

DVU-HP Control system

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Cabinet is placed behind cabinet door
for the compressor

Data over AHU unit.

Heat exchanger type:

See data in the attached annex - Technial data

Electrical data:

Total consumed power:

Compressor fuse size:

Compressor 1 cable resistance:

Compressor 2 cable resistance:

Ik max on fuse in unit: 10 kAmps

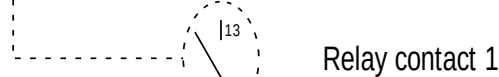
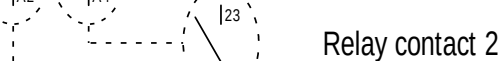
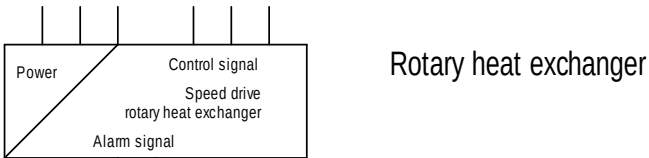
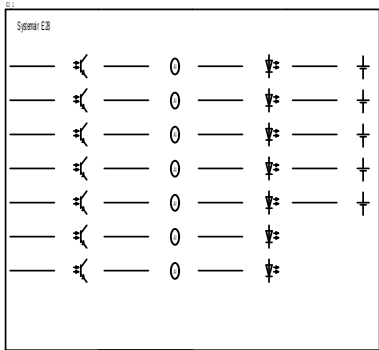
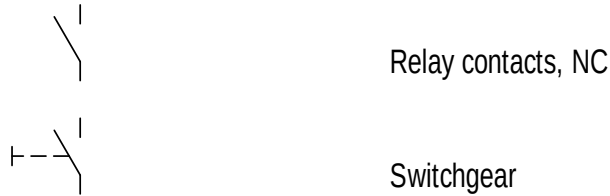
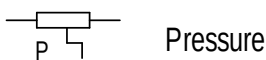
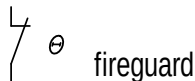
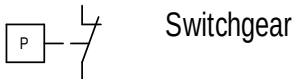
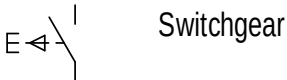
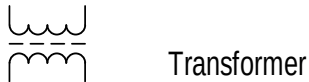
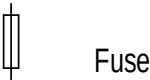
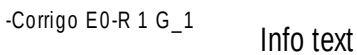
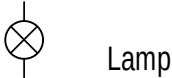
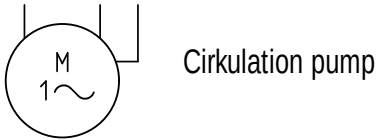
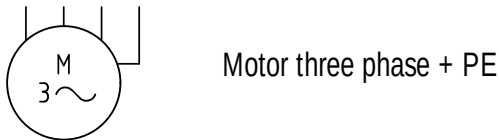
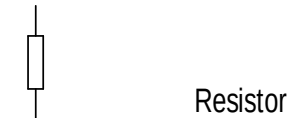
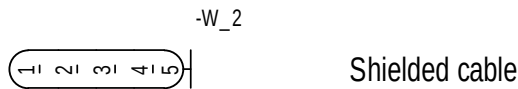
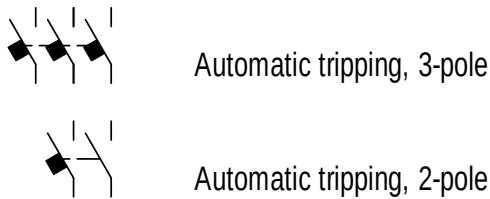
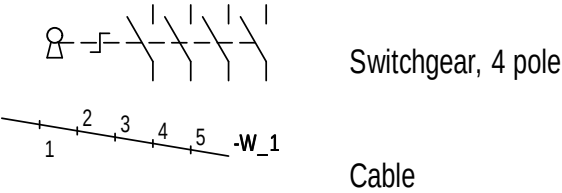
Manufacture:

Systemair A/S, Denmark
Ved Milepælen 7
8361 Hasselager

supplier:

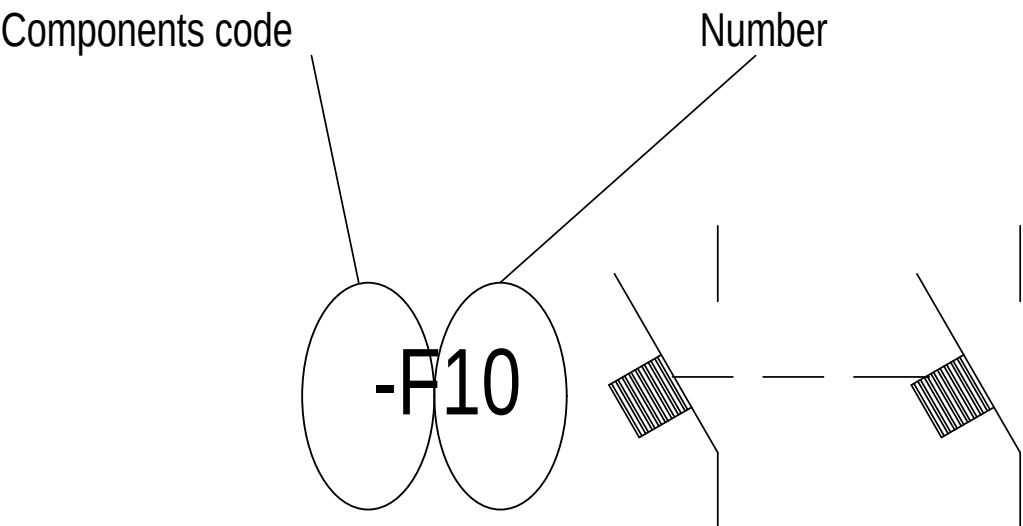
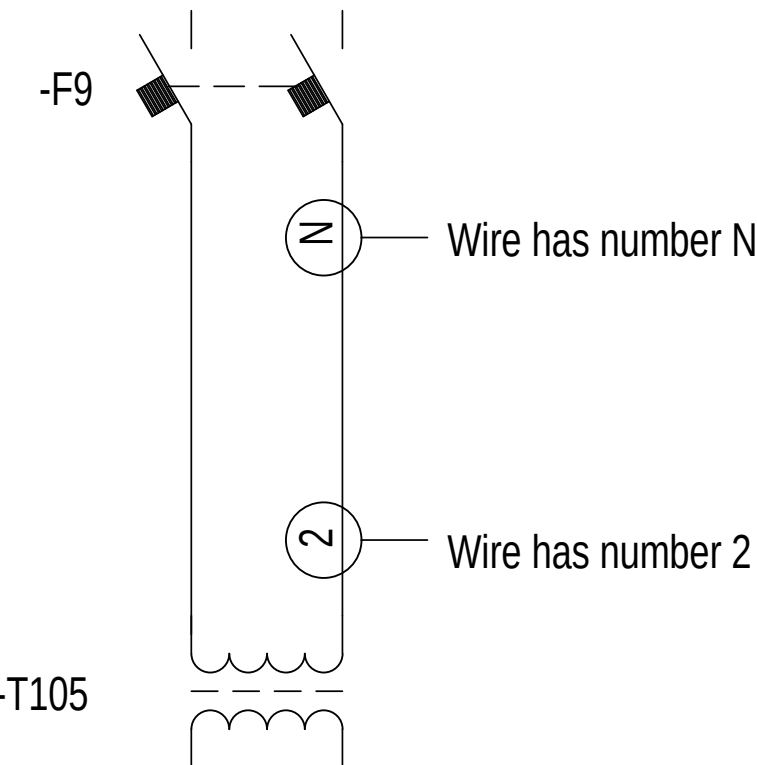
Systemair A/S, _____

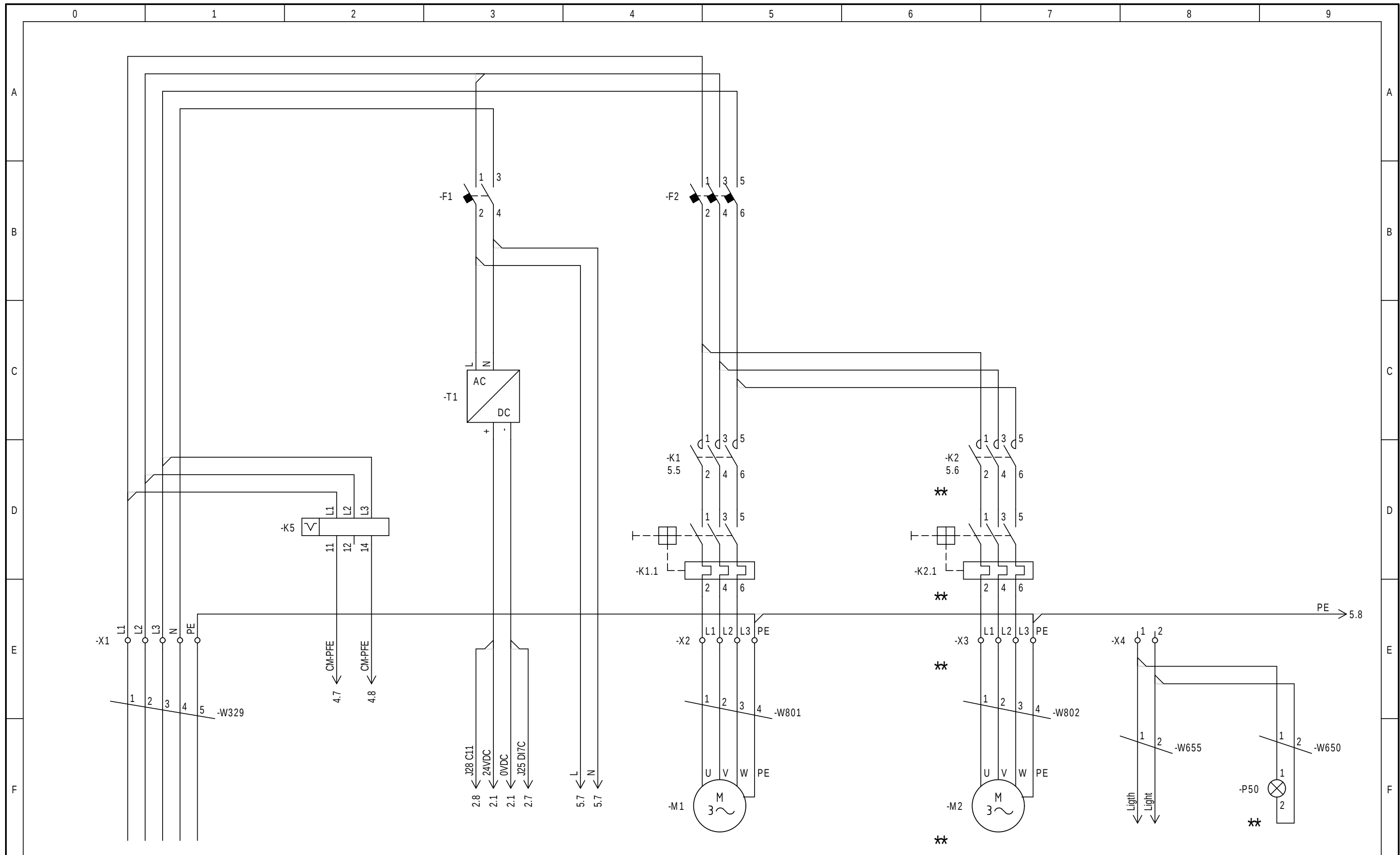
Symbols are according to IEC 60617.
On this page are descriptions of used symbols in the project.

