



Deno Compressors

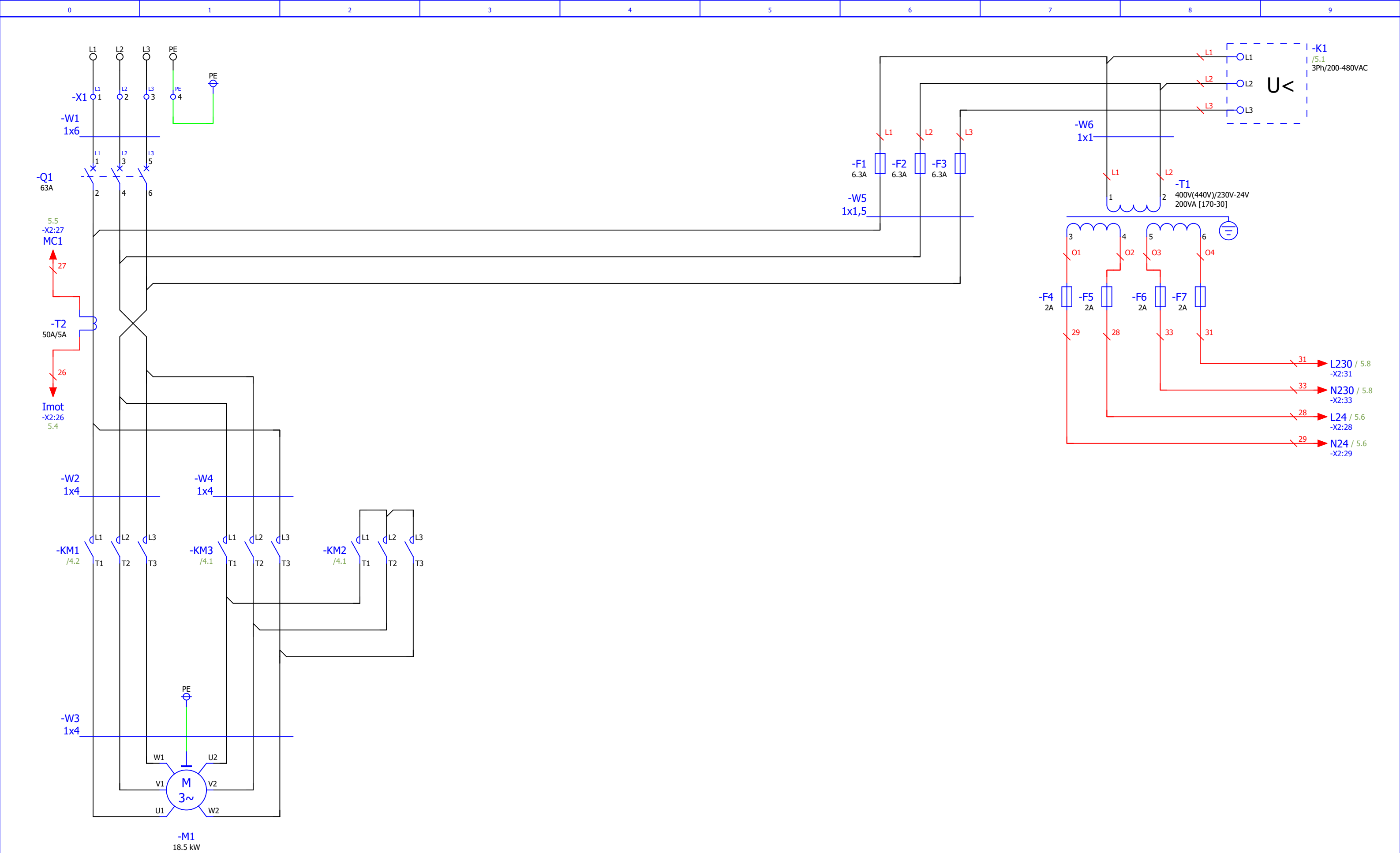
DENO Compressors B.V.

