0	1	2	3	4	5	6	7	8	9

Project:

Hydrocontrol 2A - 0,9kW 230V

Schulprojekt Feshi Kongo

Company:

Grundfos

ORDERING INFORMATION:

ORDER / DATE.: 4506549848/ 22.05.2013

CUSTOMER: DI Reinhold Haider

control box design

CABINET DIMENSION:	500x600x250	(BxHxT)
COLOUR:	RAL 7032	
PROVISIONS:	IP54	
CABLE LEAD-IN:	below	(BxH)
DOOR:	right	

wiring colors

MAIN CURRENT WIRE 400/230V:		black
NEUTRAL WIRE:		blue
EARTH WIRE:		yelow/green
CONTROL VOLTAGE 230VAC:		
without a transformer:	L/N	brown/blue
with a transformer:	L/N	red/red-white
CONTROL VOLTAGE 0-24VAC:	L/N	blue/ blue-white
CONTROL VOLTAGE 0-24VDC:	+/-	blue/ blue-white
GND, DDC:		blue-white
MEASURE WIRE, SENSOR:		green
POTENTIAL FREE WIRE:		orange
SEPARATE VOLTAGE:		orange

_ ! ! A T T E N T I O N ! ! _

If changes will be made in the distributor or external plugs which are not done by producer, guarantee will run out. Costs arising through it would not be admitted. If it becomes necessary, out of technical reasons, you have to inform the producer. Pay attention to local electricity provisions! Synchronize engine protection plugs to the current input of the engines and control all screws, terminals and plugs, if necessary they have to be tighten up, before putting into operation.

C O N T E N T S

000 cover page
001 mains supply
002 pump 1
003 pump 2
004 control pumps
006 external messages, pump 3

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DRAWN	Hattinger	
CHECK		
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ELEKTRO ANLAGENBAU

Hydrocontrol 2A - 0,9kW 230V
Schulprojekt Feshi Kongo

cover page

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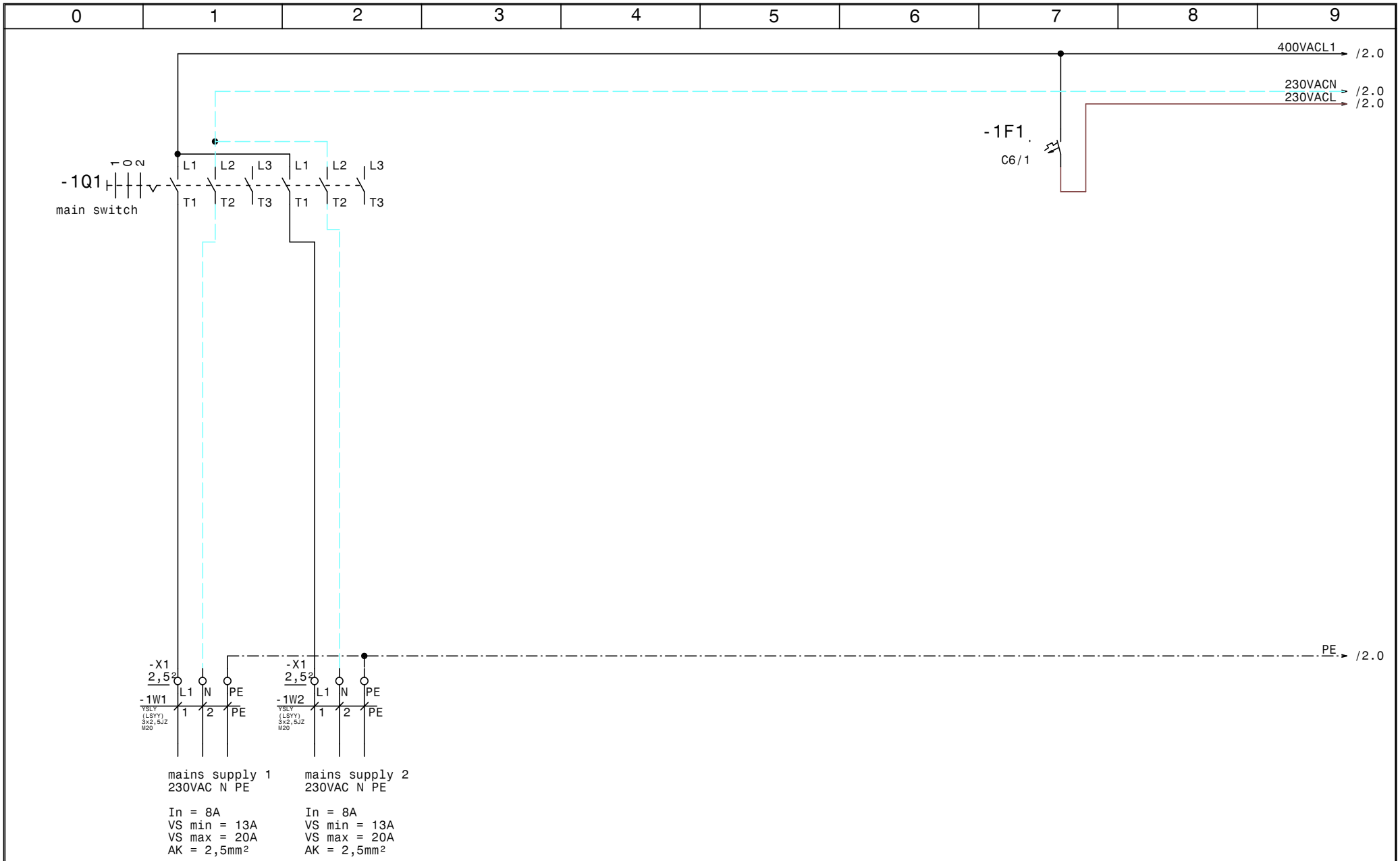

