, Touchbedienschirm 7"	Siemens	/25.6
-S10	190012	Schlüsselschalter	Schlüsselschalter		Siemens	/24.1
-S12	190011	Wendeschalter	Wendeschalter		Siemens	/24.2
-S17	190033	NotAus EAO, 84-5041.2B4N	Not Halt		EAO	/24.6
-S20	190010	Pfeiftaste	Pfeife		Siemens	/24.4
-S21	190010	Pfeiftaste 2	Pfeife 2		Siemens	/24.5
-S34		Kupplungstaste	Kupplungstaste V			/14.5
-S35		Kupplungstaste	Kupplungstaste H			/14.6
-S50	PSE570-01-28N	Drucksensor 0-10bar	Systemdruck Sensor		SMC	/21.1
-S54	190225	Fahr/Bremsregler V3.0, 4-20mA	Fahrerbremsventil	Fahr/Bremsregler V3.0, 4-20mA	CSG	/26.2
-S55	190181	Führerbremsventil V3.0, 4-20mA		Bremsregler V3.0, 4-20mA	CSG	/26.4
-T1	4021087050944	DDR-15G-12		DC/DC Converter 24VDC/ 12VDC 15W 1.25A	Mean Well	/4.6
-T2	4046356649728	MINI MCR-2-UI-UI		Monitoring module	PHOENIX CONTACT GmbH & Co. KG	/21.2
-T3	190197	Gebersignalverstärker_CSG		Gebersignalverstärker	CSG	/11.1
-TB1	470332421	1232SE-2421				/4.1
-TB2	470332421	1232SE-2421				/4.3
-V3.6	VX212FZ1D	Ventil 2/2 Wasser	Entwässerung	2/2 Wege Ventil Wasser	SMC	/18.7
-V30	SY3A00-5U1	Ventil 3/2 zu Ventilinsel	Pfeife 1	3/2 Wege Ventil	SMC	/18.1
-V31	SY3A00-5U1	Ventil 3/2 zu Ventilinsel	Pfeife 2	3/2 Wege Ventil	SMC	/18.2

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Component	Article no.	Type	Function	Description	Manufacturer	Position
-V32	SY3A00-5U1	Ventil 3/2 zu Ventilinsel	Pantho V	3/2 Wege Ventil	SMC	/18.3
-V33	SY3A00-5U1	Ventil 3/2 zu Ventilinsel	Pantho H	3/2 Wege Ventil	SMC	/18.4
-V34	SY3100-5U1	Ventil 5/2 zu Ventilinsel	Kupplung V	5/2 Wege Ventil	SMC	/18.5
-V35	SY3100-5U1	Ventil 5/2 zu Ventilinsel	Kupplung H	5/2 Wege Ventil	SMC	/18.6
-V37	SY3A00-5U1	Ventil 3/2 zu Ventilinsel	Federspeicher	3/2 Wege Ventil	SMC	/18.8
-V64	ITV1050-04F1N	Druckregler Elektropneumatisch	Bischofsdruckregler Lok	Druckregler Elektropneumatisch, 0-9, 200l/min Anzeige in MPa	SMC	/22.6
-V66	ITV1050-04F1N	Druckregler Elektropneumatisch	Bischofsdruckregler Wagen	Druckregler Elektropneumatisch, 0-9, 200l/min Anzeige in MPa	SMC	/22.6
-W1	190093	Daten Kabel 6x0.25mm²		Daten Kabel 6x0.25mm²	CSG	/5.1
-W2	190093	Daten Kabel 6x0.25mm²		Daten Kabel 6x0.25mm²	CSG	/6.1
-W3	190069	Daten Kabel 16x0.25mm²		Daten Kabel 16x0.25mm²	CSG	/5.1
-W4	190069	Daten Kabel 16x0.25mm²		Daten Kabel 16x0.25mm²	CSG	/6.1
-W5	190129	Sensorkabel M12, 0°, 4P, 10m			CSG	/21.1
-W6	190130	Sensorkabel M12, 90°, 4P, 10m		Sensorkabel M12, 90°, 4P, 10m	CSG	/22.5
-W7	190130	Sensorkabel M12, 90°, 4P, 10m		Sensorkabel M12, 90°, 4P, 10m	CSG	/22.5
-W8	43020-0400	43020-0400			Molex	/26.2
