

Multifunctional double pan DL/DM/DS glass - wiring diagram

JIPA CZ s.r.o.

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2	Supply wirings	-
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4	Pan drive 1, drain drive 1	-
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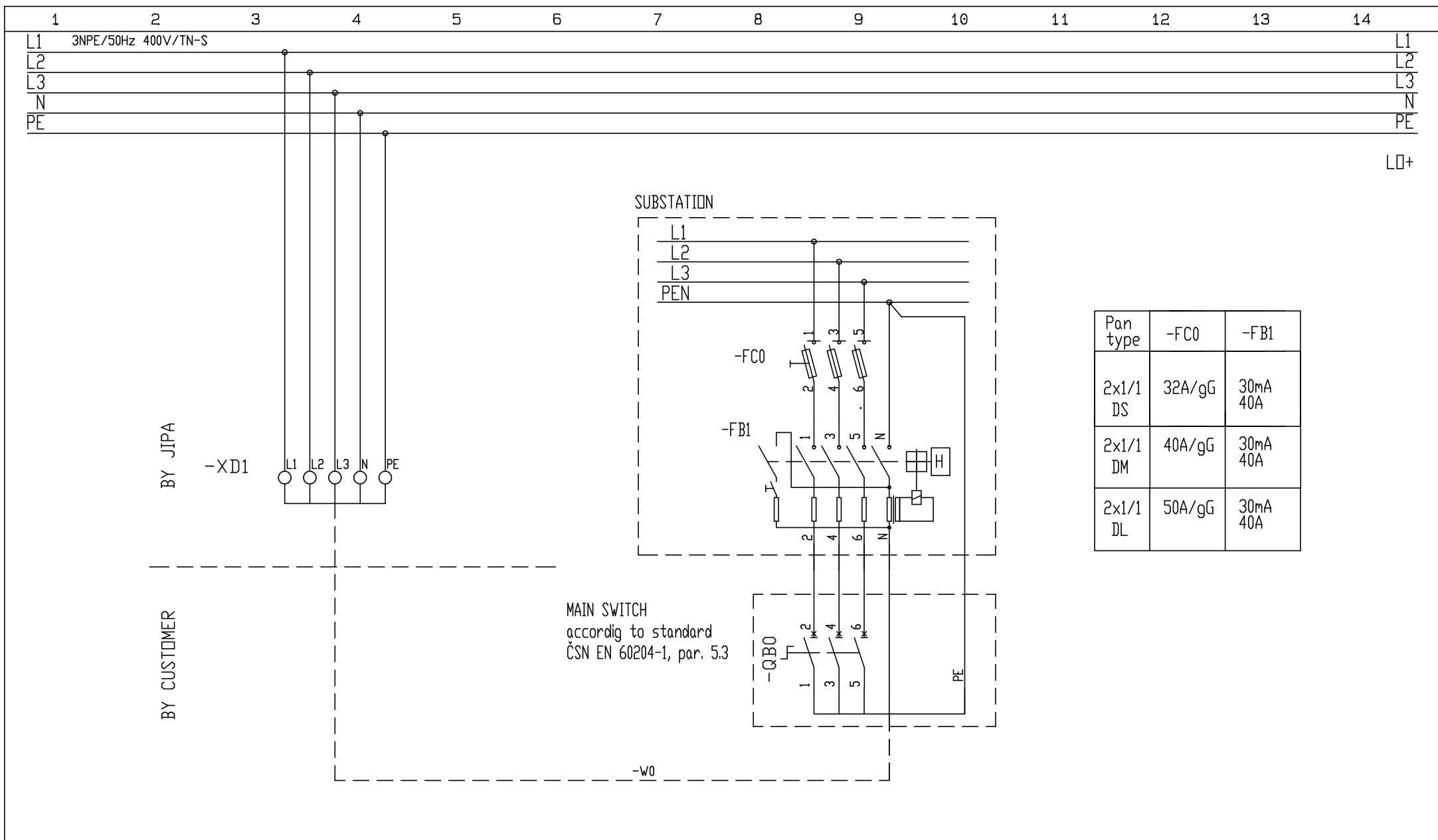


Investor:
Order:
Project: Multifunctional double pan DL/DM/DS glass

Updated by: Mišák
Confirmed:
Drawing:

Page list

Reference:
Date: 05/2022
Scale:
List 0 z



Investor:

Order:

Project: Multifunctional double pan DL/DM/DS glass

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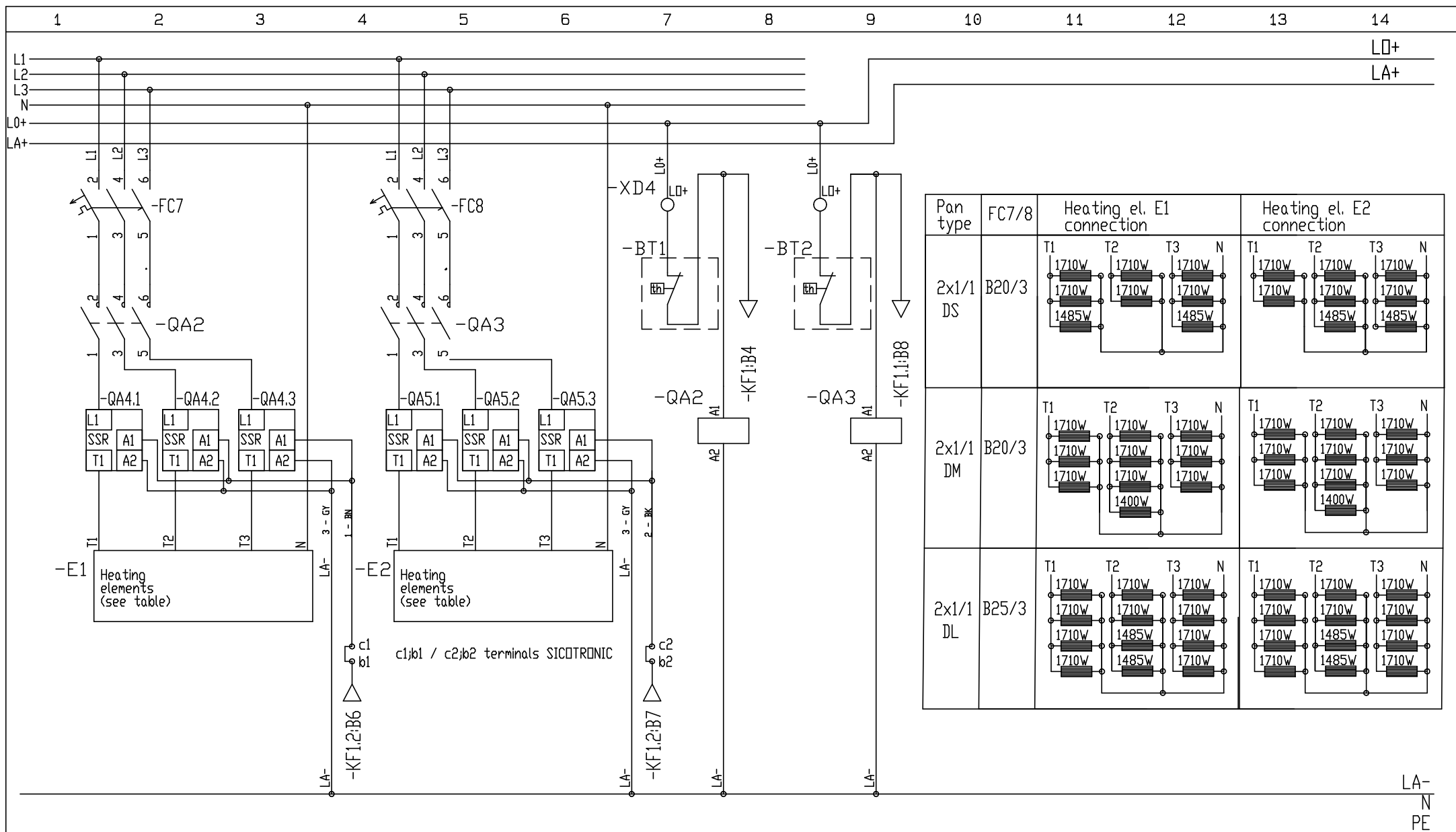
Drawing: Main supply

