



Deno Compressors

DENO Compressors B.V.

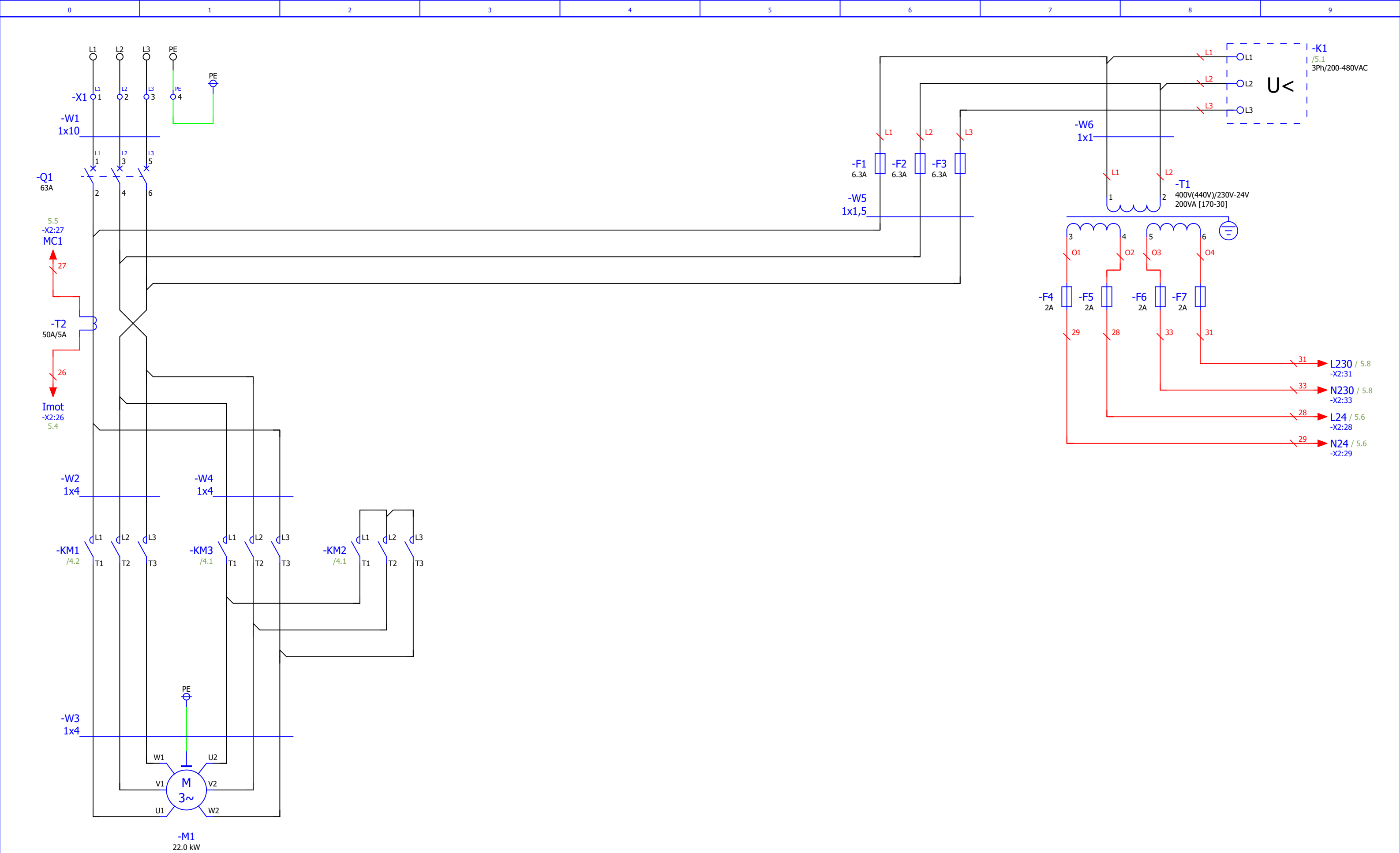
Van der Giessenweg 49  
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Operation and Maintenance Manual - Electrical part

Project name: DENO 22  
Project number: 786-942-000\_22  
Index: EIE1546  
Power supply: 380-420V/3Ph/50Hz 420-460V/3Ph/60Hz  
Power supply type: L1, L2, L3, PE  
Control: 24VAC  
Control system: DMS-287

