Project:

Hydrocontrol DL 1,1-1A FTW325

Lacor Hospital wastewater

Company:

Grundfos

ORDERING INFORMATION:

ORDER / DATE.:	4507270756/ 11.03.2014
CUSTOMER:	BBM-7204393

control box design

CABINET DIMENSION:	400x500x200	(BxHxT)
COLOUR:	RAL 7035	
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 Front page
001 Mains Supply
002 pump 1
003 level and water shortage

DATE	02.04.14	
DRAWN	Hattinger	
CHECK		
Norm		

ELEKTRO ANLAGENBAU

Hydrocontrol DL 1,1-1A FTW325
Lacor Hospital wastewater
Front page

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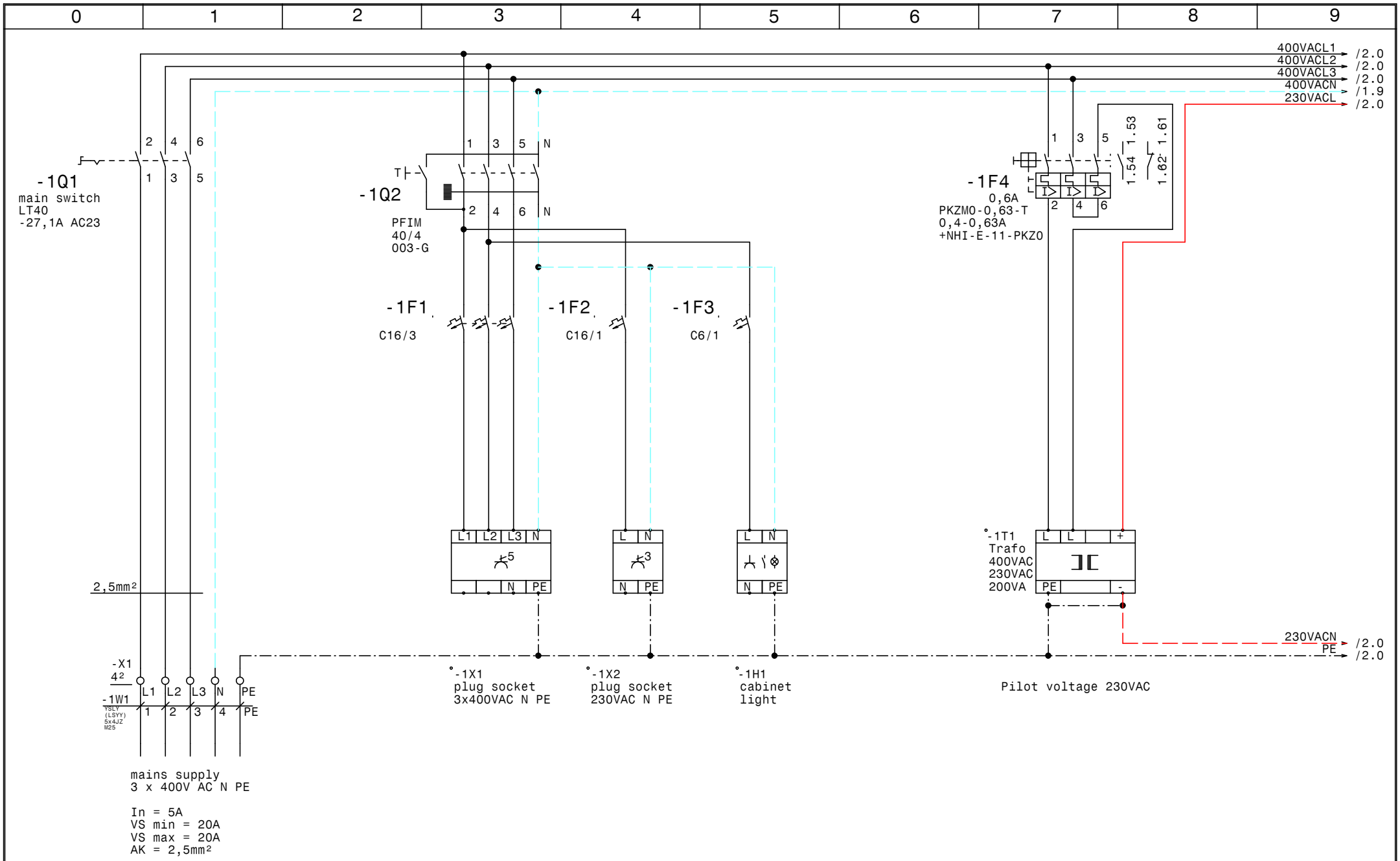