Reference:

Date: 05/2022

Scale:

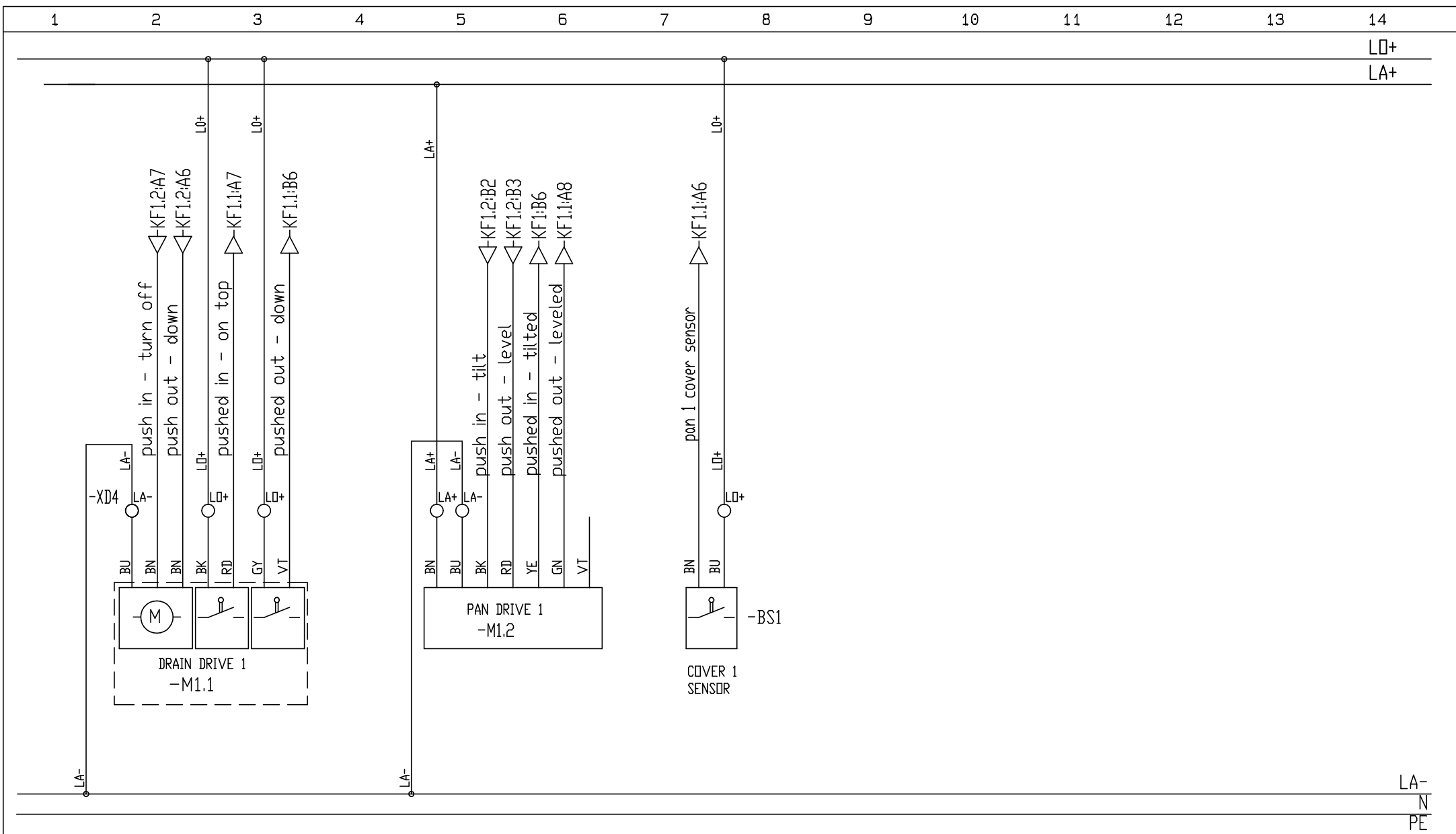
List 1 z



Investor:
Order:
Project: Multifunctional double pan DL/DM/DS glass

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Confirmed:
Drawing: SSR

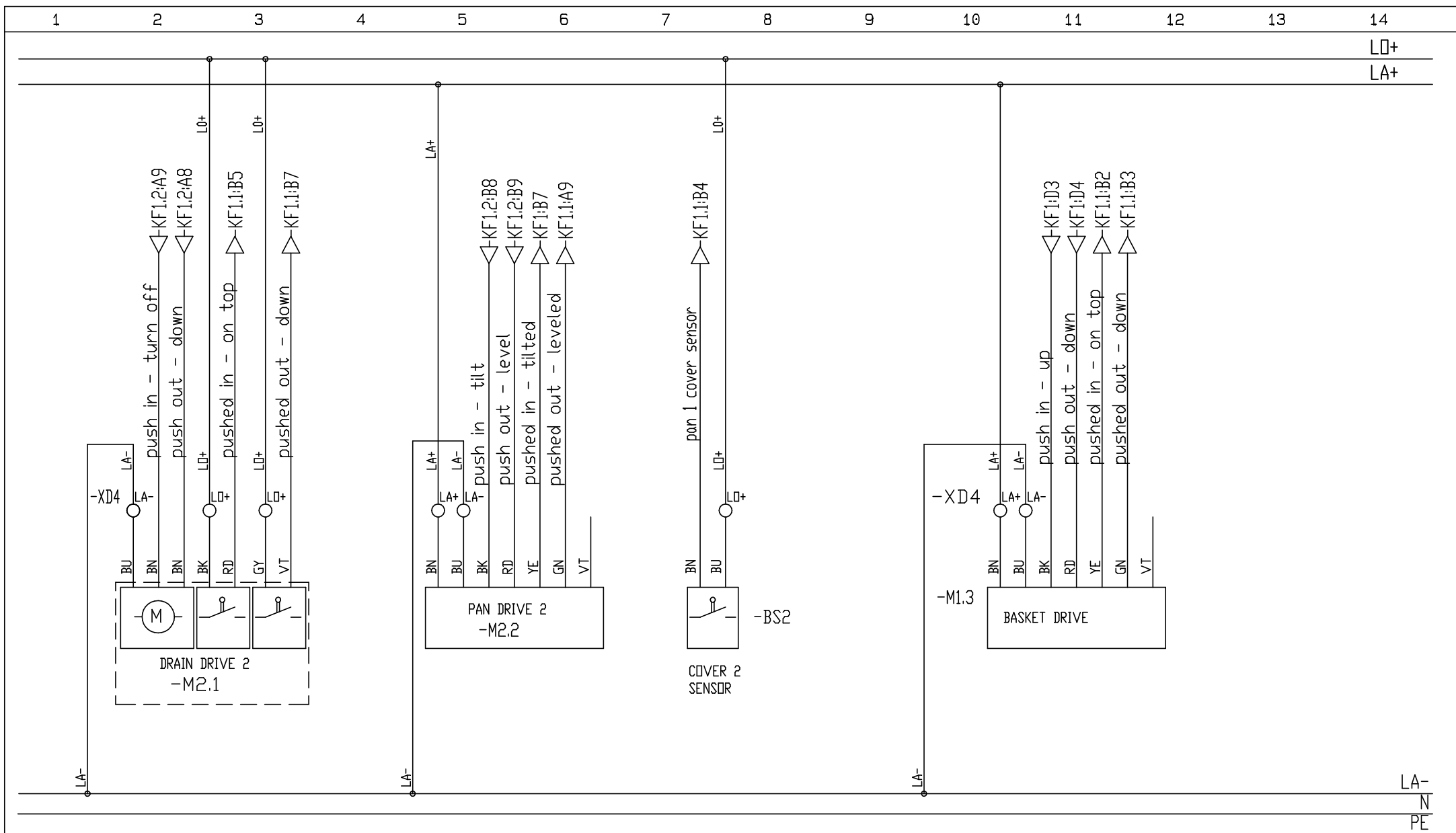
Reference:
Date: 05/2022
Scale:
List 3 z



Investor:
Order:
Project: Multifunctional double pan DL/DM/DS glass

Updated by: Mišák
Confirmed:
Drawing: Pan drive 1, drain drive 1

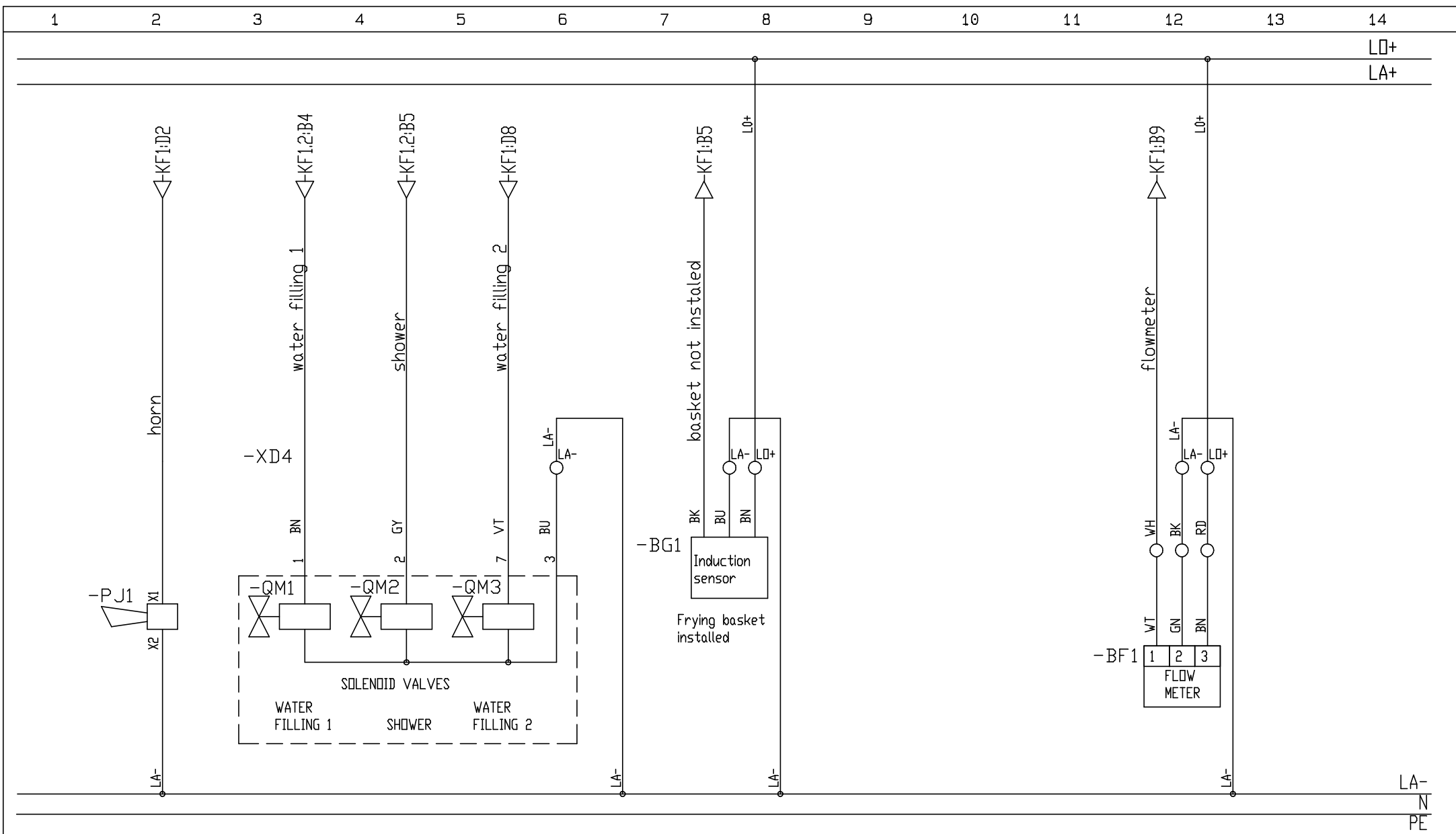
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Date: 05/2022
Scale:
List 4 z