-W8	43025-0400	43025-0400			Molex	/26.2
-W9	43020-0400	43020-0400			Molex	/26.4
-W9	43025-0400	43025-0400			Molex	/26.4
-W10	4046356456616	Sensorkabel M12, 0°, 17P, 5m		Sensorkabel M12, 0°, 17P, 5m	CSG	/24.6
-W11	4046356777889	Hybridkabel M12, 0°, 8P, 5m		Hybridkabel M12, 0°, 8P, 5m	CSG	/24.1
-W12	190069	Daten Kabel 16x0.25mm²		Daten Kabel 16x0.25mm²	CSG	/18.1
-W13	190024	Einbausteckverbinder M8	TB1-Diagnosestecker		CSG	/21.5
-W14	190024	Einbausteckverbinder M8	TB2-Diagnosestecker		CSG	/21.7
-W25	190069	Daten Kabel 16x0.25mm²		Daten Kabel 16x0.25mm²	CSG	/14.5
-W26	190069	Daten Kabel 16x0.25mm²		Daten Kabel 16x0.25mm²	CSG	/14.6
-X1P1		PN				/7.8
-X1P2		PN				/7.8

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Terminal	Cable	Conn. component (ext.)	Terminal	Cable	Conn. component (ext.)
:0			-10X3:3		
			-10X3:4		
-1X1:1					
-1X1:2			-10X4:1		
-1X1:2			-10X4:3		
-1X1:2			-10X4:4		
-1X1:2					
-1X1:3			-10X5:2		
-1X1:4			b -10X5:3		
			↓ -10X5:1		
-1X2:1			-10X5:4		
-1X2:2					
-1X2:2			-10X6:1		
-1X2:2			-10X6:4		
-1X2:2					
-1X2:3			-10X7:1		
-1X2:4			-10X7:4		
● -10X1:1			-10X8:1		
-10X1:3			-10X8:4		
-10X1:4		-CPU:X10:1			
● -10X2:1			-10X9:1		
a b -10X2:2			-10X9:4		
-10X2:3					
-10X2:4			-10X10:3		
			-10X10:1		
			-10X10:4		
-10X3:2					

Terminal			Cable			Conn. component (ext.)			Terminal			Cable			Conn. component (ext.)		
a	b	-10X11:3															
		-10X11:1			-W25:WH		10XM									10XM	
		-10X11:2			-W26:WH		-26X1:0										
		-10X11:4															
		-10X12:1															
		-10X12:4					-M4:-										
		-10X12:2															
		-10X12:3															
		-10X13:1															
		-10X13:4															
		-10X14:1															
		-10X14:4					-M4:+										
		-10X15:1															
		-10X15:2					-T2:8										
		-10X15:3															
		-10X15:4					-T3:4										
		-10X16:2					-T2:7										
		-10X16:3					-ERROR_CHARGE:1										
		-10X16:4					-T3:3										
		-10X16:1															
		-10X17:1															
		-10X17:4					-31X4:0										
		-25X1:0															
		-25X2:0														10XM	
		-25X3:0															
		-25X4:0														-P1:1	
		-25X5:0														-P2:1	
		-25X6:0														-P3:1	
		-25X7:0														-P4:1	
		-26X1:0			-W26:WH		-10X11:2										
		-26X2:0															
		-26X3:0															
		-26X4:0														-P5:1	
		-26X5:0														-P6:1	
		-26X6:0														-P7:1	
		-26X7:0														-P4:1	

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Terminal	Cable	Conn. component (ext.)	Terminal	Cable	Conn. component (ext.)
