



Deno Compressors

DENO Compressors B.V.

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Operation and Maintenance Manual - Electrical part

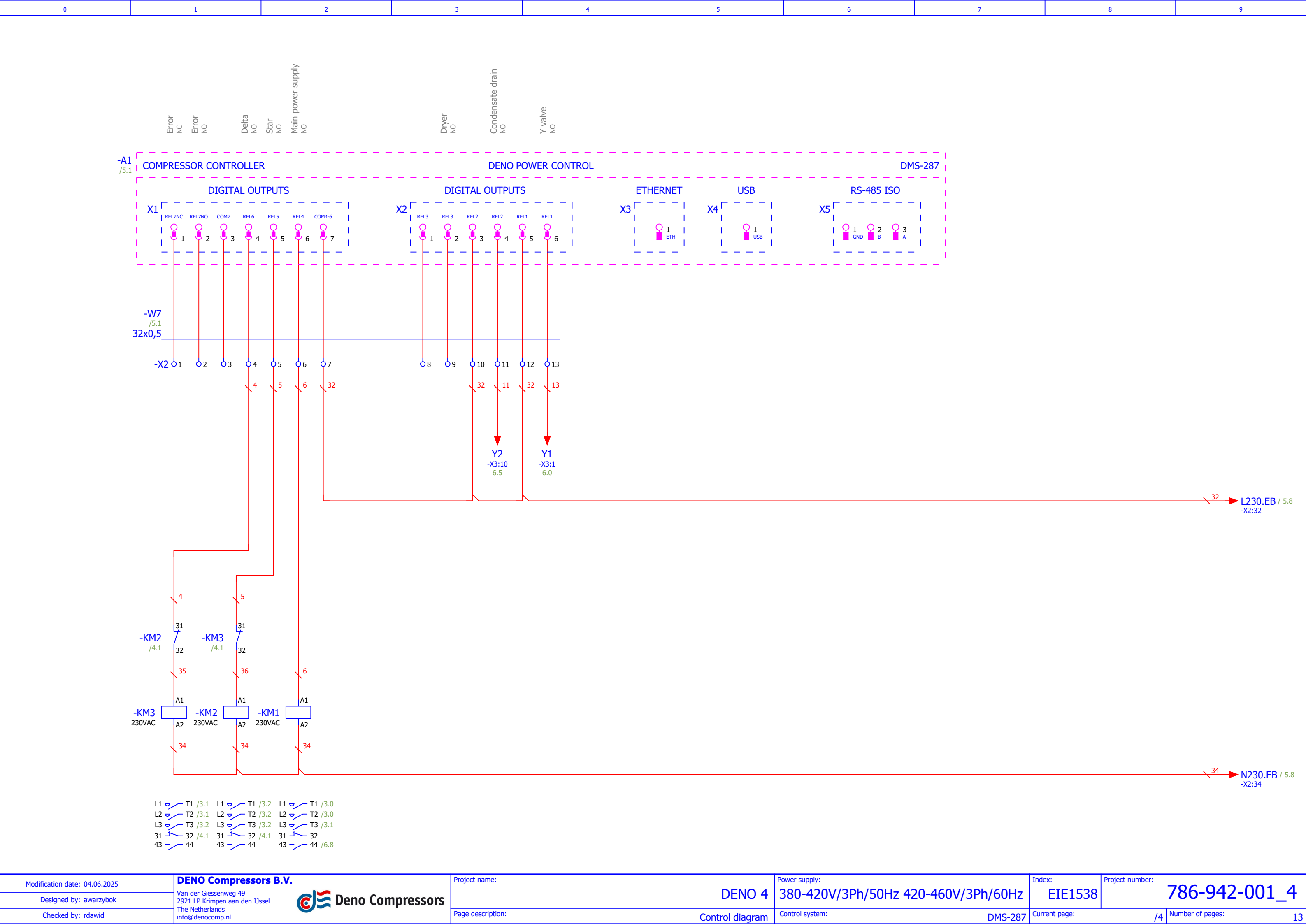
Project name: DENO 4  
Project number: 786-942-001\_4  
Index: EIE1538  
Power supply: 380-420V/3Ph/50Hz 420-460V/3Ph/60Hz  
Power supply type: L1, L2, L3, PE  
Control: 24VAC  
Control system: DMS-287