Investor:
Order:
Project: Multifunctional double pan DL/DM/DS glass

Updated by: Mišák
Confirmed:
Drawing: Pan drive 2, drain drive 2, basket drive

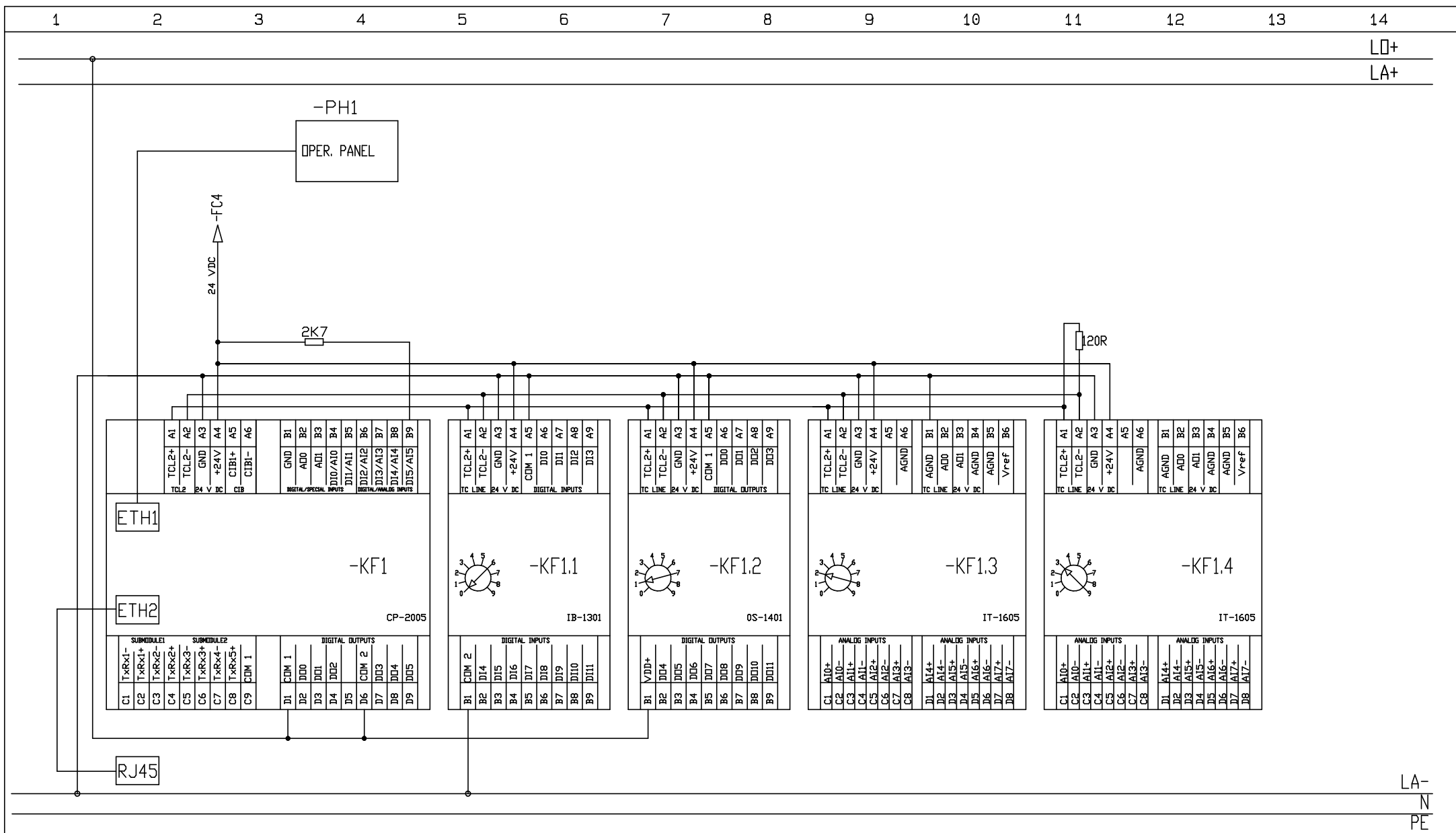
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Date: 05/2022
Scale:
List 5 z