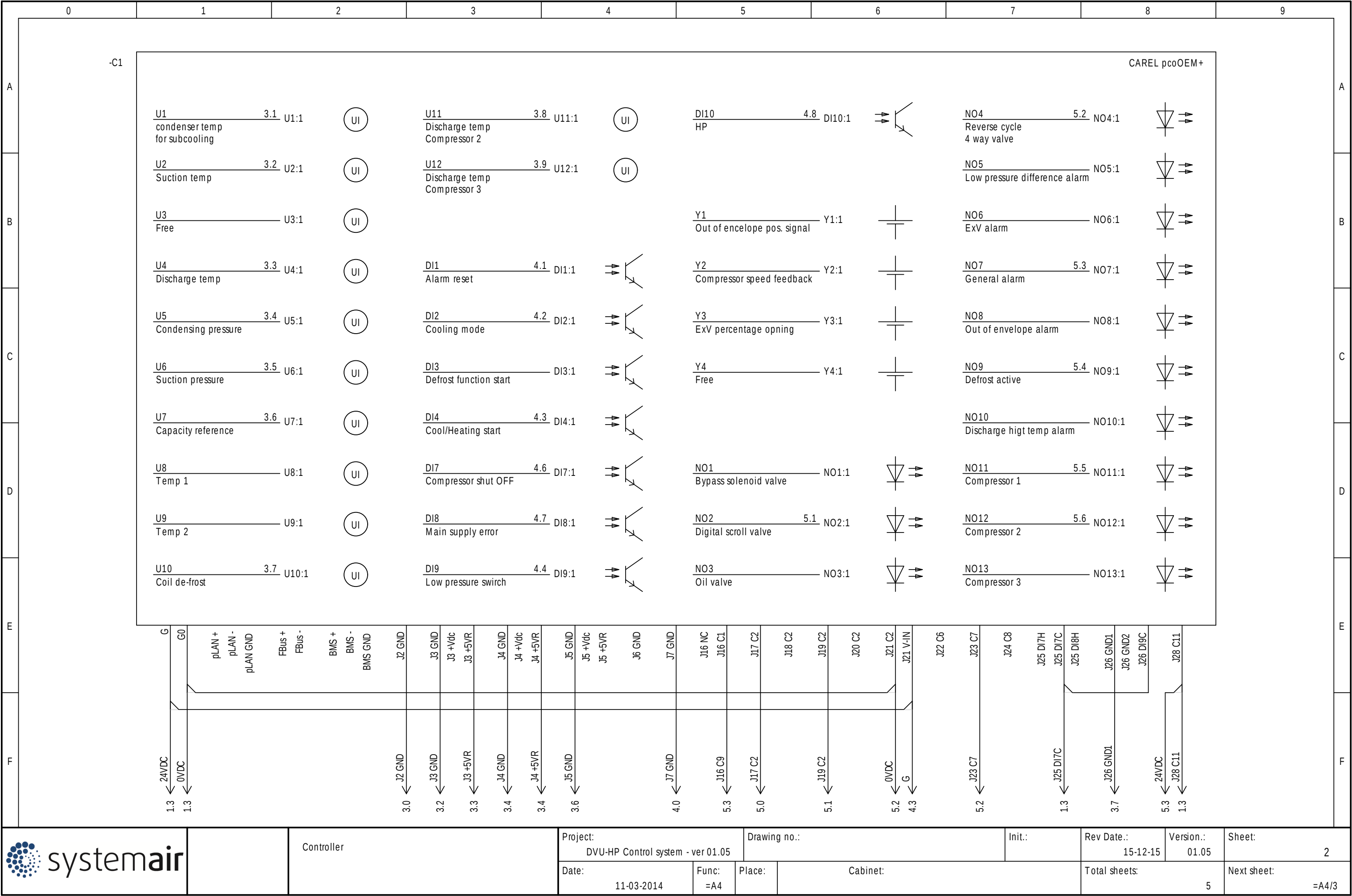


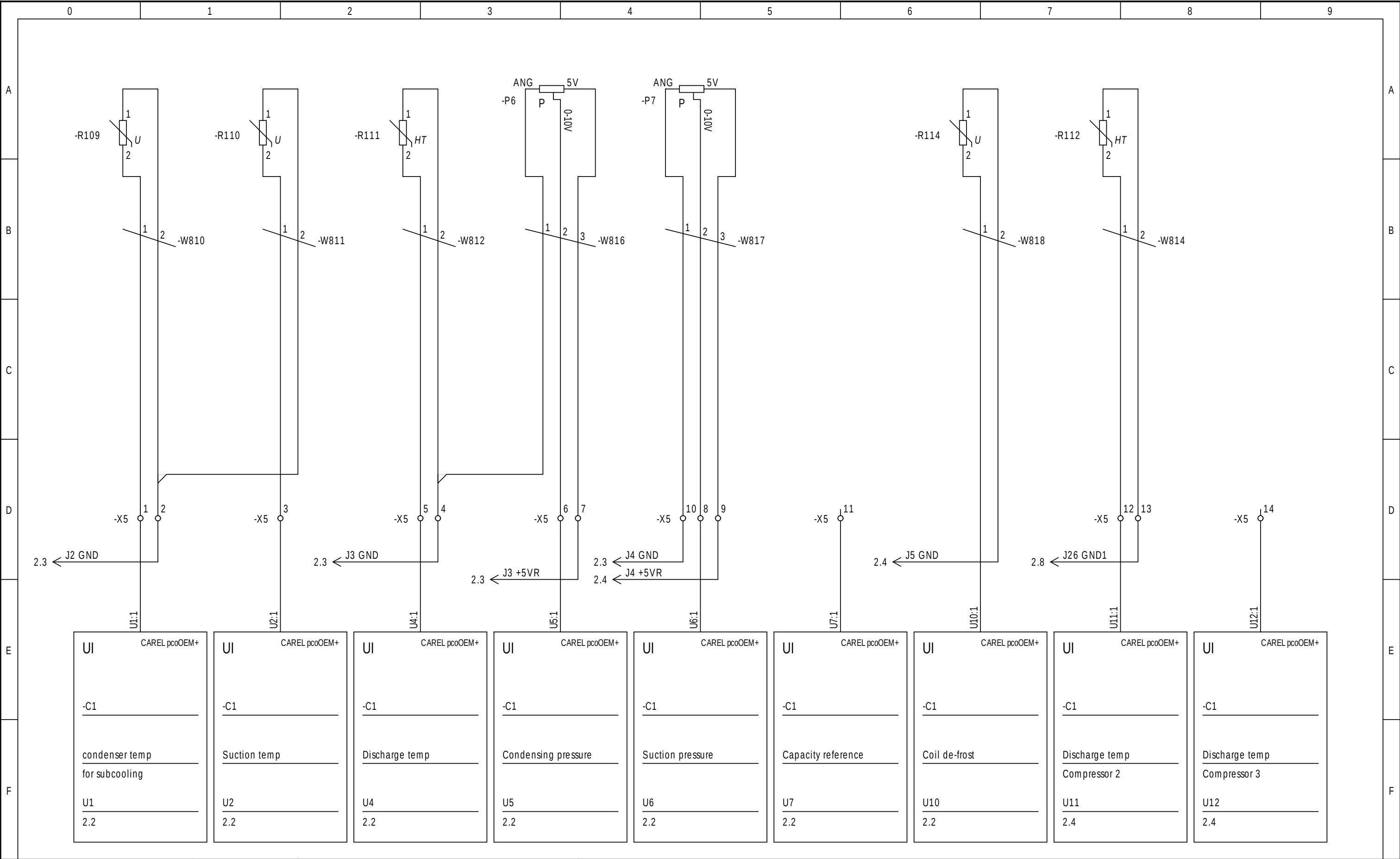
Labeling of wires
Cables are marked with
terminal name