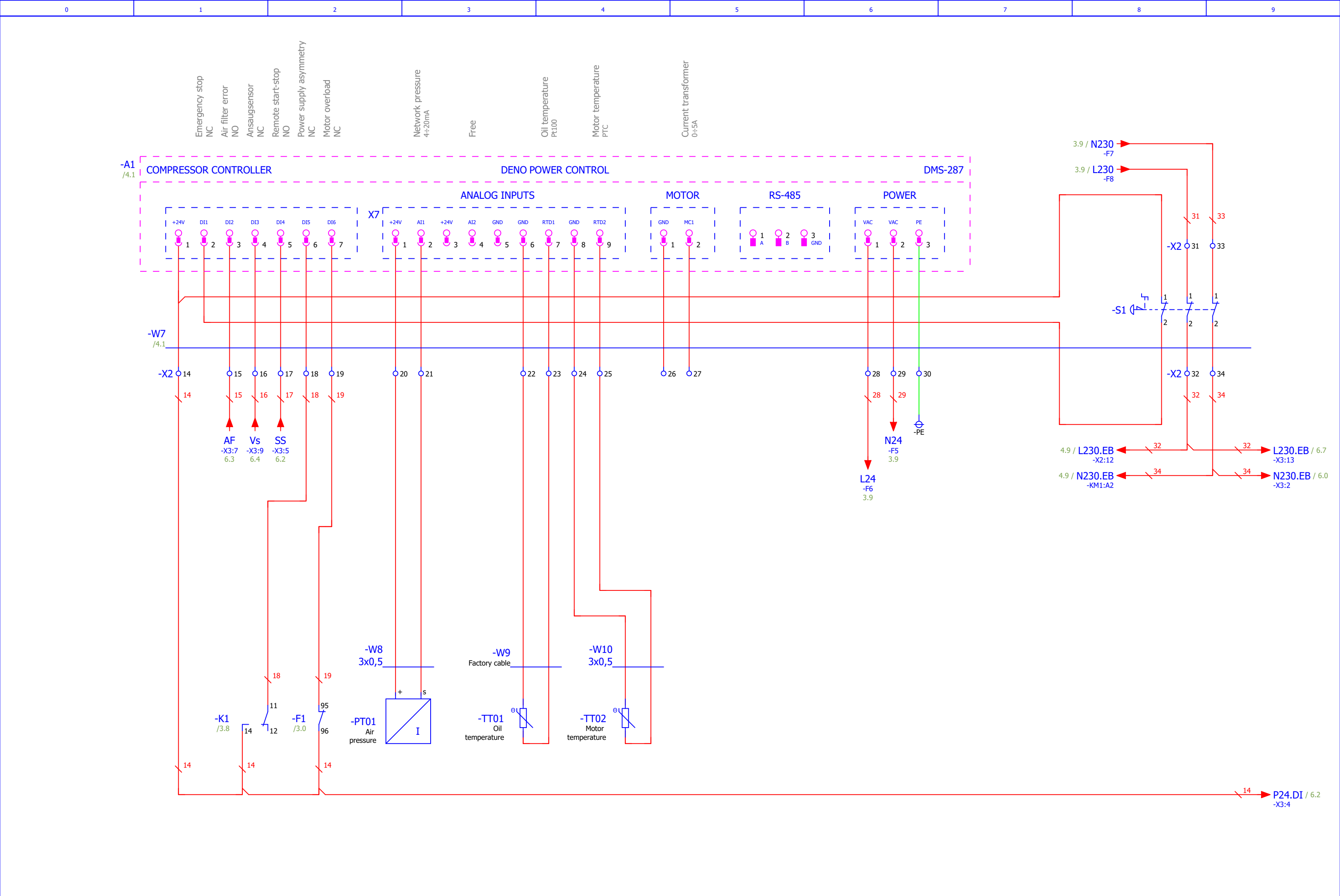
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Notes:

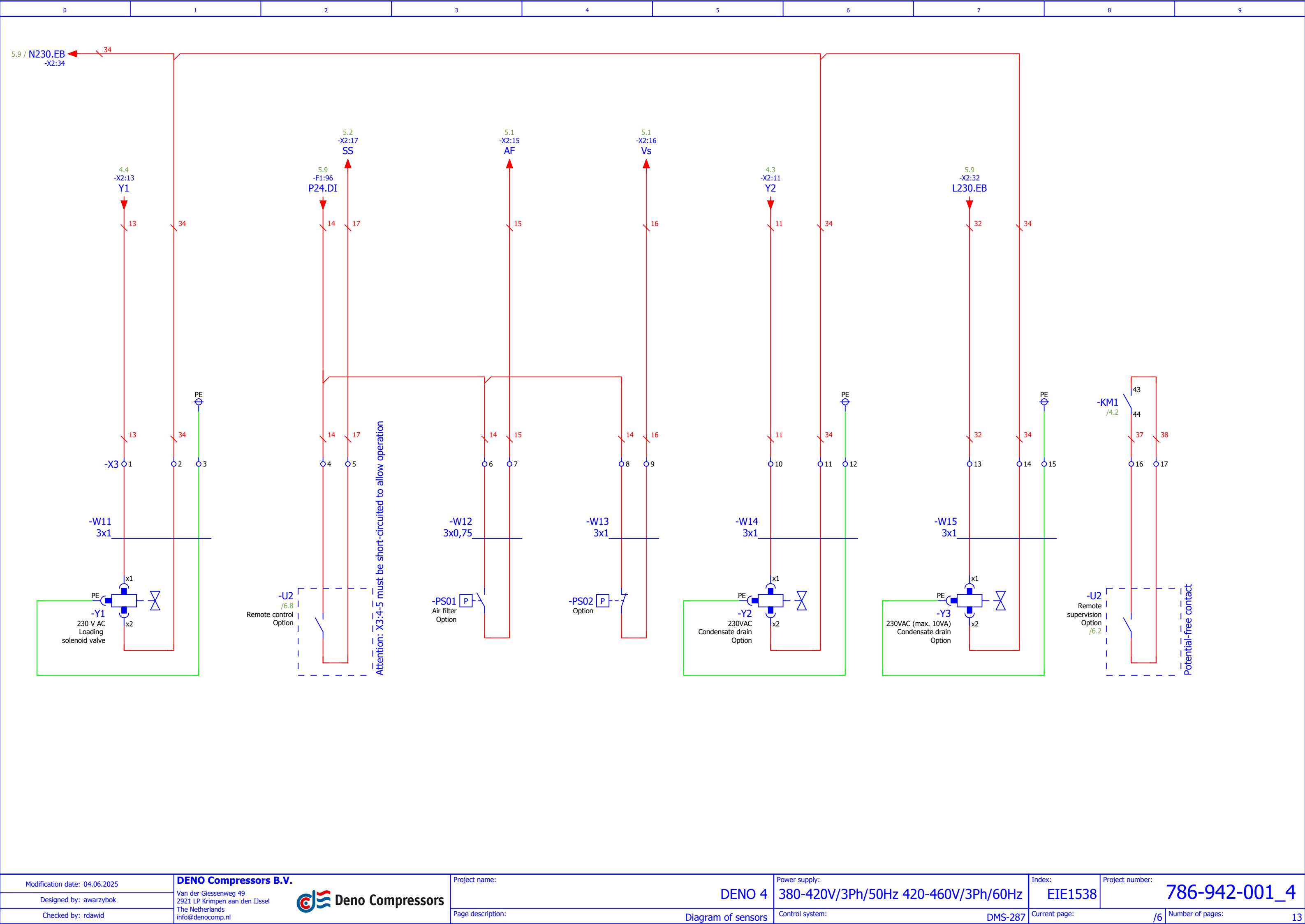




- The direction of rotation is determined by looking at the motor from the drive side.
- Connection type suitable for counterclockwise direction of rotation.
- The method of connection depends on the design of the screw stage.







# 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		Motor overload		NC		
-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		

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## Plan of terminals

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Plan of terminals

		Terminal block						
		X2						
		Target ID	Connection	Terminal	Bridge	Target ID	Connection	
Position								
Sort of connector	Connector type							
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	-F1	95	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			26	-A1	-X8:1	/5.4	
Rail terminal block	AVK 2,5			27	-A1	-X8:2	/5.5	
Rail terminal block	AVK 2,5	-F6		28	-A1	-X10:1	/5.6	
Rail terminal block	AVK 2,5	-F5		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		-F8		/5.8
Rail terminal block	AVK 2,5	-X3	13	32		-S1	2	/5.8
Rail terminal block	AVK 2,5	-S1	1	33		-F7		/5.9
Rail terminal block	AVK 2,5	-KM1	A2	34		-S1	2	/5.9

## Plan of terminals

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