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ELEKTRO ANLAGENBAU

Hydrocontrol 2A - 0,9kW 230V
Schulprojekt Feshi Kongo

mains supply

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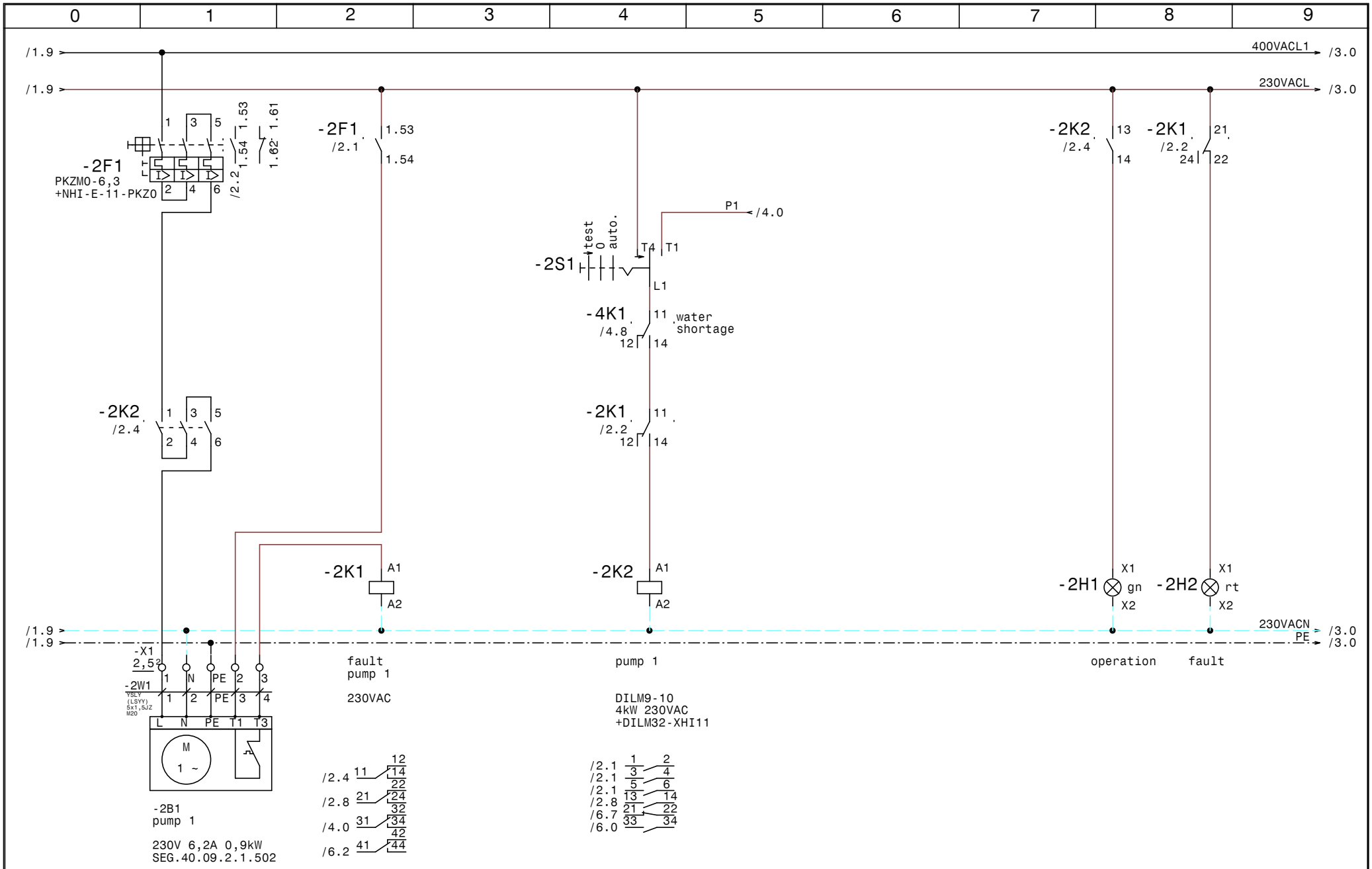