Investor:
Order:
Project: Multifunctional double pan DL/DM/DS glass

Updated by: Mišák
Confirmed:
Drawing: Horn, valves, sensors

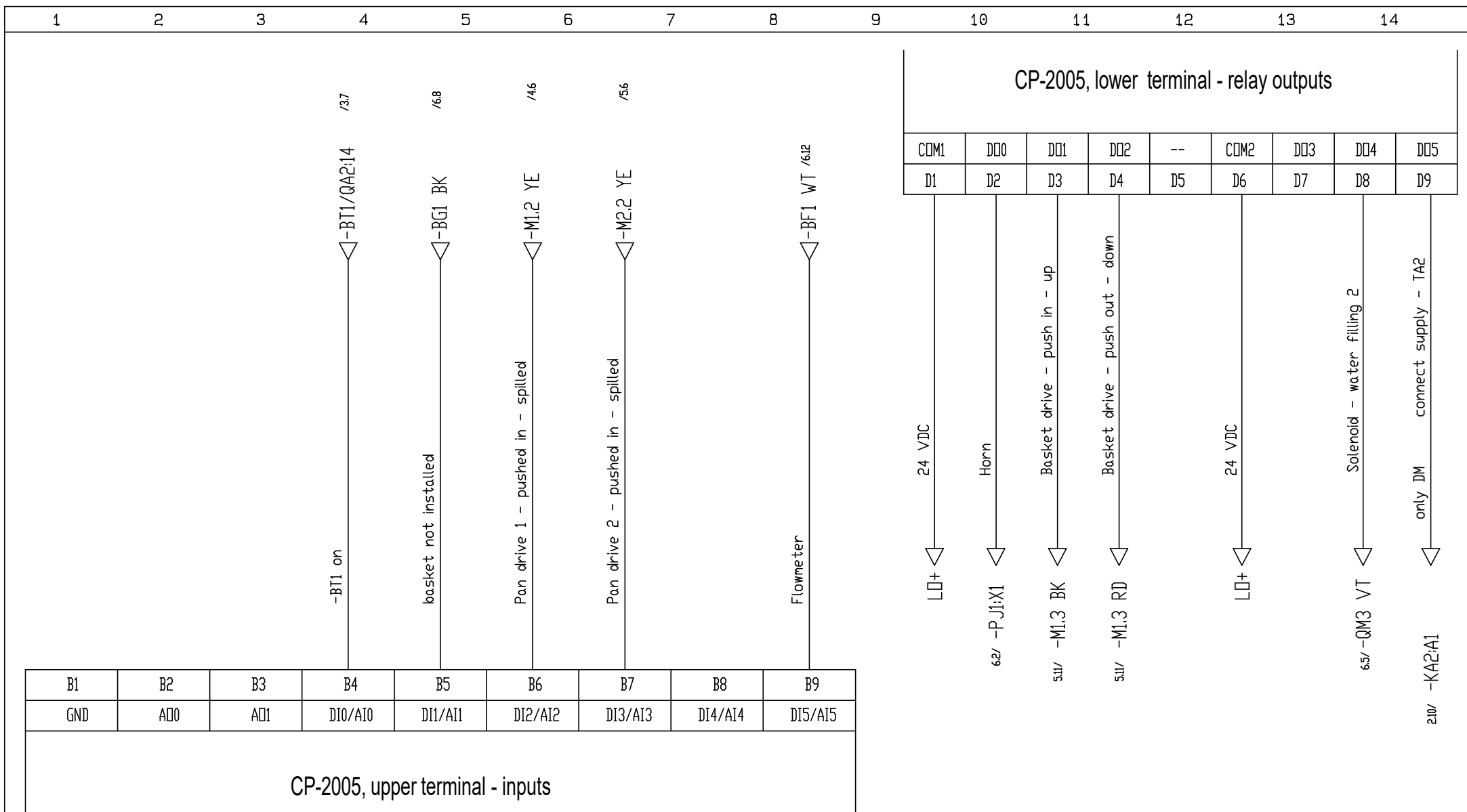
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Date: 05/2022
Scale:
List 6 z



Investor:
Order:
Project: Multifunctional double pan DL/DM/DS glass

Updated by: Mišák
Confirmed:
Drawing: PLC supplying, PLC net

Reference:
Date: 05/2022
Scale:
List 7 z



Investor:

Order:

Project: Multifunctional double pan DL/DM/DS glass

Updated by: Mišák

Confirmed:

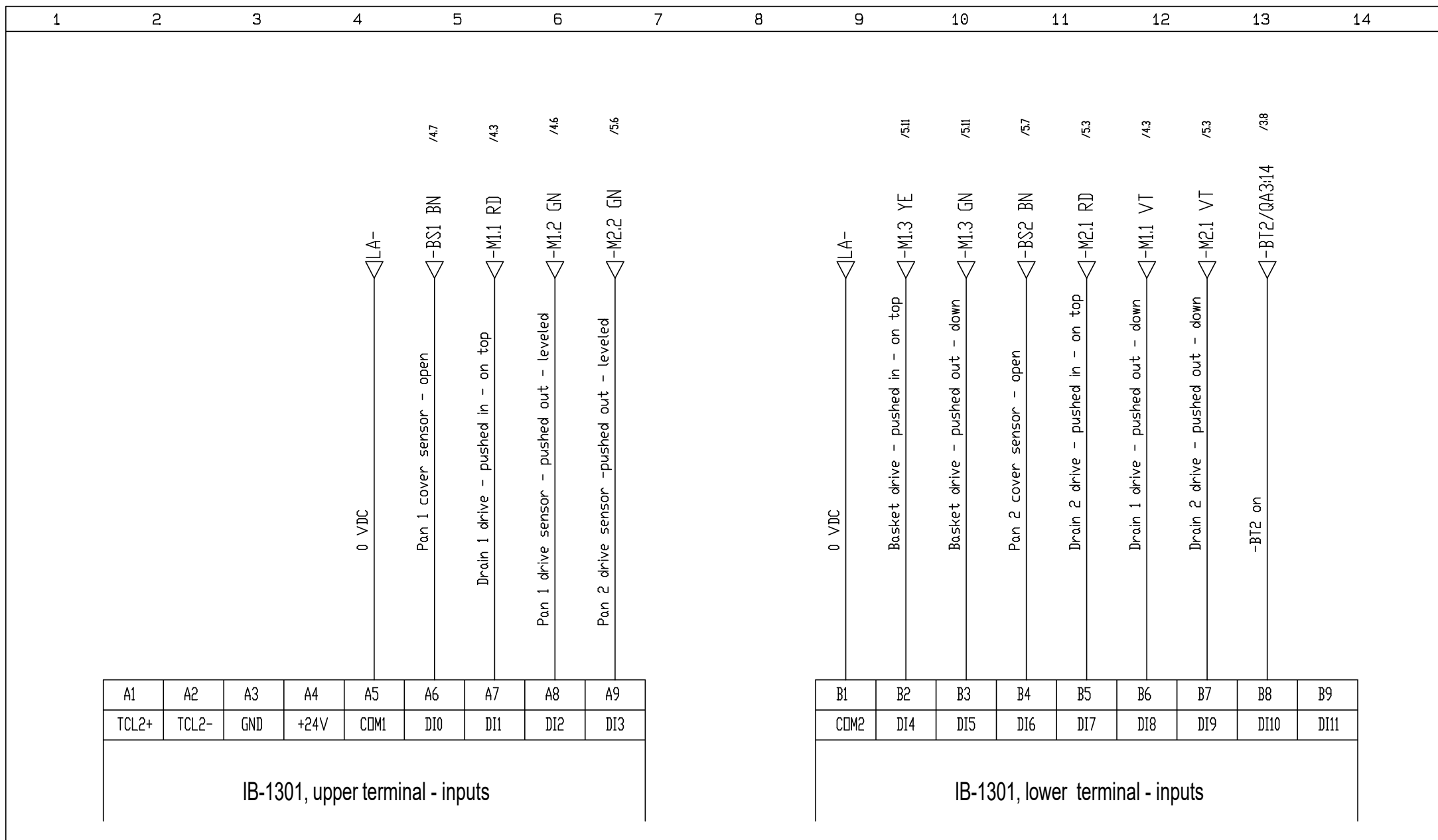
Drawing: KF1 - base module

Reference:

Date: 05/2022

Scale:

List 8 z



Investor:

Order:

Project: Multifunctional double pan DL/DM/DS glass

Updated by: Mišák

Confirmed:

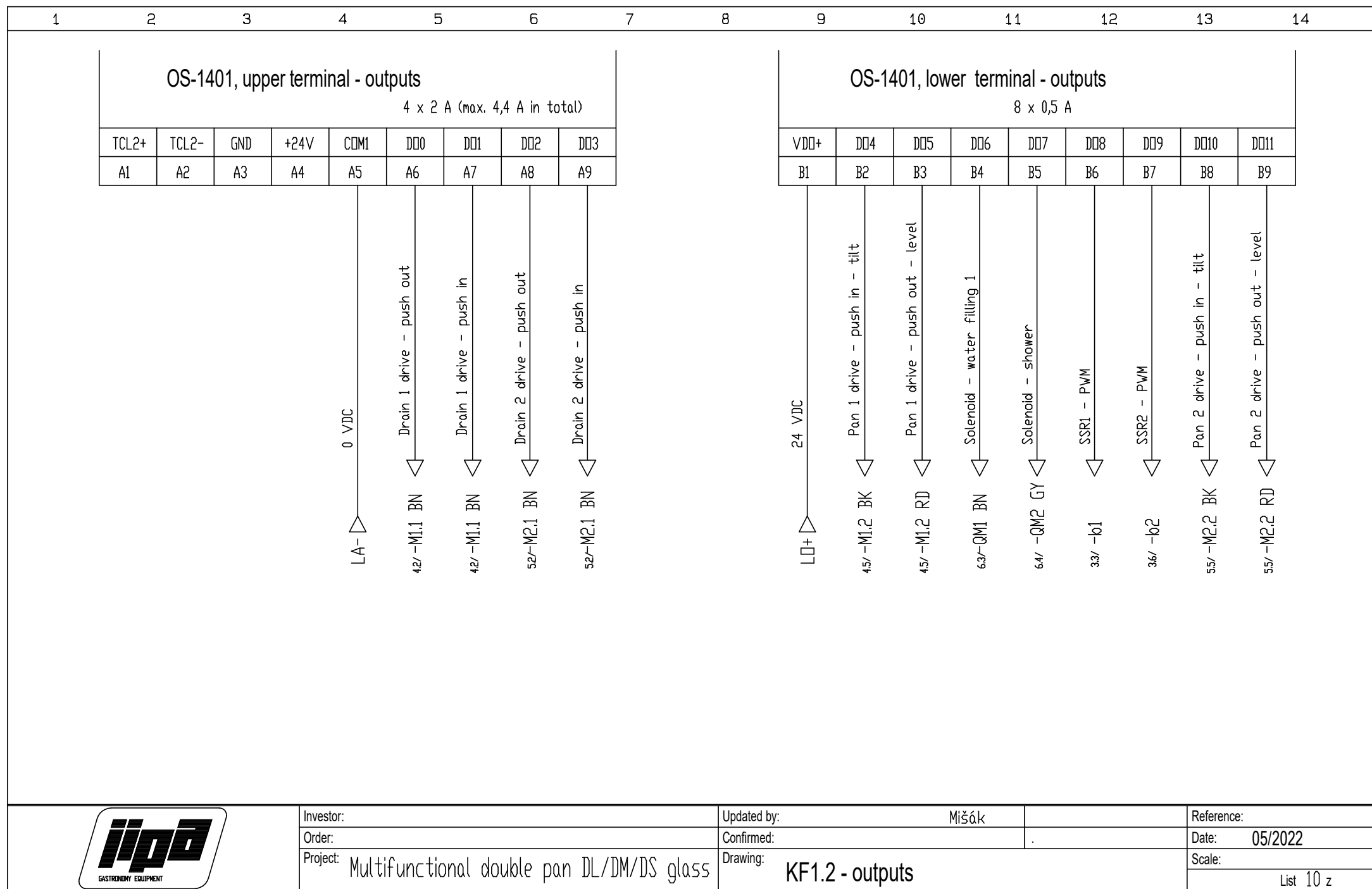
Drawing: KF1.1 - inputs

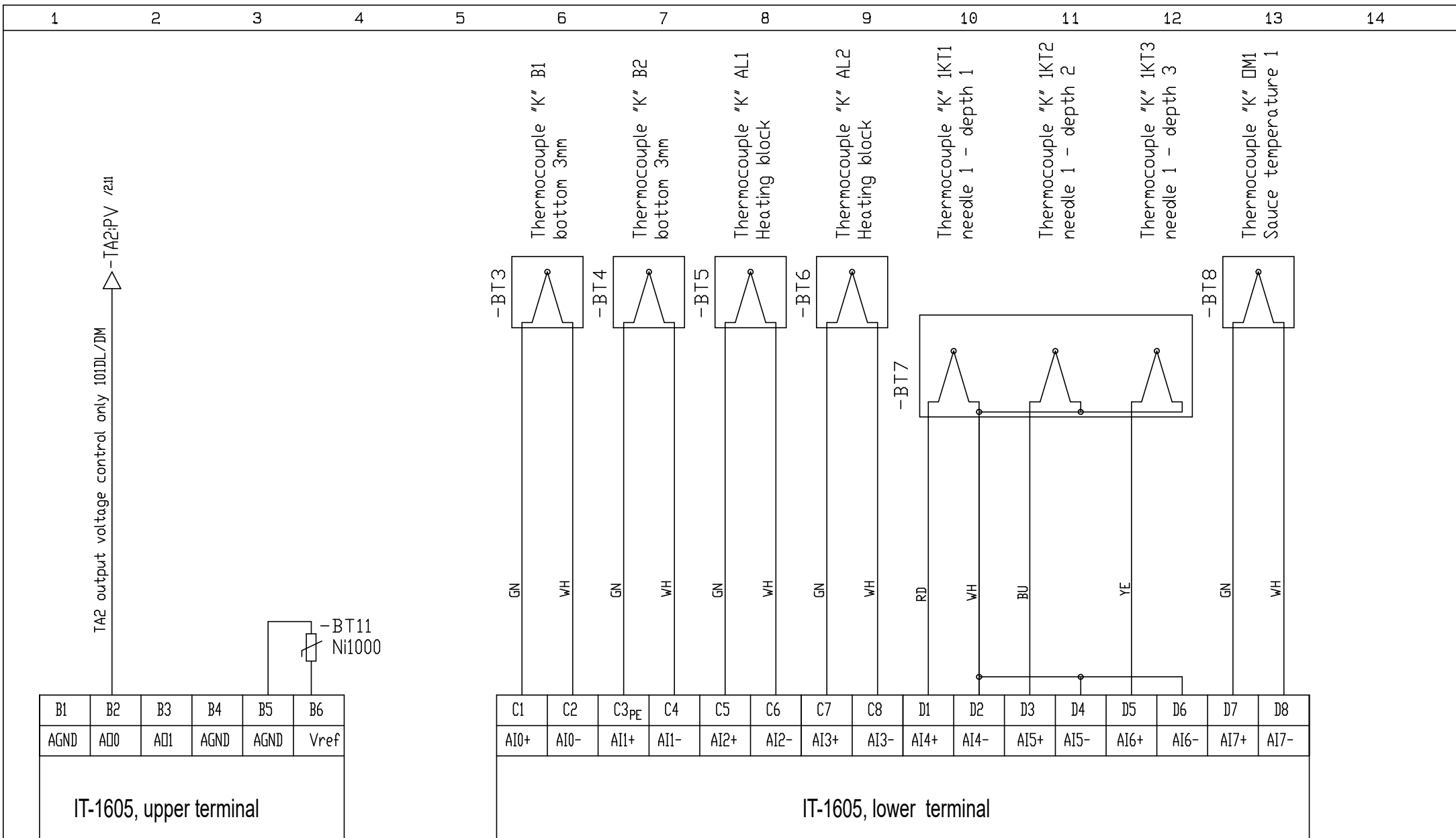
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Date: 05/2022

Scale:

List 9 z

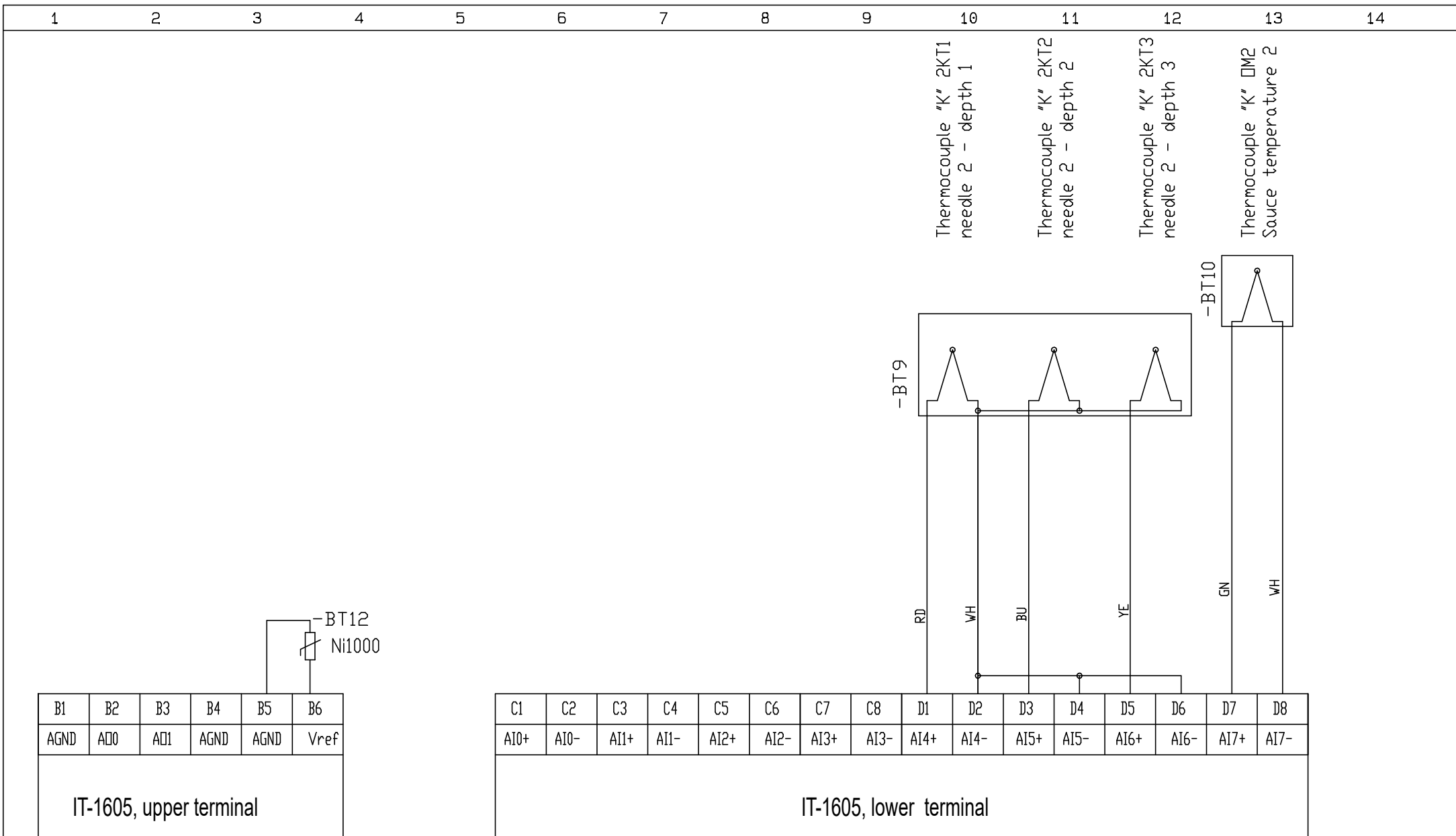




Investor:
 Order:
 Project: Multifunctional double pan DL/DM/DS glass

Updated by: Mišák
 Confirmed:
 Drawing: KF1.3 - analog inputs

Reference:
 Date: 05/2022
 Scale:
 List 11 z



Investor:

Order:

Project: Multifunctional double pan DL/DM/DS glass

Updated by: Mišák

Confirmed:


Drawing: KF1.4 - analog inputs

Reference:

Date: 05/2022

Scale:

List 12 z

1	2	3	4	5	6	7	8	9	10	11	12	13	14		
Item	Name	Cat. nr.	Note												
-BF1	Flowmeter	290140	G3/4 1-15L/min												
-BG1	Inductive sensor	290370	-												
-BS1,-BS2	Microswitch	211530	-												
-BT1,-BT2	Safety thermostat	290485	350°C												
-BT3-6	Thermocouple	290259	Type "K"												
-BT7,-BT9	Core temperature probe	290038	-												
-BT8,-BT10	Thermocouple sauce	290263	Type "K"												
-BT11,-BT12	Compensation-thermocouple	290181	Ni1000												
-E1,-E2	Heating elements	DS/DL-290746; 290748; 290749	DM-290746;290750	1710W/230V , 1485W/230V , 1485W/230V 1400W/230V											
-FB1	Current protector	By customer	40A/30mA												
-FC1	C. braker + Cur. prot.	290644	B16/1, 30mA												
-FC2	Circuit braker	290645	B10/1												
-FC3	Fuse		1A												
-FC4,-FC6	Fuse		2A												
-FC7,-FC8	Circuit braker	DS/DM - 290688; DL - 290467	B20/3; B25/3												
-KA1	Remote switch	290233	-												
-	-	-	-												
-KF1	PLC - base module	290663	-												
-KF1.1	PLC - inputs	290078	-												
-KF1.2	PLC - outputs	290079	-												
-KF1.3	PLC - analog inputs	290080	-												
-KF1.4	PLC - analog inputs	290080	-												
-M1.1,-M2.1	Drain drive	290425	-												
-M1.2,-M2.2	Pan drive	DS - 290684; DM/DL - 290629	-												
-M1.3	Basket drive	290084													
-PH1	Operator panel	820001	-												
-PJ1	Horn	290484	100dB												
		Investor:					Updated by: Mišák					Reference:			
		Order:					Confirmed:					Date: 05/2022			
		Project: Multifunctional double pan DL/DM/DS glass					Drawing:					Scale:			
							Part list					List 13 z			

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Item	Name	Cat. nr.			Note								
-QA1	Contactor	290223			12A, 24VDC								
-QA2,-QA3	Contactor	290224			25A, 24VDC								
-QA4,-QA5	SSR	290671			1 ph 50A 24-510VAC								
-QM1-3	Solenoid valve	290353			24VDC								
					-								
-SB1/-PF1	Switch I/□	290450			-								
-TA1	Power supply 230VAC/24VDC	290096			-								
-TA2	Power supply 230VAC/24VDC	DS - 290096; DM - 290051											
-XD1	Terminal				-								
-XD2	Socket outlet	-			230V, 16A								
-	-	-			-								
-XD4	Terminal	-			-								
		Investor:			Updatet by:			Mišák			Reference:		
		Order:			Confirmed:						Date: 05/2022		
		Project: Multifunctional double pan DL/DM/DS glass			Drawing:			Part list			Scale:		
											List 14 z		

Signal list of multifunctional pan - double pan

KF1 - CP-2005 - Base module PLC

<i>PIN</i>	<i>DESCRIPTION</i>	
B4	thermostat of heting section BT1 - left	QA2:14
B5	basket not installed	BG1 black
B6	pan drive 1 - left - push in - tilted	M1.2 yellow
B7	pan drive 2 - right - push in - tilted	M2.2 yellow
B8	optimization of consumption	
B9	flowmeter - impulse counter	BF1 white
D2	horn	PJ1:X1
D3	basket drive - push in - up	M1.3 black
D4	basket drive - push out - down	M1.3 red
D7		
D8	solenoid - water filling 2 - right	QM3 violet
D9	connect power supply TA2 (24V) after start (pouze DM,DL)	KA2:A1
B2		
B3		

KF1.1 - IB-1301 - inputs 12xDI adr.0

<i>PIN</i>	<i>DESCRIPTION</i>	
A6	cover senzor 1 - left - opened	BS1 brown
A7	drain drive 1 - left- push in	M1.1 red
A8	pan drive 1 - left - push out - leveled	M1.2 green
A9	pan drive 2 - right - push out - leveled	M2.2 green
B2	basket drive - push in - on top	M1.3 yellow
B3	basket drive - push out - down	M1.3 green
B4	cover senzor 2 - right - opened	BS2 brown
B5	drain drive 2 - right - push in	M2.1 red
B6	drain drive 1 - left- push out	M1.1 violet
B7	drain drive 2 - right - push out	M2.1 violet
B8	thermostat of heting section BT2 - right	QA3:14
B9		

KF1.2 - OS-1401 - outputs 12xDO adr.1

<i>PIN</i>	<i>DESCRIPTION</i>	
A6	drain drive 1 - left- push out	M1.1 brown
A7	drain drive 1 - left- push in	M1.1 brown
A8	drain drive 2 - right - push out	M2.1 brown
A9	drain drive 2 - right - push in	M2.1 brown
B2	pan drive 1 - left - push in - tilt	M1.2 black
B3	pan drive 1 - left - push out - level	M1.2 red
B4	solenoid - water filling 1 - left	QM1 brown
B5	solenoid - shower	QM2 grey
B6	heating 1 - left - switch on	QA4:A1
B7	heating 2 - right - switch on	QA5:A1
B8	pan drive 2 - right - push in - tilt	M2.2 black
B9	pan drive 2 - right - push out - level	M2.2 red

KF1.3 - IT-1605 - analog inputs 8xAI (thermocouples K) adr.2

<i>PIN</i>	<i>DESCRIPTION</i>	
C1,C2	temperature in board B1 - left	
C3,C4	temperature in board B2 - right	
C5,C6	temperature of heating block AL1 - left	
C7,C8	temperature of heating block AL2 - right	
D1,D2	temperature of needle 1KT1 - depth 1	
D3,D4	temperature of needle 1KT2 - depth 2	
D5,D6	temperature of needle 1KT3 - depth 3	
D7,D8	sauce temperature (in pan) OM1	
AICJC	temperature in the switchboard	
B2	TA2 output voltage control - speed of pan (only DM,DL)	TA2:PV
B3		

KF1.4 - IT-1605 - analog inputs 8xAI (thermocouples K) adr.3

<i>PIN</i>	<i>DESCRIPTION</i>	
C1,C2		
C3,C4		
C5,C6		
C7,C8		
D1,D2	temperature of needle 2KT1 - depth 1	
D3,D4	temperature of needle 2KT2 - depth 2	
D5,D6	temperature of needle 2KT3 - depth 3	
D7,D8	sauce temperature (in pan) OM2	
AICJC	temperature in the switchboard	
B2		
B3		