-31X4:0			-T3:2		
			-T3:3		
-31X7:0			-T3:4		
			-T3		-CPU:X10:7
-F1:1			-T3		-CPU:X10:8
			-T3		
-F2:1			-T3		
-F3:1			-W8		
			-W8		
-F4:1			-W8		
-F5:1			-W9		
			-W9		
-F6:1			-W9		
-F7:1			-X1P1:PN		
-T2:1			-X1P2:PN		
-T2:2					
-T2:3					
-T2:4					
-T2		-IO3:X10:1+			
-T2		-IO3:X10:1-			
-T2		-10X16:2			
-T2		-10X15:2			
-T3:1					

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Cable			From			To			Type	Description
-W1	BN		-TB1	31	/5.7	-M1	2	/5.2	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W1	GY		-TB1	32	/5.7	-M1	3	/5.2	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W1	PK		-TB1	8	/5.3	-M1	6	/5.1	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W1	WH		-10X5	3	/5.2	-M1	5	/5.1	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W1	YE		-TB1	26	/5.6	-M1	1	/5.2	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W2	BN		-TB2	31	/6.7	-M2	2	/6.2	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W2	GY		-TB2	32	/6.7	-M2	3	/6.2	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W2	PK		-TB2	8	/6.3	-M2	6	/6.1	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W2	WH		-10X5	4	/6.2	-M2	5	/6.1	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W2	YE		-TB2	26	/6.6	-M2	1	/6.2	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W3	BK		-TB1	19	/5.5				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	BN		-TB1	17	/5.4	-IO3	X13:1	/23.2	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	BNGN		-TB1	22	/5.5	-CPU	X12:9	/16.2	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	BU		-TB1	9	/5.3	-IO1	Q.1	/17.2	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	GN		-TB1	16	/5.4	-IO3	X13:0	/23.1	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	GY		-TB1	2	/5.2				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	GYPK		-TB1	4	/5.2				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	PK		-TB1	29	/5.7	-10X7	4	/5.7	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	RD		-TB1	31	/5.7	-T3	1	/11.1	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	RDBU		-TB1	5	/5.2				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	VT		-TB1	28	/5.6	-10X6	4	/5.6	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	WHGN		-TB1	33	/5.7	-CPU	X12:11	/16.4	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	WHYE		-TB1	25	/5.6	-10X3	3	/5.6	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	YE		-TB1	1	/5.1	-10X4	3	/5.1	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	YEBN		-TB1	20	/5.5				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	BK		-TB2	19	/6.5				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	BN		-TB2	17	/6.4	-IO3	X13:1	/23.2	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	BNGN		-TB2	22	/6.5	-CPU	X12:10	/16.3	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²