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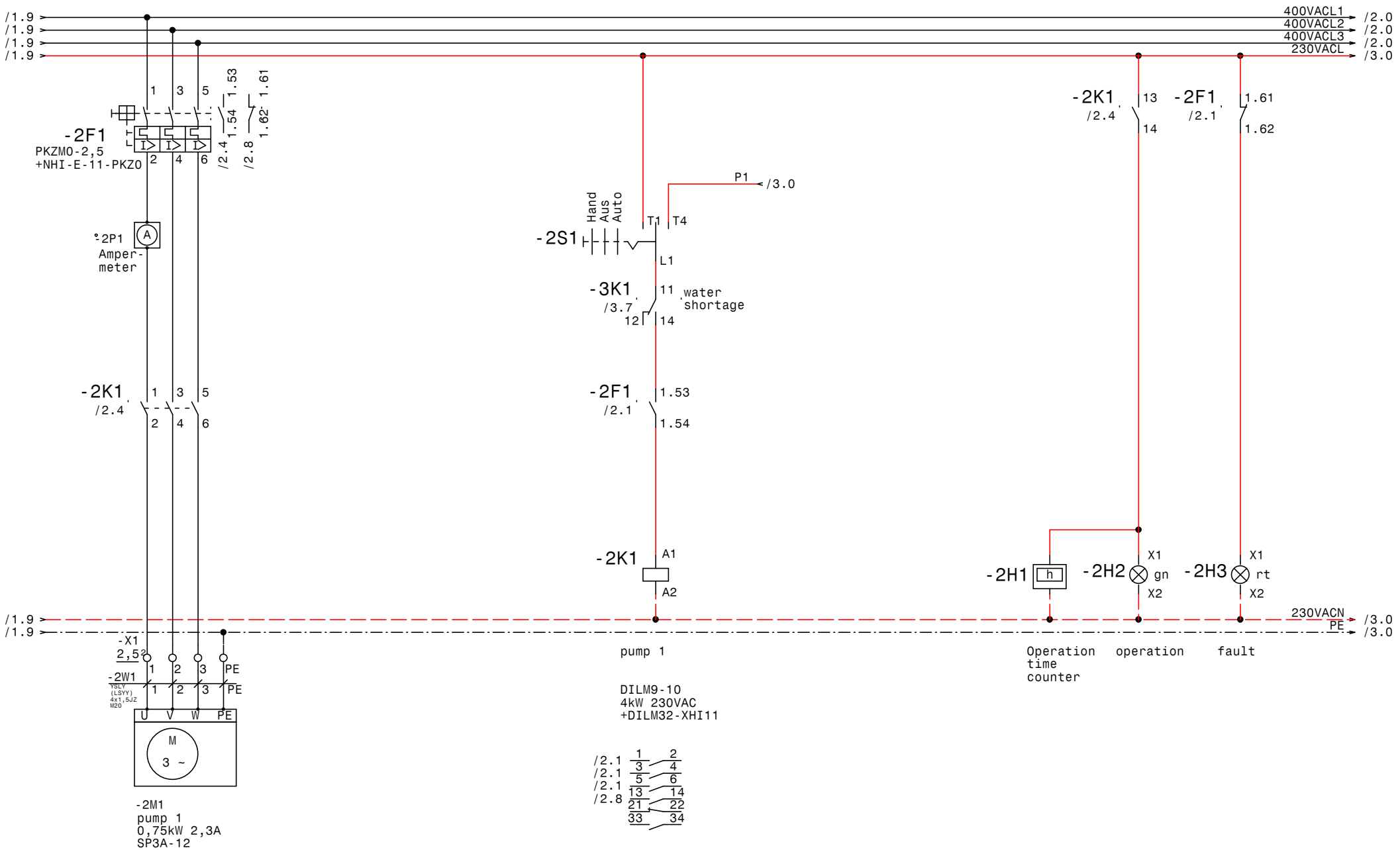