Van der Giessenweg 49
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Operation and Maintenance Manual - Electrical part

Project name: DENO 18
Project number: 786-942-000_18
Index: EIE1545
Power supply: 380-420V/3Ph/50Hz 420-460V/3Ph/60Hz
Power supply type: L1, L2, L3, PE
Control: 24VAC
Control system: DMS-287

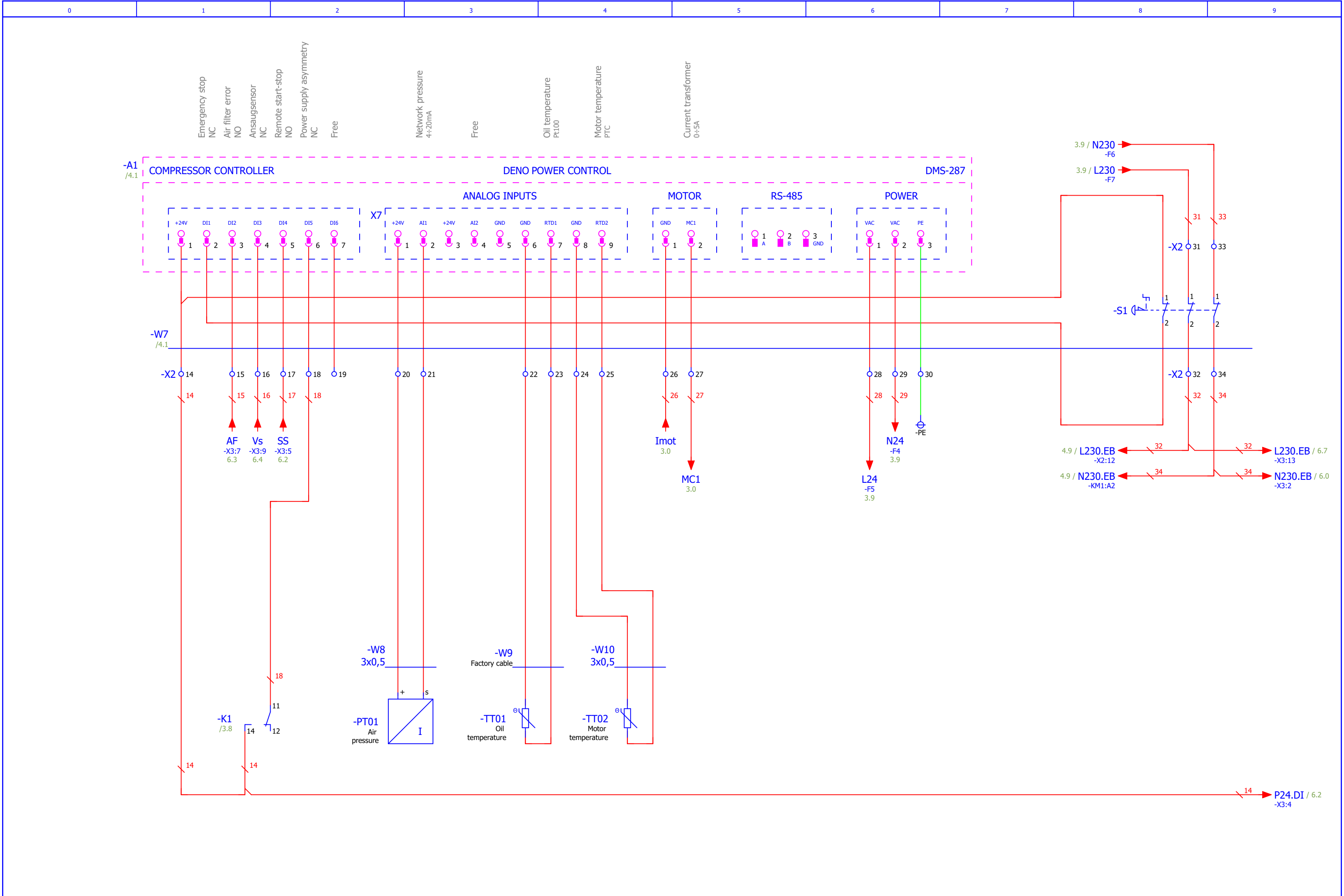
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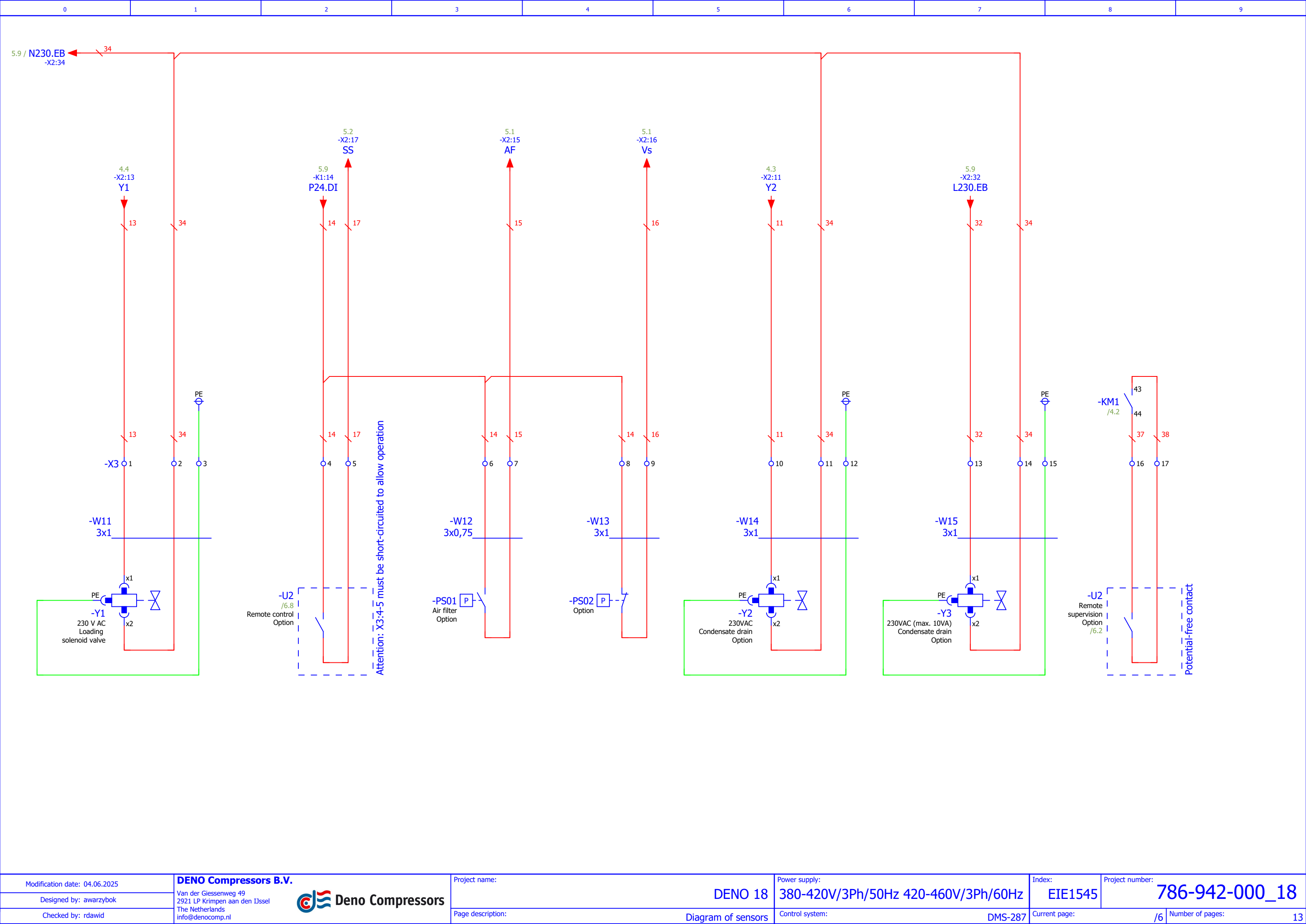


Phase	Direction of rotation					
	Left			Right		
L1	U1	W2		U1	V2	
L2	W1	V2		V1	W2	
L3	V1	U2		W1	U2	

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

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List of cables

[illegible]

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			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

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Plan of terminals

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