-W1	BN	-TB1	31	/5.7	-M1	2	/5.2	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W1	GY	-TB1	32	/5.7	-M1	3	/5.2	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W1	PK	-TB1	8	/5.3	-M1	6	/5.1	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W1	WH	-10X5	3	/5.2	-M1	5	/5.1	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W1	YE	-TB1	26	/5.6	-M1	1	/5.2	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W2	BN	-TB2	31	/6.7	-M2	2	/6.2	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W2	GY	-TB2	32	/6.7	-M2	3	/6.2	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W2	PK	-TB2	8	/6.3	-M2	6	/6.1	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W2	WH	-10X5	4	/6.2	-M2	5	/6.1	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W2	YE	-TB2	26	/6.6	-M2	1	/6.2	Daten Kabel 6x0.25mm²	Daten Kabel 6x0.25mm²
-W3	BK	-TB1	19	/5.5				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	BN	-TB1	17	/5.4	-IO3	X13:1	/23.2	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	BNGN	-TB1	22	/5.5	-CPU	X12:9	/16.2	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	BU	-TB1	9	/5.3	-IO1	Q.1	/17.2	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	GN	-TB1	16	/5.4	-IO3	X13:0	/23.1	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	GY	-TB1	2	/5.2				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	GYPK	-TB1	4	/5.2				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	PK	-TB1	29	/5.7	-10X7	4	/5.7	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	RD	-TB1	31	/5.7	-T3	1	/11.1	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	RDBU	-TB1	5	/5.2				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	VT	-TB1	28	/5.6	-10X6	4	/5.6	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	WHGN	-TB1	33	/5.7	-CPU	X12:11	/16.4	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	WHYE	-TB1	25	/5.6	-10X3	3	/5.6	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	YE	-TB1	1	/5.1	-10X4	3	/5.1	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W3	YEBN	-TB1	20	/5.5				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	BK	-TB2	19	/6.5				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	BN	-TB2	17	/6.4	-IO3	X13:1	/23.2	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	BNGN	-TB2	22	/6.5	-CPU	X12:10	/16.3	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²



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Cable									
Cable		From			To			Type	Description