Last change: 04.06.2025  
Number of pages: 13  
Notes:

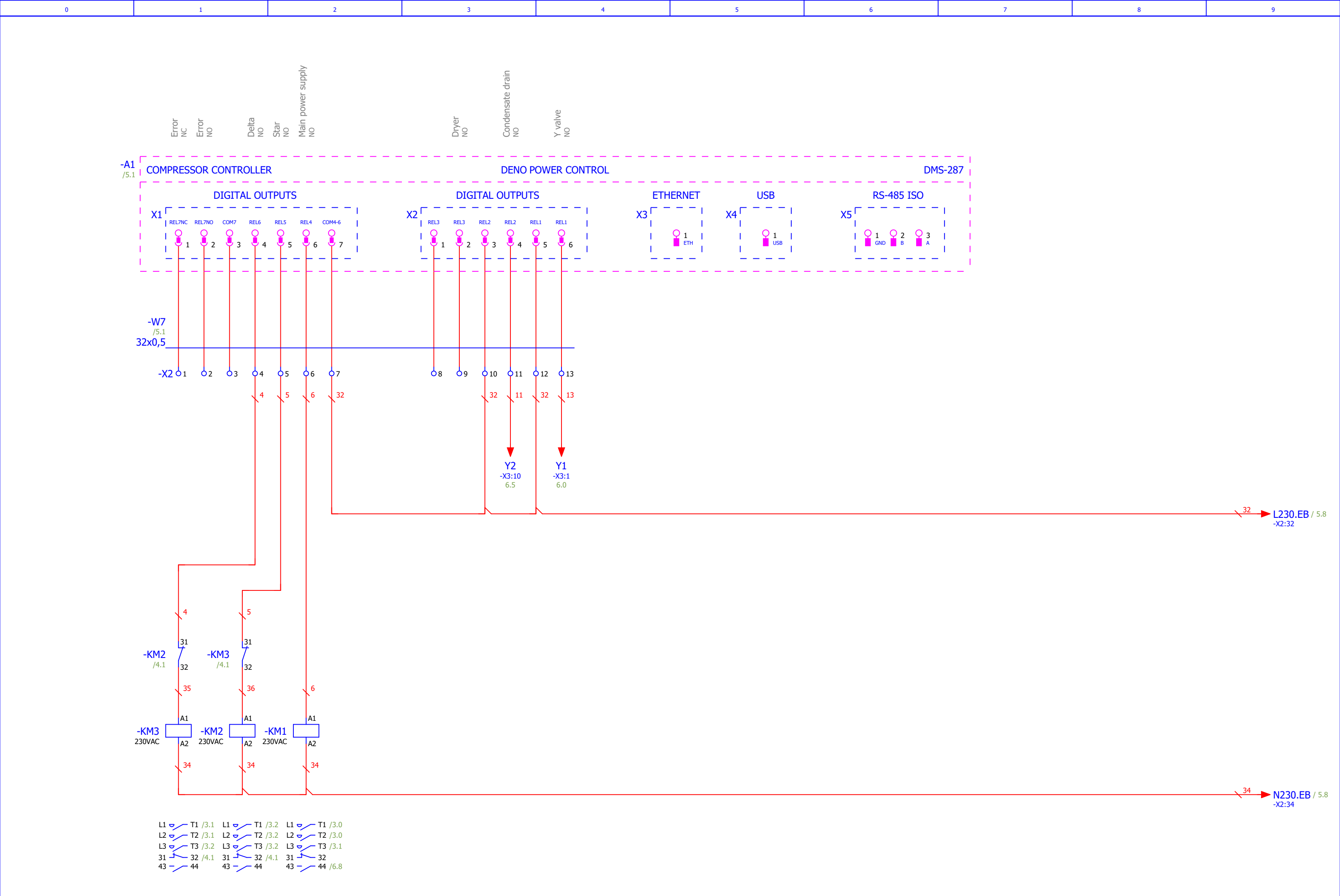


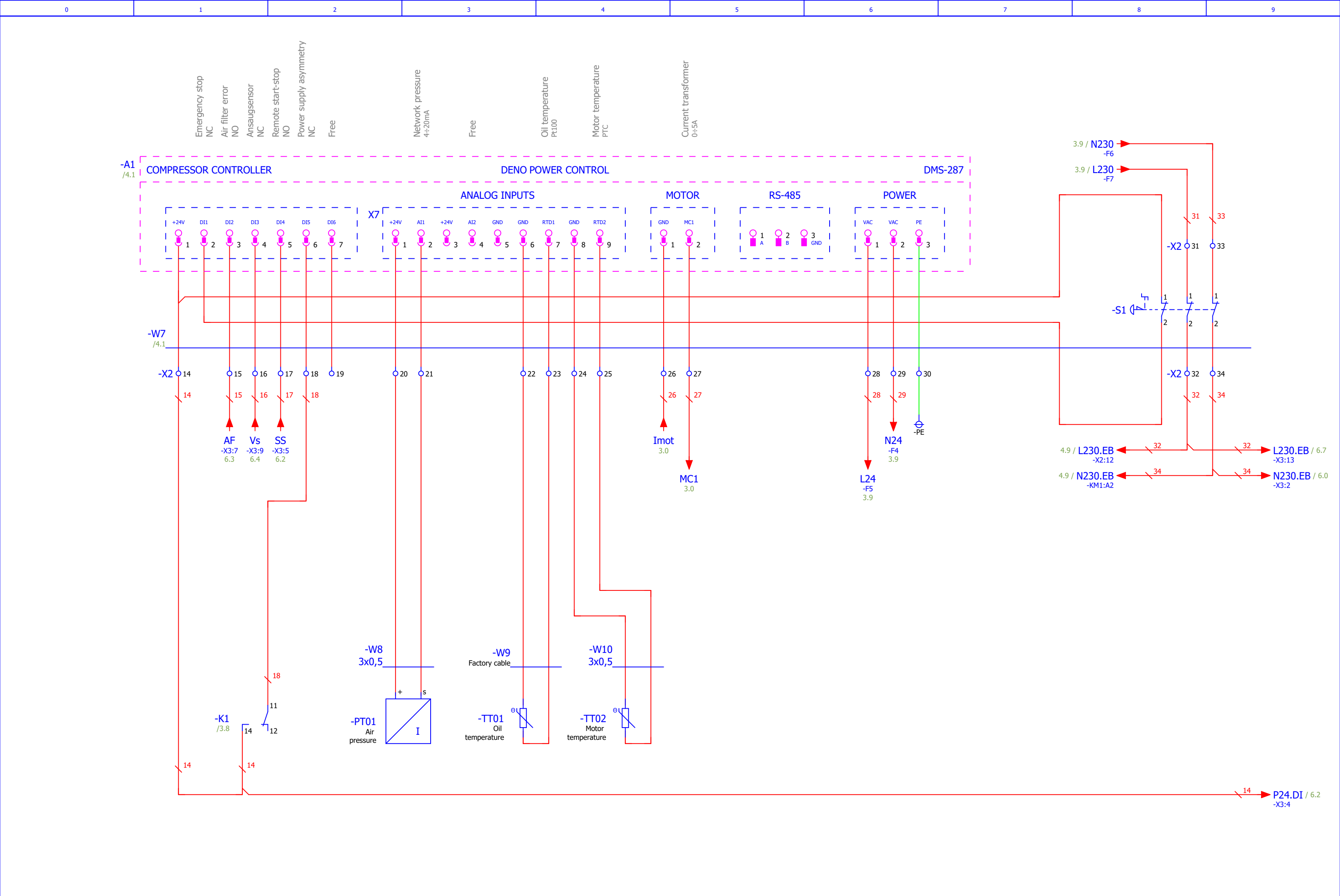


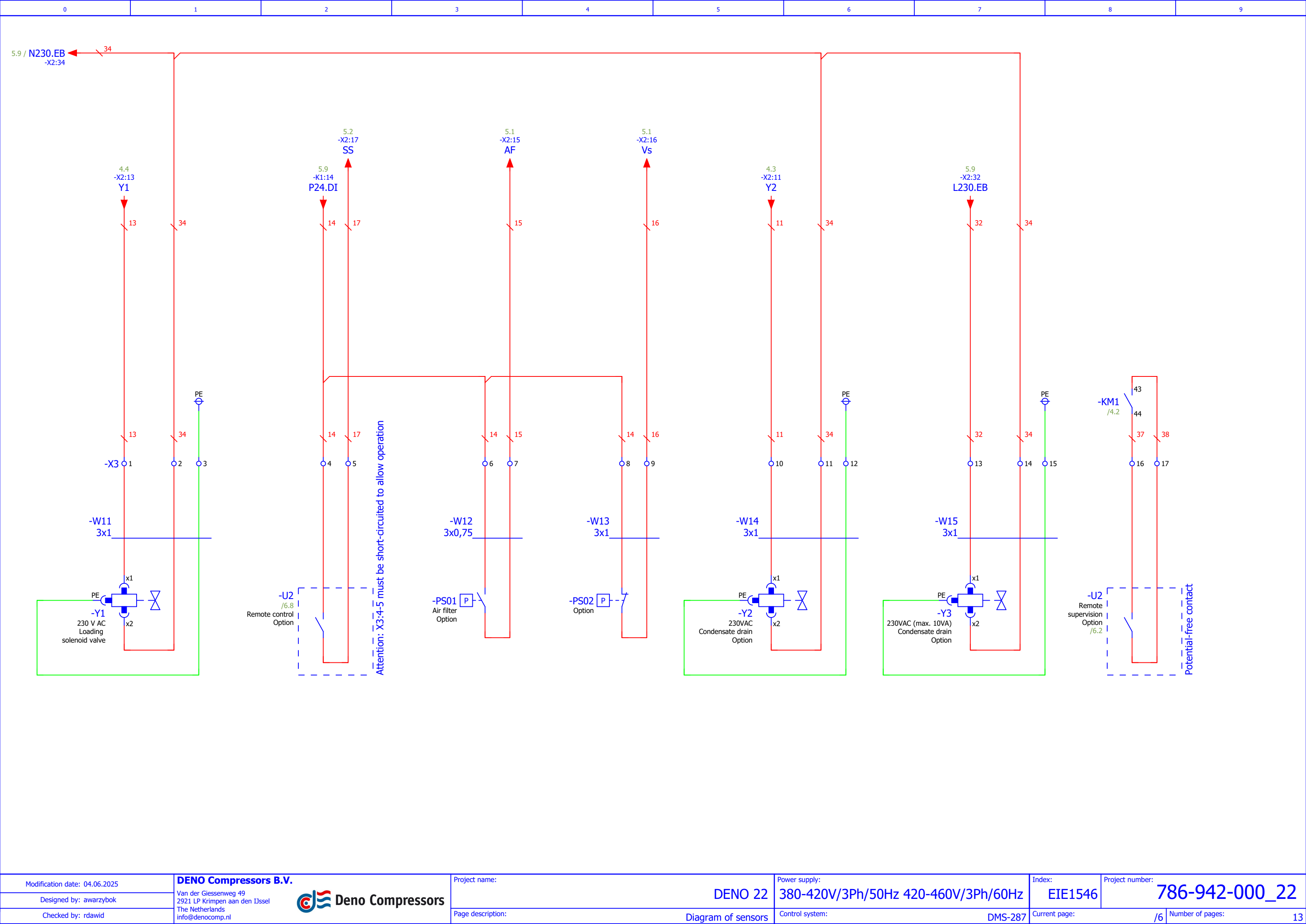
Phase	Direction of rotation					
	Left			Right		
L1	U1	W2		U1	V2	
L2	W1	V2		V1	W2	
L3	V1	U2		W1	U2	

Attention:

- The direction of rotation is determined by looking at the motor from the drive side.
- Connection type suitable for counterclockwise direction of rotation.
- The method of connection depends on the design of the screw stage.