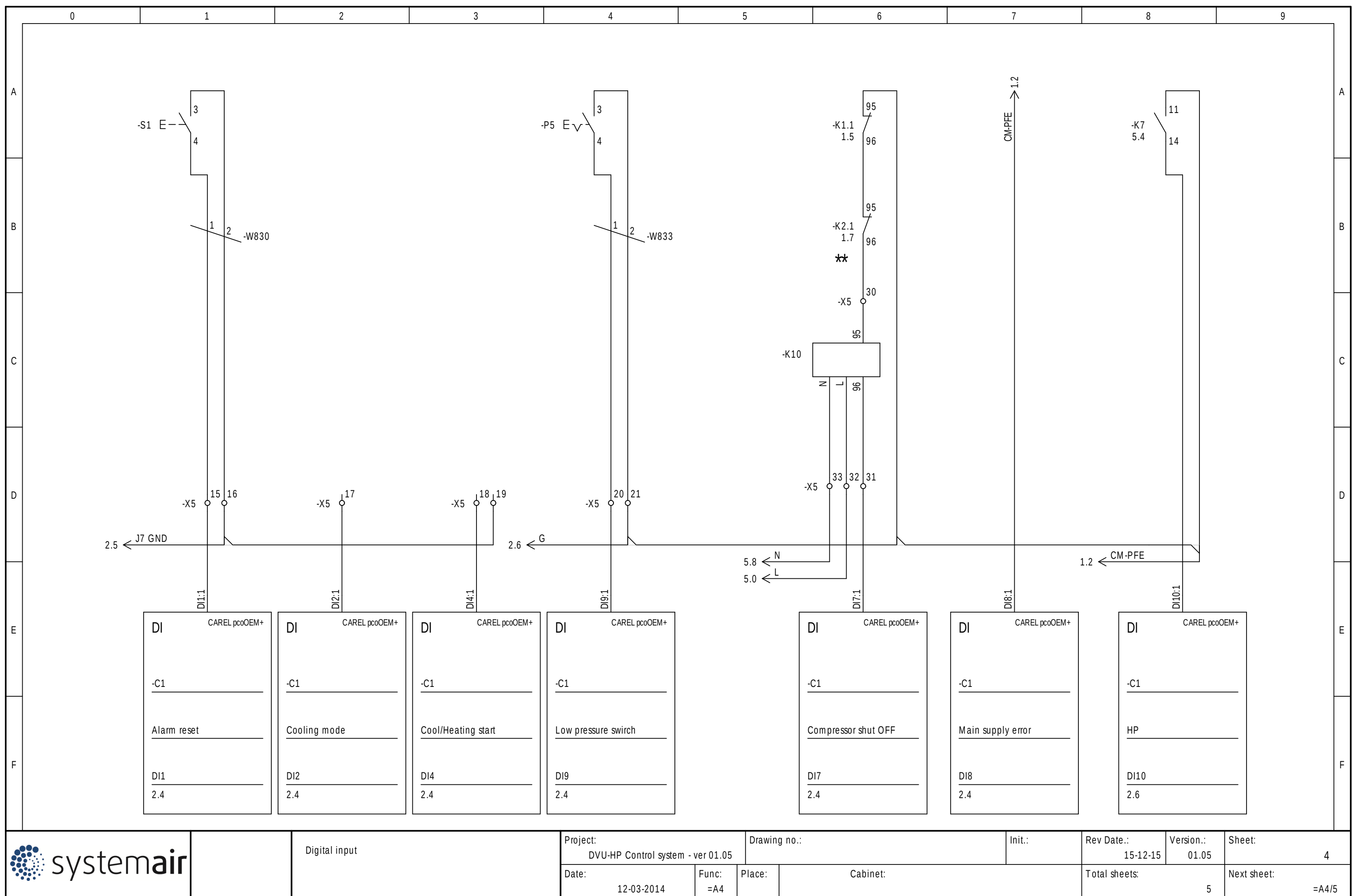
Components are marked with component codes
followed by a number according to IEC 61346-1 Chart 1