-W4	BU	-TB2	9	/6.3	-IO1	Q.1	/17.2	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	GN	-TB2	16	/6.4	-IO3	X13:0	/23.1	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	GY	-TB2	2	/6.2				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	GYPK	-TB2	4	/6.2				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	PK	-TB2	29	/6.7	-10X9	4	/6.7	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	VT	-TB2	28	/6.6	-10X8	4	/6.6	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	WHGN	-TB2	33	/6.7	-CPU	X12:12	/16.5	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	WHYE	-TB2	25	/6.6	-10X3	4	/6.6	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	YE	-TB2	1	/6.1	-10X4	4	/6.1	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W4	YEBN	-TB2	20	/6.5				Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W5	BK	-S50	3	/21.1	-IO3	X10:0+	/21.1	Sensorkabel M12, 0°, 4P, 10m	Sensorkabel M12, 0°, 4P, 10m
-W5	BN	-S50	1	/21.1	-10X10	4	/21.1	Sensorkabel M12, 0°, 4P, 10m	Sensorkabel M12, 0°, 4P, 10m
-W5	BU	-S50	2	/21.1	-10X11	4	/21.1	Sensorkabel M12, 0°, 4P, 10m	Sensorkabel M12, 0°, 4P, 10m
-W6	BN	-V66	1	/22.6	-V64	1	/22.6	Sensorkabel M12, 90°, 4P, 10m	Sensorkabel M12, 90°, 4P, 10m
-W6	BU	-V66	2	/22.6	-V64	2	/22.6	Sensorkabel M12, 90°, 4P, 10m	Sensorkabel M12, 90°, 4P, 10m
-W6	WH	-CPU	X11:2	/22.1	-V64	3	/22.6	Sensorkabel M12, 90°, 4P, 10m	Sensorkabel M12, 90°, 4P, 10m
-W7	WH	-CPU	X11:3	/22.2	-V66	3	/22.6	Sensorkabel M12, 90°, 4P, 10m	Sensorkabel M12, 90°, 4P, 10m
-W10	BK	-S17	22	/24.6	-10X4	1	/24.6	Sensorkabel M12, 0°, 17P, 5m	Sensorkabel M12, 0°, 17P, 5m
-W10	BN	-S10	2	/24.1	-IO1	I.0	/13.1	Sensorkabel M12, 0°, 17P, 5m	Sensorkabel M12, 0°, 17P, 5m
-W10	BU	-S12	2	/24.2	-IO1	I.2	/13.3	Sensorkabel M12, 0°, 17P, 5m	Sensorkabel M12, 0°, 17P, 5m
-W10	GN	-S20	4	/24.4	-IO1	I1.0	/14.1	Sensorkabel M12, 0°, 17P, 5m	Sensorkabel M12, 0°, 17P, 5m
-W10	PK	-S21	4	/24.5	-IO1	I1.1	/14.2	Sensorkabel M12, 0°, 17P, 5m	Sensorkabel M12, 0°, 17P, 5m
-W10	WH	-S12	2	/24.3	-IO1	I.3	/13.4	Sensorkabel M12, 0°, 17P, 5m	Sensorkabel M12, 0°, 17P, 5m
-W10	YE	-S17	12	/24.6	-IO1	I.7	/13.8	Sensorkabel M12, 0°, 17P, 5m	Sensorkabel M12, 0°, 17P, 5m
-W10	GY	-CPU	X12:3	/15.1	-S17	1	/25.1	Sensorkabel M12, 0°, 17P, 5m	Sensorkabel M12, 0°, 17P, 5m
-W10	GYPK	-W8	2	/26.2	-IO3	X11:2-	/21.3	Sensorkabel M12, 0°, 17P, 5m	Sensorkabel M12, 0°, 17P, 5m
-W10	RDBU	-W9	2	/26.4	-IO3	X11:3+	/21.4	Sensorkabel M12, 0°, 17P, 5m	Sensorkabel M12, 0°, 17P, 5m
-W10	RD	-IO1	Q.0	/17.1	-S17	21	/24.6	Sensorkabel M12, 0°, 17P, 5m	Sensorkabel M12, 0°, 17P, 5m

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Cable			From			To			Type	Description
-W11	BK		-10X1	3	/24.1	-S21	3	/24.5	Hybridkabel M12	Hybridkabel M12, 0°, 8P, 5m
-W11	BU		-P8	X80:2	/25.5	-10X2	2	/25.1	Hybridkabel M12	Hybridkabel M12, 0°, 8P, 5m
-W11	Ethernet		-P8	X1P1	/25.6	-X1P1	PN	/7.8	Hybridkabel M12	Hybridkabel M12, 0°, 8P, 5m
-W11	WH		-P8	X80:1	/25.5	-10X10	3	/25.5	Hybridkabel M12	Hybridkabel M12, 0°, 8P, 5m