# Configuration of inputs and outputs

Apparatus identifier		Function		Manufacturer		Type number		Index	
=+-A1		Microprocessor controller		Deno Compressors B.V.		DMS-287		ESM0215	
Connector number	Description of connector	Pin number	Pin name	Signal name	Logic / Range				
-X1	DIGITAL OUTPUTS	1	REL7NC	Error	NC				
-X1	DIGITAL OUTPUTS	2	REL7NO	=	NO				
-X1	DIGITAL OUTPUTS	4	REL6	Delta	NO				
-X1	DIGITAL OUTPUTS	5	REL5	Star	NO				
-X1	DIGITAL OUTPUTS	6	REL4	Main power supply	NO				
-X2	DIGITAL OUTPUTS	2	REL3	Dryer	NO				
-X2	DIGITAL OUTPUTS	4	REL2	Condensate drain	NO				
-X2	DIGITAL OUTPUTS	6	REL1	Y valve	NO				
-X6	DIGITAL INPUTS	2	DI1	Emergency stop	NC				
-X6	DIGITAL INPUTS	3	DI2	Air filter error	NO				
-X6	DIGITAL INPUTS	4	DI3	Ansaugsensor	NC				
-X6	DIGITAL INPUTS	5	DI4	Remote start-stop	NO				
-X6	DIGITAL INPUTS	6	DI5	Power supply asymmetry	NC				
-X6	DIGITAL INPUTS	7	DI6	Free					
-X7	ANALOG INPUTS	2	AI1	Network pressure	4÷20mA				
-X7	ANALOG INPUTS	4	AI2	Free					
-X7	ANALOG INPUTS	7	RTD1	Oil temperature	Pt100				
-X7	ANALOG INPUTS	9	RTD2	Motor temperature	PTC				
-X8		2	MC1	Current transformer	0÷5A				