List of PLC I/O

Function (=)	Location (+)	PLC (-)	Operand	Symbol Address	Comment	Con. No.	MODBUS	BACKnet	Connection	Sheet	Cell
=A4		-C1	DI1	Alarm reset		DI1:1			=A4-X5:15	4	1
=A4		-C1	DI2	Cooling mode		DI2:1			=A4-X5:17	4	2
=A4		-C1	DI4	Cool/Heating start		DI4:1			=A4-X5:18	4	3
=A4		-C1	DI7	Compressor shut OFF		DI7:1			=A4-X5:31	4	6
=A4		-C1	DI8	Main supply error		DI8:1			=A4-K5:11	4	7
=A4		-C1	DI9	Low pressure swirch		DI9:1			=A4-X5:20	4	4
=A4		-C1	DI10	HP		DI10:1			=A4-K7:14	4	8
=A4		-C1	NO2	Digital scroll valve		NO2:1			=A4-K4:A1	5	1
=A4		-C1	NO4	Reverse cycle	4 way valve	NO4:1			=A4-K6:A1	5	2
=A4		-C1	NO7	General alarm		NO7:1			=A4-X5:25	5	3
=A4		-C1	NO9	Defrost active		NO9:1				5	4
=A4		-C1	NO11	Compressor 1		NO11:1			=A4-K1:A1	5	5
=A4		-C1	NO12	Compressor 2		NO12:1			=A4-K2:A1	5	6
=A4		-C1	U1	condenser temp	for subcooling	U1:1			=A4-X5:1	3	1
=A4		-C1	U2	Suction temp		U2:1			=A4-X5:3	3	2
=A4		-C1	U4	Discharge temp		U4:1			=A4-X5:5	3	3
=A4		-C1	U5	Condensing pressure		U5:1			=A4-X5:6	3	4
=A4		-C1	U6	Suction pressure		U6:1			=A4-X5:8	3	5
=A4		-C1	U7	Capacity reference		U7:1			=A4-X5:11	3	6
=A4		-C1	U10	Coil de-frost		U10:1			=A4-R114:2	3	7
=A4		-C1	U11	Discharge temp	Compressor 2	U11:1			=A4-X5:12	3	8
=A4		-C1	U12	Discharge temp	Compressor 3	U12:1			=A4-X5:14	3	9
					Project:	DVU-HP Control system - ver 01.05			Function decription:	Sheet:	Next sheet:
					Date:	Rev.:	Init.:	Drawing no.:	Total sheets:		
					19-09-2016				1		

[illegible]

Terminal Matrix

Terminal Strip:

✕

[illegible][illegible][illegible]

[illegible]

Terminal Strip:

9x1

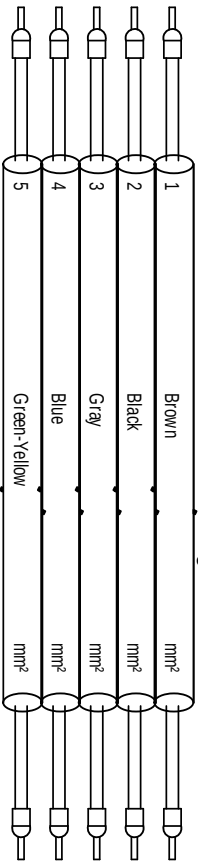
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Cabelplan

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Dimension:
Length: m

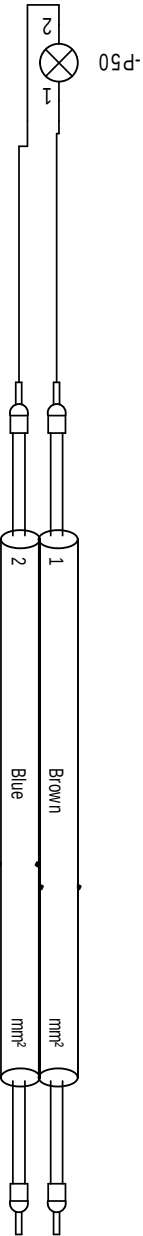


-X1:1
-X1:2
-X1:3
-X1:N
-X1:PE

=A4-W650

Description:

Type:
Dimension:
Length: m



-X4:1
-X4:2

=A4-W655

Description:

Type:
Dimension:
Length: m

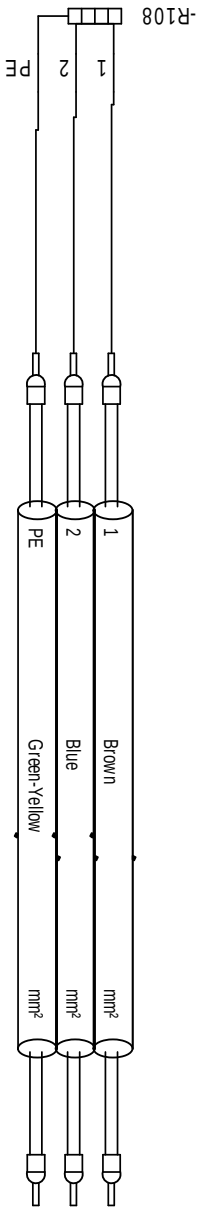


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-X4:2

=A4-W680

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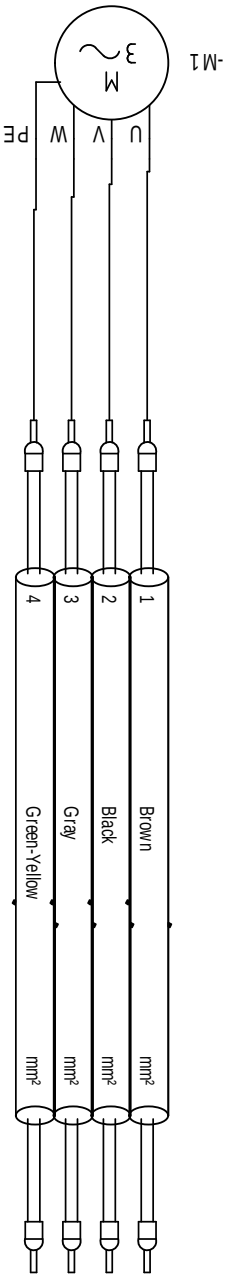