-W12	GY----RD/BK		-V37	A2	/18.8	-10X12	1	/18.1	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W12	GY-BK		-IO1	Q1.3	/18.4	-V33	A1	/18.4	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W12	GY-RD		-IO1	Q1.2	/18.3	-V32	A1	/18.3	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W12	OR-RD		-IO1	Q1.7	/18.8	-V37	A1	/18.8	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W12	PK-RD		-IO1	Q1.5	/18.6	-V35	A1	/18.6	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W12	WH-BK		-IO1	Q1.1	/18.2	-V31	A1	/18.2	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W12	WH-RD		-IO1	Q1.0	/18.1	-V30	A1	/18.1	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W12	YE-RD		-IO1	Q1.4	/18.5	-V34	A1	/18.5	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W13	BK		-1X1	4	/21.7	-1X2	4	/21.8	Einbausteckverbinder M8	
-W13	BN		-1X1	1	/21.6	-10X7	1	/21.6	Einbausteckverbinder M8	
-W13	BU		-1X1	3	/21.6	-10X6	1	/21.6	Einbausteckverbinder M8	
-W13	WH		-1X1	2	/21.6	-1X2	2	/21.8	Einbausteckverbinder M8	
-W14	BN		-1X2	1	/21.8	-10X9	1	/21.8	Einbausteckverbinder M8	
-W14	BU		-1X2	3	/21.8	-10X8	1	/21.8	Einbausteckverbinder M8	
-W25	BK		-S35	3	/14.6	-S34	3	/14.5	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W25	BN		-IO2	DQa.0	/19.2	-25X4	0	/19.2	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W25	GN		-IO2	DQa.1	/19.3	-25X5	0	/19.3	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W25	GY		-IO2	DQa.3	/19.5	-25X7	0	/19.5	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W25	WH		-10X11	1	/19.1	-25X1	0	/19.2	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W25	YE		-IO2	DQa.2	/19.4	-25X6	0	/19.4	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W25	VT		-S34	4	/14.5	-IO1	l1.4	/14.5	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W26	BN		-IO2	DQa.4	/19.6	-26X4	0	/19.6	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W26	GN		-IO2	DQa.5	/19.7	-26X5	0	/19.7	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²
-W26	GY		-IO2	DQa.7	/19.8	-26X7	0	/19.8	Daten Kabel 16x0.25mm²	Daten Kabel 16x0.25mm²

-W11	BK	-10X1	3	/24.1	-S21	3	/24.5	Hybridkabel M12, 0°, 8P, 5m
-W11	BU	-P8	X80:2	/25.5	-10X2	2	/25.1	Hybridkabel M12, 0°, 8P, 5m
-W11	Ethernet	-P8	X1P1	/25.6	-X1P1	PN	/7.8	Hybridkabel M12, 0°, 8P, 5m
-W11	WH	-P8	X80:1	/25.5	-10X10	3	/25.5	Hybridkabel M12, 0°, 8P, 5m
-W12	GY----RD/BK	-V37	A2	/18.8	-10X12	1	/18.1	Daten Kabel 16x0.25mm ²
-W12	GY-BK	-IO1	Q1.3	/18.4	-V33	A1	/18.4	Daten Kabel 16x0.25mm ²
-W12	GY-RD	-IO1	Q1.2	/18.3	-V32	A1	/18.3	Daten Kabel 16x0.25mm ²
-W12	OR-RD	-IO1	Q1.7	/18.8	-V37	A1	/18.8	Daten Kabel 16x0.25mm ²
-W12	PK-RD	-IO1	Q1.5	/18.6	-V35	A1	/18.6	Daten Kabel 16x0.25mm ²
-W12	WH-BK	-IO1	Q1.1	/18.2	-V31	A1	/18.2	Daten Kabel 16x0.25mm ²