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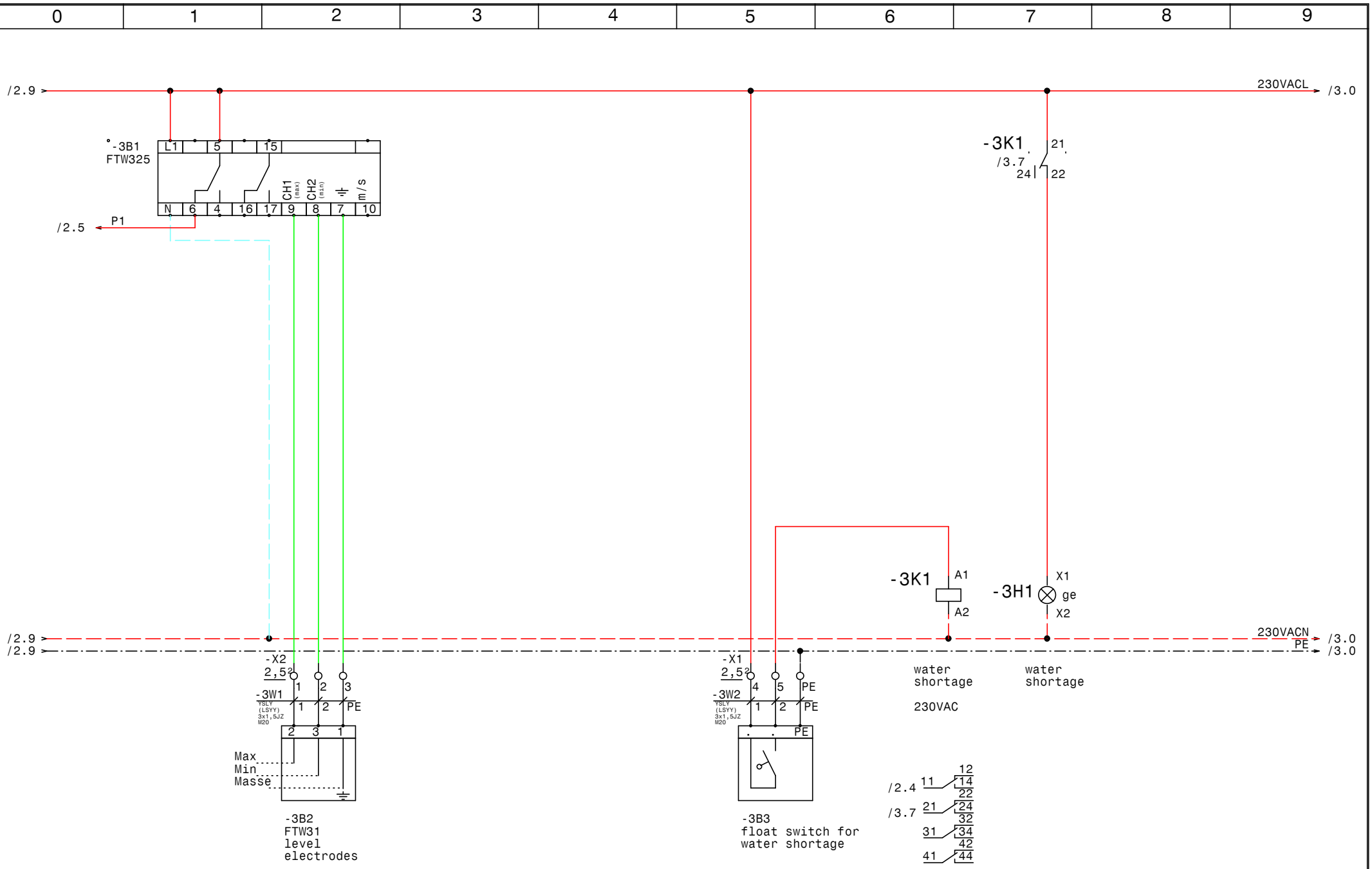

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0	1	2	3	4	5	6	7	8	9

No.	extern plugs	wires code	kind of wires	number of cables	name
1	-1We1	-1W1	YSLY (LSYY) 5x4JZ M25	5	mains supply 3 x 400V AC N PE
2	-2M1	-2W1	YSLY (LSYY) 4x1,5JZ M20	4	pump 1
3	-3B2	-3W1	YSLY (LSYY) 3x1,5JZ M20	3	FTW31 level electrodes
4	-3B3	-3W2	YSLY (LSYY) 3x1,5JZ M20	3	float switch for water shortage

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Cable list

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0	1	2	3	4	5	6	7	8	9

number of pieces	produkt name	product description	produkt number
1	FTW325	FTW325	-3B1
1	C16/3	Fuse automat	-1F1
1	C16/1	Fuse automat	-1F2
1	C6/1	Fuse automat	-1F3
1	PKZM0-0,63-T	Transformer circuit breaker	-1F4
1	PKZM0-2,5	Motor protection switch	-2F1
2	NHI-E-11-PKZ0	auxiliary switch	
1		cabinet light	-1H1
1		Operation time counter	-2H1
1	Signalleuchte grün	Green indicator lamp	-2H2
1	Signalleuchte rot	Red indicator lamp	-2H3
1	Signalleuchte gelb	Yellow indicator lamp	-3H1
1	DILM9-10(230V50HZ)	Contactor	-2K1
1	DILM32-XHI11	Auxiliary switch block	
1	Relais4polig230VAC	Miniature relay 4 pole	-3K1
1	Sockel 4polig	Socket for miniature relay 4 pole	
1	WS 4520 B=400 H=500 T=200	Cabinet IP 55	-0N1
1		Ampermeter	-2P1
1	LT40 -27,1A AC23	Mains switch	-1Q1
1	PFIM-40/4/003-G	LSFI- Switch	-1Q2
1	M10HEU1	changeover switch	-2S1
1		transformer 400VAC 230VAC 200VA	-1T1
1	M25	cable gland	-1W1
3	M20	cable gland	-2W1, -3W1, -3W2
3	Klemme 4 grau	clamp L	-X1
1	Klemme 4 blau	clamp N	-X1
1	EK 4 ge/gr	ground terminal	-X1
8	Klemme 2,5 grau	clamp L	-X1, -X2
2	EK 2,5 ge/gr	ground terminal	-X1
2		plug socket	-1X1, -1X2

GRUNDFOS

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Material list

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