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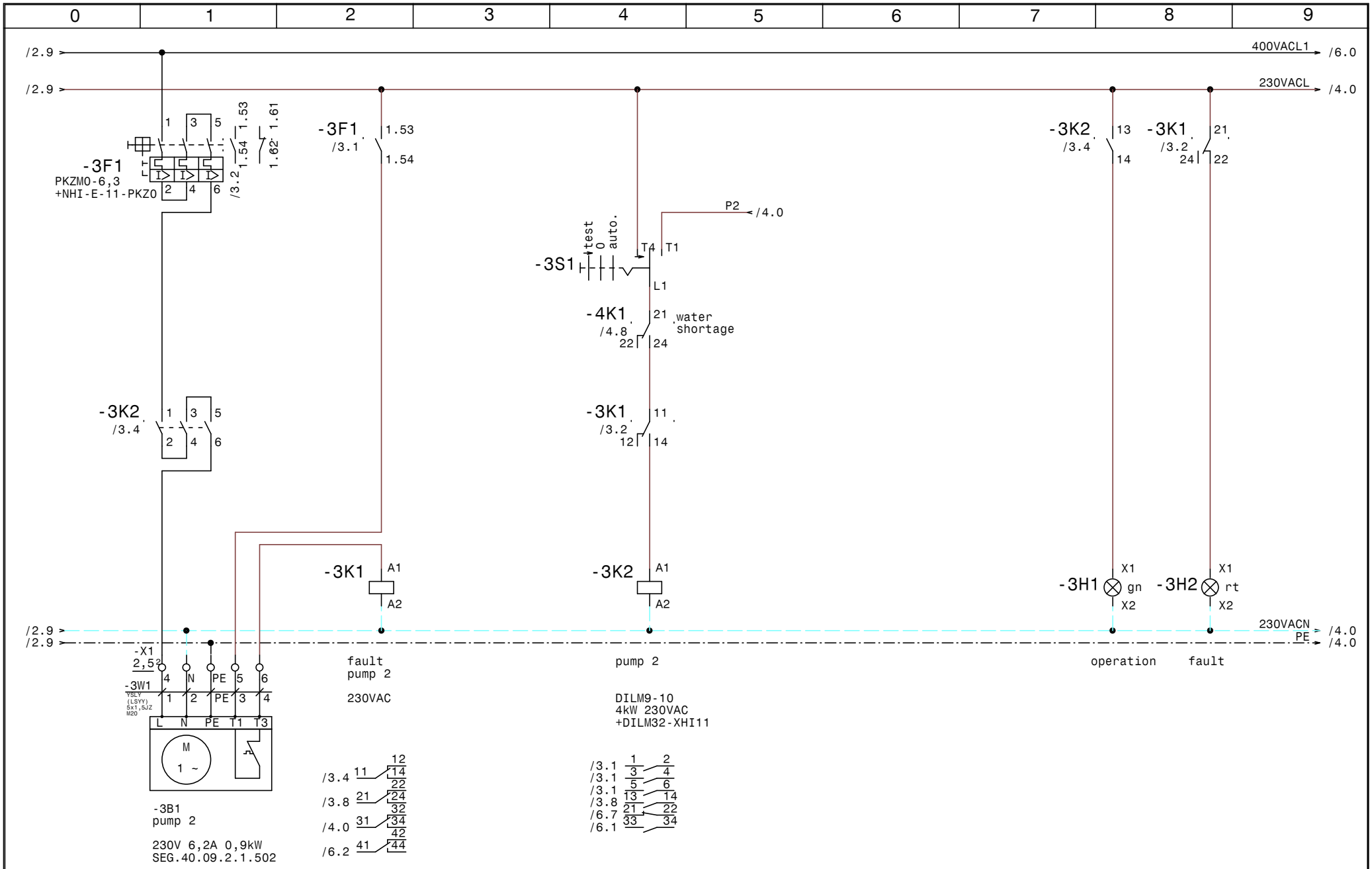