-X6:1
-X6:2
-X6:PE

=A4-W801

Description:

Type:
Dimension:
Length: m



-X2:1
-X2:2
-X2:3
-X2:PE

Sheet
Path

1	0
1	1
1	1
1	1
1	1

1	9
1	9

1	8
1	8

5	9
5	9
5	9

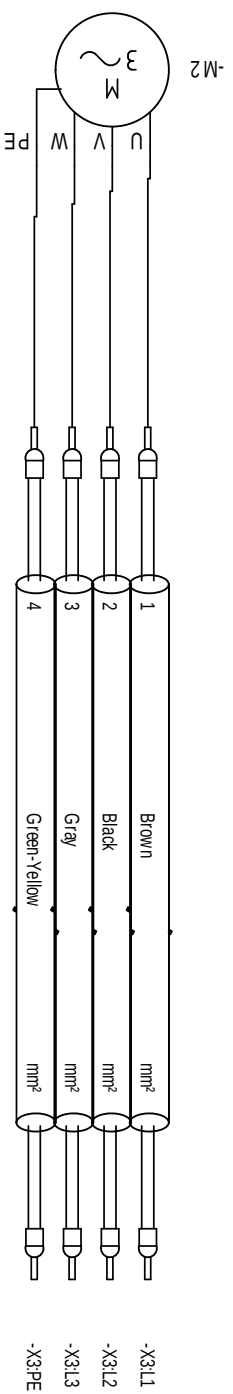
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Cabelplan

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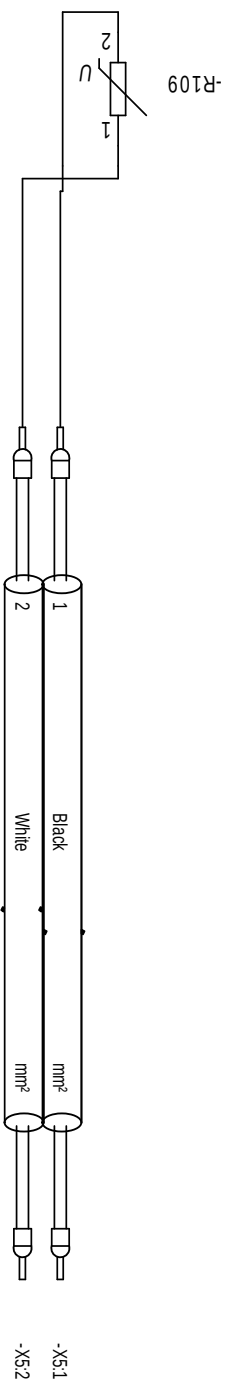
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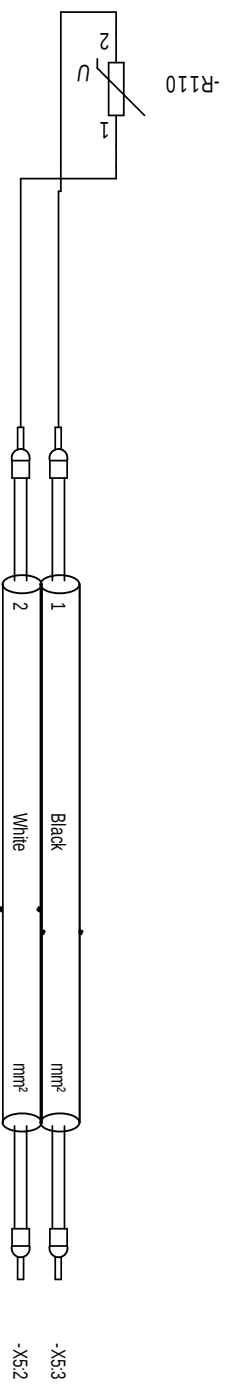
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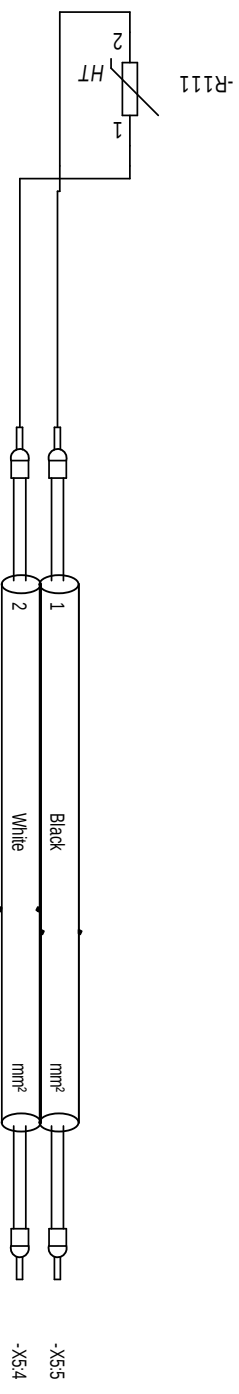
Type:
Dimension:
Length: m



=A4-W812

Description:

Type:
Dimension:
Length: m

Path
Sheet[illegible]

Cabelplan

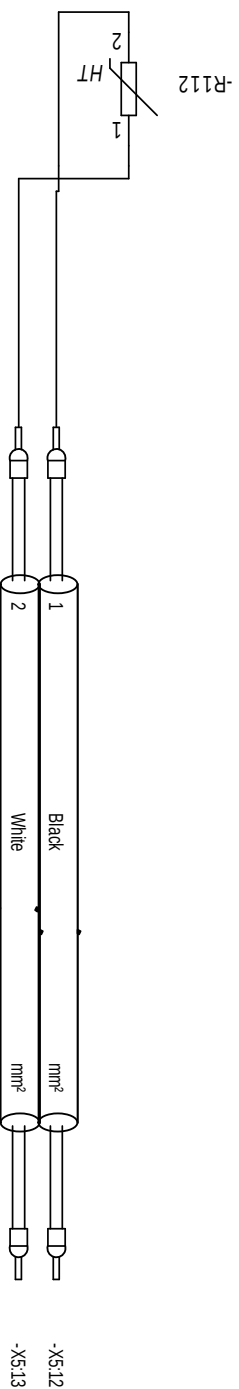
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Description:

Type:

Length: m

Length: m



-X5:12
-X5:13

3	3					
8	8					

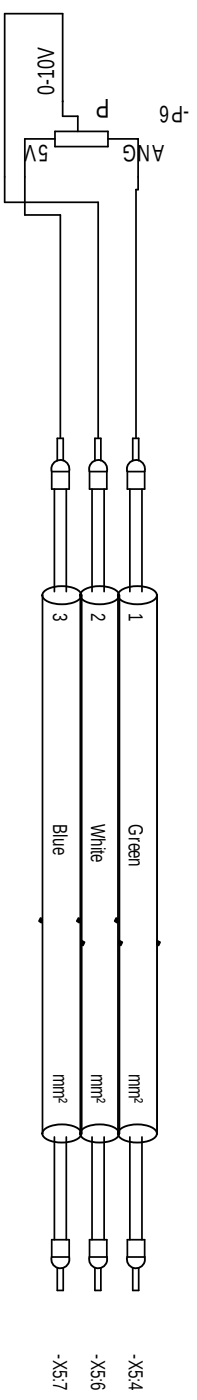
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Description:

Type:

Length: m

Length: m



-X5:4
-X5:6
-X5:7

3	3
3	4
3	4

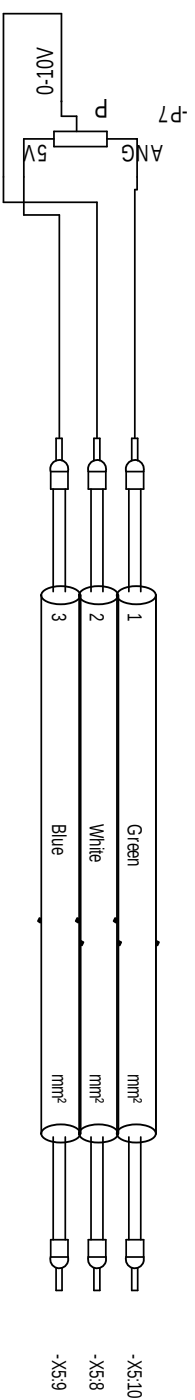
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Description:

Type:

Dimension:
Length: m

Length: m



-X5:10
-X5:8
-X5:9

3	4
3	5
3	5

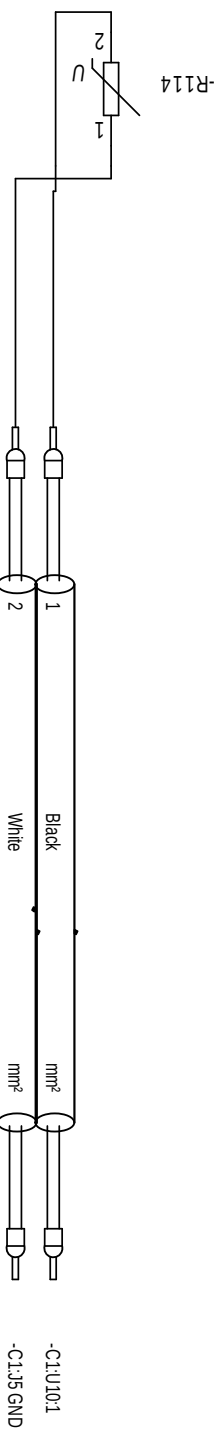
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Length: m