## List of articles

[illegible]



[illegible]

## Plan of terminals

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Plan of terminals

		Terminal block						
		X2						
		Target ID	Connection	Terminal	Bridge	Target ID	Connection	
Sort of connector	Connector type							Position
Rail terminal block	AVK 2,5			1		-A1	-X1:1	/4.1
Rail terminal block	AVK 2,5			2		-A1	-X1:2	/4.1
Rail terminal block	AVK 2,5			3		-A1	-X1:3	/4.1
Rail terminal block	AVK 2,5	-KM2	31	4		-A1	-X1:4	/4.1
Rail terminal block	AVK 2,5	-KM3	31	5		-A1	-X1:5	/4.2
Rail terminal block	AVK 2,5	-KM1	A1	6		-A1	-X1:6	/4.2
Rail terminal block	AVK 2,5			7		-A1	-X1:7	/4.2
Rail terminal block	AVK 2,5			8		-A1	-X2:1	/4.3
Rail terminal block	AVK 2,5			9		-A1	-X2:2	/4.3
Rail terminal block	AVK 2,5			10		-A1	-X2:3	/4.3
Rail terminal block	AVK 2,5	-X3	10	11		-A1	-X2:4	/4.3
Rail terminal block	AVK 2,5			12		-A1	-X2:5	/4.4
Rail terminal block	AVK 2,5	-X3	1	13		-A1	-X2:6	/4.4
Rail terminal block	AVK 2,5	-K1	14	14		-A1	-X6:1	/5.1
						-S1	1	
Rail terminal block	AVK 2,5	-X3	7	15		-A1	-X6:3	/5.1
Rail terminal block	AVK 2,5	-X3	9	16		-A1	-X6:4	/5.1
Rail terminal block	AVK 2,5	-X3	5	17		-A1	-X6:5	/5.2
Rail terminal block	AVK 2,5	-K1	11	18		-A1	-X6:6	/5.2
Rail terminal block	AVK 2,5			19		-A1	-X6:7	/5.2
Rail terminal block	AVK 2,5	-PT01	+	20		-A1	-X7:1	/5.2
Rail terminal block	AVK 2,5	-PT01	s	21		-A1	-X7:2	/5.3
Rail terminal block	AVK 2,5	-TT01		22		-A1	-X7:6	/5.3
Rail terminal block	AVK 2,5	-TT01		23		-A1	-X7:7	/5.4
Rail terminal block	AVK 2,5	-TT02		24		-A1	-X7:8	/5.4
Rail terminal block	AVK 2,5	-TT02		25		-A1	-X7:9	/5.4
Rail terminal block	AVK 2,5	-T2		26		-A1	-X8:1	/5.4
Rail terminal block	AVK 2,5	-T2		27		-A1	-X8:2	/5.5
Rail terminal block	AVK 2,5	-F5		28		-A1	-X10:1	/5.6
Rail terminal block	AVK 2,5	-F4		29		-A1	-X10:2	/5.6
PE rail terminal block	AVK 2,5/4 TK	-PE		30		-A1	-X10:3	/5.6
Rail terminal block	AVK 2,5	-S1	1	31		-F7		/5.8
Rail terminal block	AVK 2,5	-X3	13	32		-S1	2	/5.8
Rail terminal block	AVK 2,5	-S1	1	33		-F6		/5.9
Rail terminal block	AVK 2,5	-KM1	A2	34		-S1	2	/5.9

## Plan of terminals

[illegible]

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