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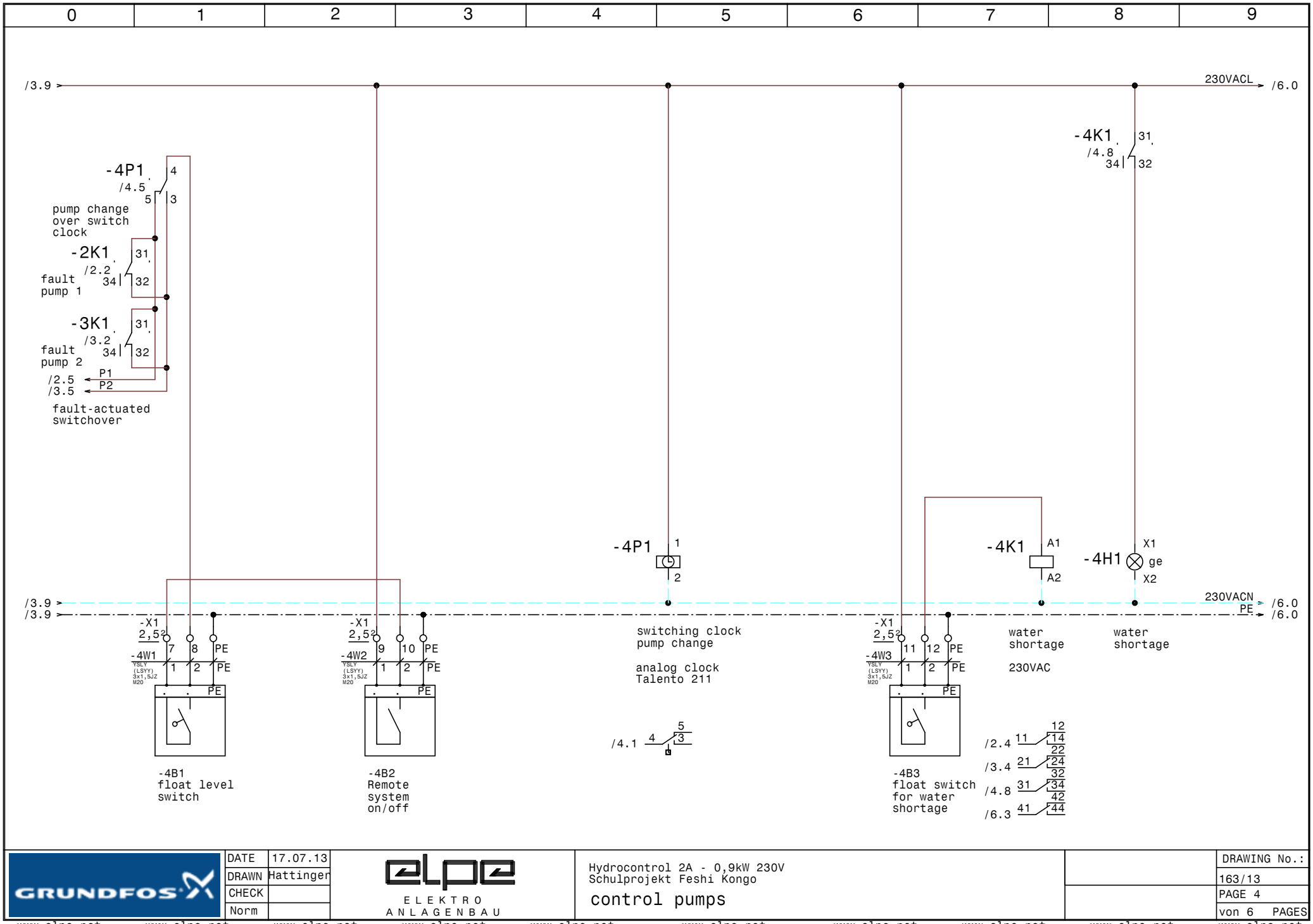