Length: m

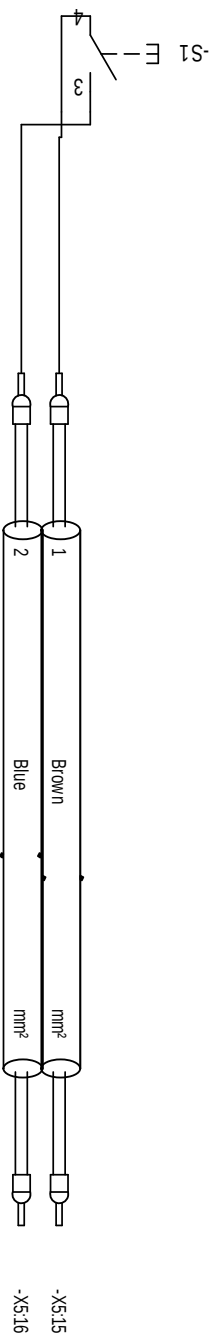


-C1:U10:1
-C1:J5 GND

3	7
3	7

Cabelplan

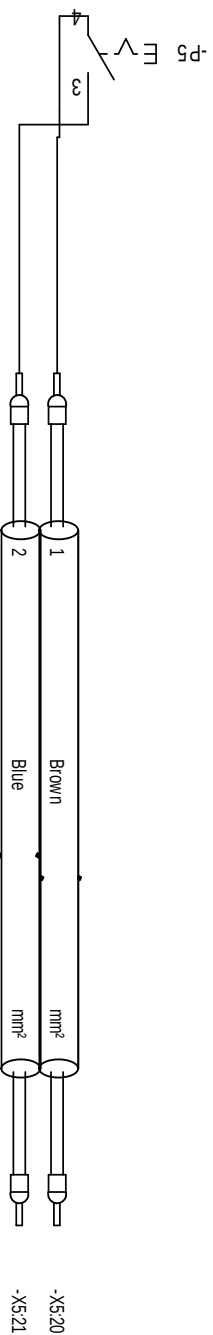
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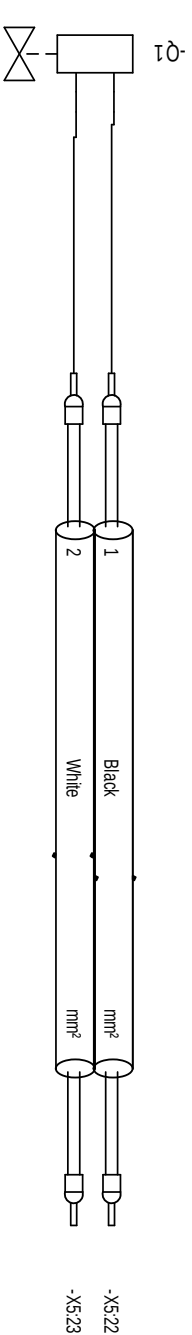
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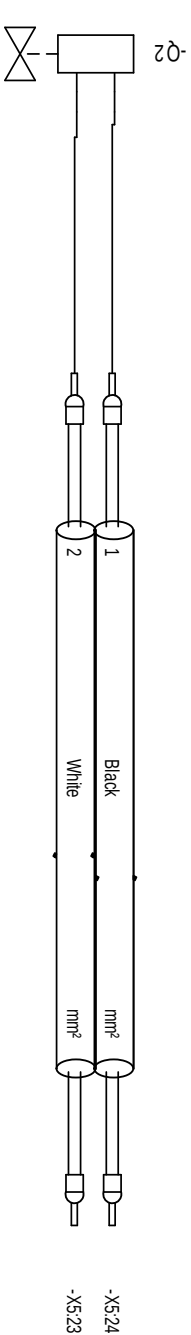
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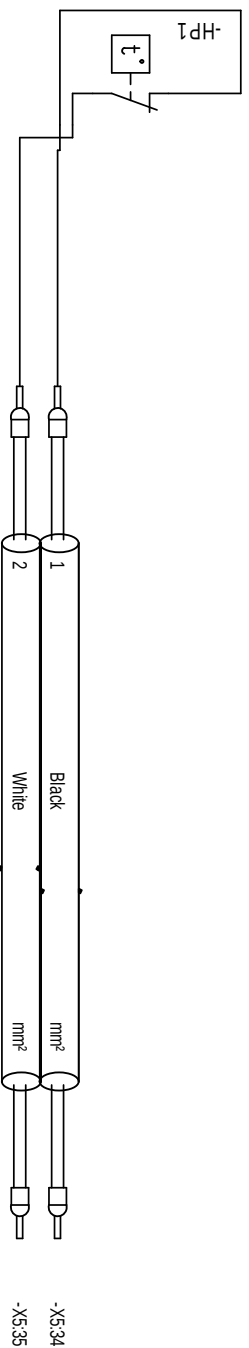
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Description:

Type:
Dimension:
Length: m

=A4-W836



Description:

Type:
Dimension:
Length: m

Cabelplan

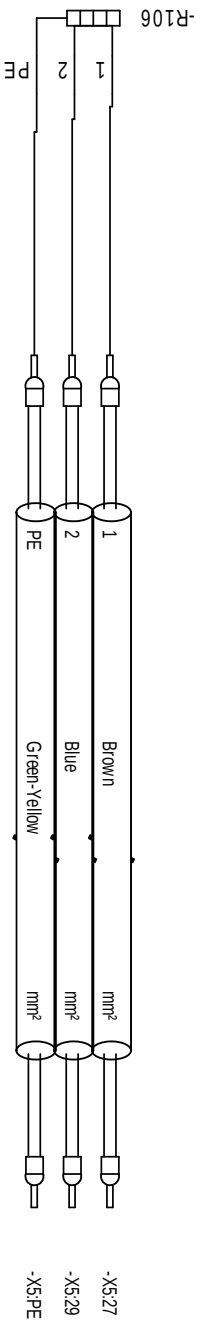
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Description:

Type:

Dimension:

Length: m



=A4-W851

Description:

Type:

Dimension:

Length: m

Path
Sheet

5	7
5	7
5	7
5	8
5	8
5	8

Project		DVU-HP Control system - ver 01.05		Int.	DCC	&EFS	Sheet	5
Date	19-09-2016	Funk		Dok. number			Page	74

Техника для климата

Доставляем оборудование по всей России от 3 дней транспортными компаниями. Реализуем проекты в десятках регионов — от Калининграда до Владивостока.

9600+

объектов и поставок

от 1 дня

отгрузка в транспортную компанию

Технические данные файла

Документ: Схема системы управления Sysimple DVU-HP

Идентификатор библиотеки: LIB-003838

Исходный файл: sysimple-dvu-hp-control-system-shema.pdf

SHA-256 оригинала: 42226c83c7a269c549bdac8169fb9bac87f4661690b126eb9269ae44f852703b

Постоянная ссылка: <https://iclim.ru/library/sysimple-dvu-hp-control-system-shema.pdf>

Копия сформирована: 03.10.2026 16:52 UTC