-W12	WH-RD	-IO1	Q1.0	/18.1	-V30	A1	/18.1	Daten Kabel 16x0.25mm ²
-W12	YE-RD	-IO1	Q1.4	/18.5	-V34	A1	/18.5	Daten Kabel 16x0.25mm ²
-W13	BK	-1X1	4	/21.7	-1X2	4	/21.8	Einbausteckverbinder M8
-W13	BN	-1X1	1	/21.6	-10X7	1	/21.6	Einbausteckverbinder M8
-W13	BU	-1X1	3	/21.6	-10X6	1	/21.6	Einbausteckverbinder M8
-W13	WH	-1X1	2	/21.6	-1X2	2	/21.8	Einbausteckverbinder M8
-W14	BN	-1X2	1	/21.8	-10X9	1	/21.8	Einbausteckverbinder M8
-W14	BU	-1X2	3	/21.8	-10X8	1	/21.8	Einbausteckverbinder M8
-W25	BK	-S35	3	/14.6	-S34	3	/14.5	Daten Kabel 16x0.25mm ²
-W25	BN	-IO2	DQa.0	/19.2	-25X4	0	/19.2	Daten Kabel 16x0.25mm ²
-W25	GN	-IO2	DQa.1	/19.3	-25X5	0	/19.3	Daten Kabel 16x0.25mm ²
-W25	GY	-IO2	DQa.3	/19.5	-25X7	0	/19.5	Daten Kabel 16x0.25mm ²
-W25	WH	-10X11	1	/19.1	-25X1	0	/19.2	Daten Kabel 16x0.25mm ²
-W25	YE	-IO2	DQa.2	/19.4	-25X6	0	/19.4	Daten Kabel 16x0.25mm ²
-W25	VT	-S34	4	/14.5	-IO1	11.4	/14.5	Daten Kabel 16x0.25mm ²
-W26	BN	-IO2	DQa.4	/19.6	-26X4	0	/19.6	Daten Kabel 16x0.25mm ²
-W26	GN	-IO2	DQa.5	/19.7	-26X5	0	/19.7	Daten Kabel 16x0.25mm ²
-W26	GY	-IO2	DQa.7	/19.8	-26X7	0	/19.8	Daten Kabel 16x0.25mm ²



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Name	I/O	Description	Path	Conn. component	Type	Position	
-CPU:X10:7	Dla.0	Drehzahl M1	-T3,-W3	-TB1 31	1232SE-2421	/11.1	
-CPU:X10:8	Dla.1	Drehzahl M2	-T3,-W3	-TB1 31	1232SE-2421	/11.2	
-CPU:X10:9	Dla.2					/11.3	
-CPU:X10:10	Dla.3					/11.4	
-CPU:X10:11	Dla.4					/11.5	
-CPU:X10:12	Dla.5					/11.6	
-CPU:X10:13	Dla.6					/11.7	
-CPU:X10:14	Dla.7					/11.8	
-CPU:X10:15	Dlb.0					/12.1	
-CPU:X10:16	Dlb.1					/12.2	
-CPU:X10:17	Dlb.2					/12.3	
-CPU:X10:18	Dlb.3					/12.4	
-CPU:X10:19	Dlb.4					/12.5	
-CPU:X10:20	Dlb.5	Error Ladegerät		-ERROR_CHARGE 3		/12.6	
-CPU:X11:2	AQ.0	Bremsdruck Lok	-W6	-V64 3	Druckregler Elektropneumatik	/13.1	
-CPU:X11:3	AQ.1	Bremsdruck Wagen	-W7	-V66 3	Druckregler Elektropneumatik	/13.2	
-CPU:X11:5	AI.0	Motorenstrom M1				/20.1	
-CPU:X11:6	AI.1	Motorenstrom M2				/20.2	
-CPU:X12:3	DQa.0	Beleuchtung Bedienpult	-W10	-S17 1	NotAus EAO, 84-5041.2B40	/15.1	
-CPU:X12:4	DQa.1					/15.2	
-CPU:X12:5	DQa.2					/15.3	
-CPU:X12:6	DQa.3					/15.4	
-CPU:X12:7	DQa.4					/15.5	
-CPU:X12:8	DQa.5					/16.1	
-CPU:X12:9	DQa.6	MotVor 1	-W3	-TB1 22	1232SE-2421	/16.2	
-CPU:X12:10	DQa.7	MotVor 2	-W4	-TB2 22	1232SE-2421	/16.3	
-CPU:X12:11	DQb.0	MotRet 1	-W3	-TB1 33	1232SE-2421	/16.4	
-CPU:X12:12	DQb.1	MotRet2	-W4	-TB2 33	1232SE-2421	/16.5	
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-IO1:I1.0	DI3.0	Pfeife	-W10	-S20 4	Pfeiftaste	/14.1
-IO1:I1.1	DI3.1	Pfeife Stufe 2 (Option)	-W10	-S21 4	Pfeiftaste 2	/14.2
-IO1:I1.2	DI3.2	Pantho Schalter (Option)				/14.3
-IO1:I1.3	DI3.3	Lichtschalter (Option)				/14.4