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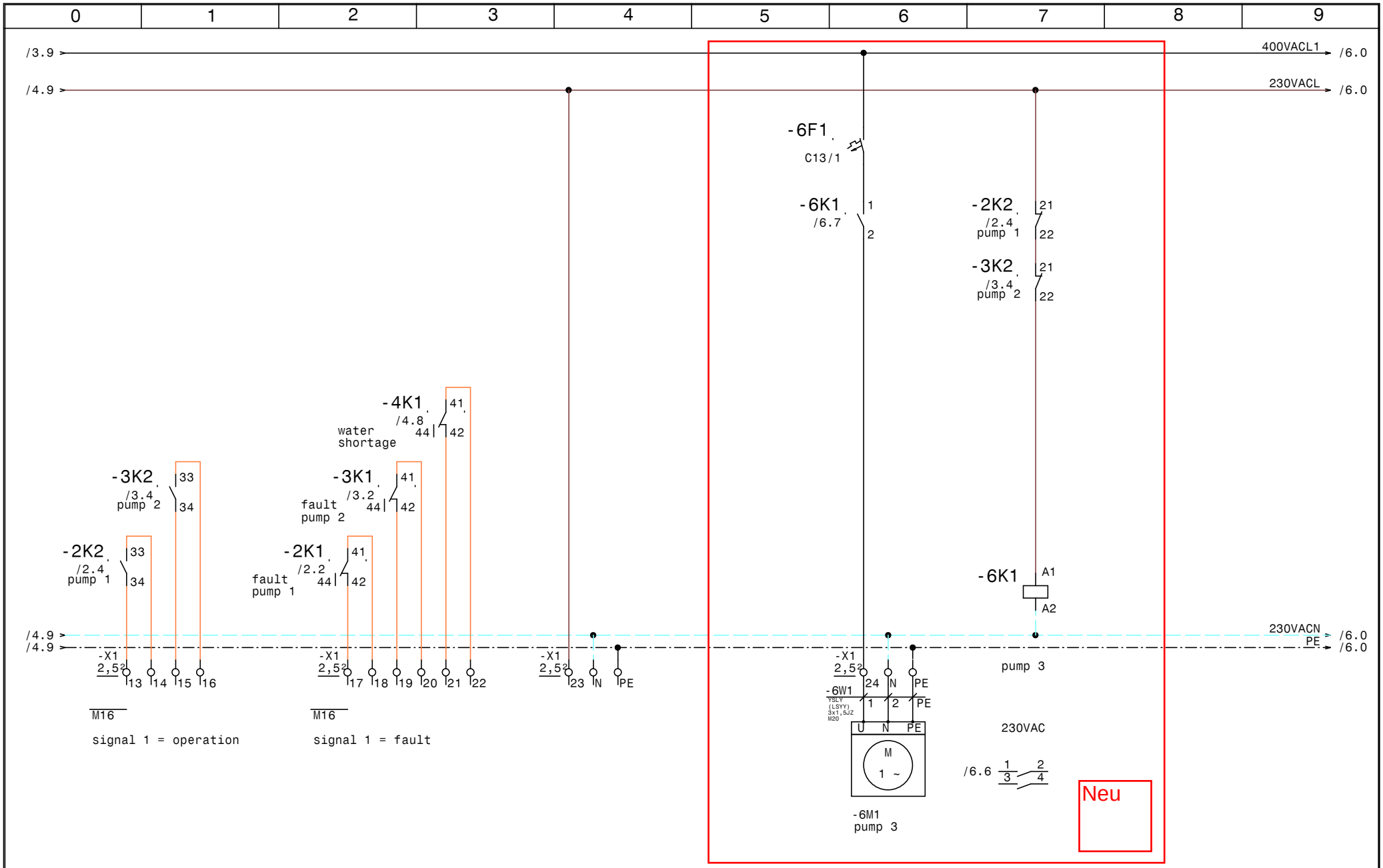

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0	1	2	3	4	5	6	7	8	9

No.	extern plugs	wires code	kind of wires	number of cables	name
1	-1We1	-1W1	YSLY (LSYY) 3x2,5JZ M20	3	mains supply 1 230VAC N PE
2	-1We2	-1W2	YSLY (LSYY) 3x2,5JZ M20	3	mains supply 2 230VAC N PE
3	-2B1	-2W1	YSLY (LSYY) 5x1,5JZ M20	5	pump 1
4	-3B1	-3W1	YSLY (LSYY) 5x1,5JZ M20	5	pump 2
5	-4B1	-4W1	YSLY (LSYY) 3x1,5JZ M20	3	float level switch
6	-4B2	-4W2	YSLY (LSYY) 3x1,5JZ M20	3	Remote system on/off
7	-4B3	-4W3	YSLY (LSYY) 3x1,5JZ M20	3	float switch for water shortage
8	-6M1	-6W1	YSLY (LSYY) 3x1,5JZ M20	3	pump 3

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Cable list

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number of pieces	produkt name	product description	produkt number
1	C6/1	Sicherungsautomaten	-1F1
2	PKZM0-6,3	Motorschutzschalter	-2F1, -3F1
2	NHI-E-11-PKZ0	Normalhilfsschalter	
1	C13/1	Sicherungsautomaten	-6F1
2	Signalleuchte grün	Signalglimmlampe grün	-2H1, -3H1
2	Signalleuchte rot	Signalglimmlampe rot	-3H2, -2H2
1	Signalleuchte gelb	Signalglimmlampe gelb	-4H1
2	DILM9-10(230V50HZ)	Schütz	-2K2, -3K2
2	DILM32-XHI11	Hilfsschalterbaustein	
3	Sockel 4polig	Sockel für Minitur Relais 4polig	
3	Relais4polig230VAC	Miniatur - Relais 4polig	-4K1, -2K1, -3K1
1	BZ 326 437 /230VAC /2S	Kleinschütz für Wärmespeicher	-6K1
1	WS 5625 B=500 H=600 T=250	Wandschrank IP 55	-0N1
1	Talento_211	Schaltuhr	-4P1
1		main switch	-1Q1
2	M10HEUK1	Umschalter 1pol. T-0-A T mit Rück	-3S1, -2S1
2	M16	Kabelverschraubung	-6V1, -6V2
8	M20	Kabelverschraubung	-4W2, -1W2, -2W1, -3W1, -1W1, -6W1
			-4W3, -4W1
9	EK 2,5 ge/gr	Erdungsklemme	-X1, -X1
6	Klemme 2,5 blau	Klemme N	-X1, -X1
26	Klemme 2,5 grau	Klemme L	-X1, -X1

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