-IO1:I1.4	DI3.4	Kupplungstaste Vorne (Option)	-W25	-S34 4	Kupplungstaste	/14.5
-IO1:I1.5	DI3.5	Kupplungstaste Hinten (Option)	-W26	-S35 4	Kupplungstaste	/14.6
-IO1:I1.6	DI3.6	Sitzschalter Lok (Option)				/14.7
-IO1:I1.7	DI3.7	Türschalter Lok (Option)				/14.8
-IO1:I.0	DI2.0	Schlüsselschalter	-W10	-S10 2	Schlüsselschalter	/13.1
-IO1:I.1	DI2.1					/13.2
-IO1:I.2	DI2.2	Wendeschalter V	-W10	-S12 2	Wendeschalter	/13.3
-IO1:I.3	DI2.3	Wendeschalter R	-W10	-S12 2	Wendeschalter	/13.4
-IO1:I.4	DI2.4	Kompressor Schalter (Option)				/13.5
-IO1:I.5	DI2.5					/13.6
-IO1:I.6	DI2.6					/13.7
-IO1:I.7	DI2.7	Not Halt	-W10	-S17 12	NotAus EAO, 84-5041.2B40	13.8
-IO1:Q1.0	DQ3.0	Pfeife	-W12	-V30 A1	Ventil 3/2 zu Ventilinsel	/18.1
-IO1:Q1.1	DQ3.1	Pfeife Stufe 2 (Option)	-W12	-V31 A1	Ventil 3/2 zu Ventilinsel	/18.2
-IO1:Q1.2	DQ3.2	Pantho V	-W12	-V32 A1	Ventil 3/2 zu Ventilinsel	/18.3
-IO1:Q1.3	DQ3.3	Pantho H	-W12	-V33 A1	Ventil 3/2 zu Ventilinsel	/18.4
-IO1:Q1.4	DQ3.4	KupplungV	-W12	-V34 A1	Ventil 5/2 zu Ventilinsel	/18.5
-IO1:Q1.5	DQ3.5	Kupplung H	-W12	-V35 A1	Ventil 5/2 zu Ventilinsel	/18.6
-IO1:Q1.6	DQ3.6	Entwässerungsventil		-V3.6 A1	Ventil 2/2 Wasser	/18.7
-IO1:Q1.7	DQ3.7	Federspeicher Ventil	-W12	-V37 A1	Ventil 3/2 zu Ventilinsel	/18.8
-IO1:Q.0	DQ2.0	KSI Motorenregler	-W10	-S17 21	NotAus EAO, 84-5041.2B40	17.1
-IO1:Q.1	DQ2.1	Interlock Signal Motorenregler	-W3	-TB1 9	1232SE-2421	/17.2
-IO1:Q.2	DQ2.2					/17.3
-IO1:Q.3	DQ2.3	Licht Wagen				/17.4



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-IO1:Q.4	DQ2.4	Kompressor 1		-K24 85	FRC7C-S	/17.5
-IO1:Q.5	DQ2.5	Kompressor 2		-K25 85	FRC7C-S	/17.6
-IO1:Q.6	DQ2.6	Bremsventil Speisung	-W7	-V66 1	Druckregler Elektropneumatik	/17.7
-IO1:Q.7	DQ2.7	Hauptschalter	-10X10	-10X10 1	PT 2,5-QUATTRO	/17.8

2:DQa.0	Q0.0	Licht vorne rechts	-W25,-25X4	-P1 1	LED_Weiss	/19.2
2:DQa.1	Q0.1	Licht vorne links	-W25,-25X5	-P2 1	LED_Weiss	/19.3
2:DQa.2	Q0.2	Licht vorne mitte	-W25,-25X6	-P3 1	LED_Weiss	/19.4
2:DQa.3	Q0.3	Licht vorne rot	-W25,-25X7	-P4 1	LED_Rot	/19.5
2:DQa.4	Q0.4	Licht hinten rechts	-W26,-26X4	-P5 1	LED_Weiss	/19.6
2:DQa.5	Q0.5	Licht hinten links	-W26,-26X5	-P6 1	LED_Weiss	/19.7
2:DQa.6	Q0.6	Licht hinten mitte	-W26,-26X6	-P7 1	LED_Weiss	/19.8
2:DQa.7	Q0.7	Licht hinten rot	-W26,-26X7	-P4 1	LED_Rot	/19.8

3:X10:0+	AIW50	System Druck	-W5	-S50 3	Drucksensor 0-10bar	/21.1
3:X10:1+	AIW52	System Spannung	-T2,-T2	-T2 3	MINI MCR-2-UI-UI	/21.2
3:X11:2-	AIW54	Fahrregler	-W10	-W8 2	43025-0400	/21.3
3:X11:3+	AIW56	Bremsregler	-W10	-W9 2	43025-0400	/21.4
03:X13:0	AQW50	Fahrleistung	-W3	-TB1 16	1232SE-2421	/23.1
03:X13:1	AQW52	Bremsleistung Elektrisch	-W3	-TB1 17	1232SE-2421	/23.2



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