





DRUG SUBSTANCE  
I/O LIST

1	ISSUE FOR CONSTRUCTION CONSIDERING COMMENTS										<div><div></div><div></div></div> <div><div></div><div></div></div>		
0	ISSUE FOR CONSTRUCTION												
B	90% DD ISSUE												
A	30% DD ISSUE												
REV	DESCRIPTION										DOC NR:	CLIENT NR:	
											569-DB7B-AIC-330-003	PRD-AIC-LIS-006	
REVIEW	REV. A	REV. B	REV. 0	REV. 1	REV. 2						CLIENT:		
DATE	10FEB2021	30JUN2021	30SET2021	03FEB2022							TAKEDA / BAXALTA		
EXEC	AAS	AAS	AAS	MAV							PROJECT:		
CHECK	MAF	MAF	MAF	MAF							BURITI EPCVM PROJECT		
APPROV	MAJ	RSP	RSP	RSP							REV.:  1		



TITLE:

DRUG SUBSTANCE  
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DOC NR.:

569-DB7B-AIC-330-003

DOC NR.:

PRD-AIC-LIS-006

SHEET.:

2 / 85

REV.:

1

REVISION 0 NOTES:

- 1- MODIFICATION OF THE POINTS THE VFD FROM FIELD REMOTE IN HVAC SYSTEM
- 2- INSERTION OF THE SIGNALS TO BE AVAILABLE FOR SOFTWARE BY VARYABLE FREQUENCY DRIVE
- 3- INSERTION OF THE SIGNALS TO BE AVAILABLE FOR SOFTWARE BY CIRCUIT BREAK
- 4- INSERTION OF THE SIGNALS TO BE AVAILABLE FOR LOCK SWITCH
- 5- INSERTION OF THE NEW SIGNALS FOR HVAC SYSTEM (UPDATE)
- 6- INSERTION OF THE NEW SIGNALS FOR BLACK UTILITIES SYSTEM (UPDATE)

REVISION 1 NOTES:

- 1- ADDED I/O SIGNALS FOR PRESSURE CONTROL TO THE MIXING BOX OF EACH AHU.
- 2- ADDED ETHERNET COMMUNICATIONS FOR COLD ROOM PACKAGE.



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3 / 85

REV.:

1

NOTES;

1) THE DEVICES HVAC MACHINE SHALL BE CONNECTED IN I / O's OF THE HVAC REMOTE FIELD.

1) OS INSTRUMENTOS DAS MÁQUINAS DE HVAC DEVERÃO SER CONECTADOS NOS I/O's DAS REMOTAS DE CAMPO DE HVAC.

2) THE DEVICE ESCAPE FAN ON THE CEILING MUST BE CONNECTED IN REMOTE FIELD OF ITS RESPECTIVE SYSTEM

2) OS INSTRUMENTOS DOS EXAUSTORES DA COBERTURA DEVERÃO SER CONECTADOS NAS REMOTAS DE CAMPO DO SEU RESPECTIVO SYSTEMA DE HVAC.

3) THE DEVICES HVAC INSTALLED INSIDE ROOMS SHALL BE CONNECTED IN FIELD REMOTE PANEL THAT MEETS THE RESPECTIVE SYSTEM.

3) OS INSTRUMENTOS DE HVAC INSTALADOS DENTRO DAS SALAS DEVERÃO SER CONECTADOS NO PAINEL DA REMOTA DE CAMPO QUE ATENDE O RESPECTIVO SISTEMA.

4) MASTER CONTROL (TYPE STAND ALONE) OH THE COMPRESSORS GENERATION. PACKAGE SUPPLY OTHERS.

4) CONTROLADOR GERENCIADOR (TIPO STAND ALONE) DO SISTEMA DE GERAÇÃO DOS COMPRESSORES DE AR. FORNECIMENTO TERCEIROS

5) SIGNALS TO BE AVAILABLE FOR SOFTWARE BY AIR COMPRESSORS GENARATION SYSTEM MASTER CONTROL PANEL.

5) SINAIS À SEREM DISPONIBILIZADOS VIA SOFTWARE PELO CONTROLADOR GERENCIADOR DO SISTEMA DE GERAÇÃO DOS COMPRESSORES DE AR

6) SIGNALS TO BE AVAILABLE FOR SOFTWARE BY VARYABLE FREQUENCY DRIVE





6) SINAIS À SEREM DISPONIBILIZADOS VIA SOFTWARE PELO INVERSOR DE FREQUENCIA

7) SIGNALS FOR MASTER SWITCH OF THE ELECTRICAL SYSTEM. PACKAGE SUPPLY ELECTRICAL PANELS (OTHERS).

7) SINAIS VIA SWITCH GERENCIADOR DO SISTEMA DE ELÉTRICA. FORNECIMENTO PACOTE DOS PAINÉIS ELETRICOS (TERCEIROS)

8) SIGNALS TO BE AVAILABLE FOR SOFTWARE BY BACNET NETWORK OF THE VAV's.




8) SINAIS DISPONIBILIZADO VIA SOFTWARE ATRAVÉS DA REDE BACNET DAS VAV's.





 			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>4 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
		<b>HVAC SYSTEM</b>											
1	1	XY-AHU-7B-1-01A	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1
2	1	XZSH-AHU-7B-1-01A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1
3	1	XZSL-AHU-7B-1-01A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1
4	1	XY-AHU-7B-1-01B	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1
5	1	XZSH-AHU-7B-1-01B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1
6	1	XZSL-AHU-7B-1-01B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1
7	1	FIT-AHU-7B-1-001	RETURN CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1
8	1	SC-AHU-7B-1-001	RETURN CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	PROFINET
9	1	XA-SC-AHU-7B-111	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6
10	1	XA-SC-AHU-7B-112	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6
11	1	XA-SC-AHU-7B-113	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6
12	1	XA-SC-AHU-7B-114	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6
13	1	XA-SC-AHU-7B-115	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6
14	1	XA-SC-AHU-7B-116	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6
15	1	XA-SC-AHU-7B-117	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6
16	1	XA-SC-AHU-7B-118	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6
17	1	XA-SC-AHU-7B-119	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6
18	1	XY-AHU-7B-1-02A	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1
19	1	XZSH-AHU-7B-1-02A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1
20	1	XZSL-AHU-7B-1-02A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1
21	1	XY-AHU-7B-1-02B	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1
22	1	XZSH-AHU-7B-1-02B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1
23	1	XZSL-AHU-7B-1-02B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1
24	1	XY-AHU-7B-1-03A	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1
25	1	XZSH-AHU-7B-1-03A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1

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									CLIENT NR.: PRD-AIC-LIS-006		REV.: 1			
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES	
											PANEL LAYOUT			
26	1	XZSL-AHU-7B-1-03A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
27	1	XY-AHU-7B-1-03B	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
28	1	XZSH-AHU-7B-1-03B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
29	1	XZSL-AHU-7B-1-03B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
30	1	HC-AHU-7B-1-04A	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
31	1	XZSH-AHU-7B-1-04A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
32	1	XZSL-AHU-7B-1-04A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
33	1	HC-AHU-7B-1-04B	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
34	1	XZSH-AHU-7B-1-04B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
35	1	XZSL-AHU-7B-1-04B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
36	1	MT-AHU-7B-1-001	RETURN HUMIDITY AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
37	1	TT-AHU-7B-1-001	RETURN TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
38	1	PT-AHU-7B-1-001	SUPPLY PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
39	1	PT-AHU-7B-1-002	RETURN PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
40	1	PDIT-AHU-7B-1-001	MIXING BOX DIFFERENTIAL PRESSURE	1	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
41	1	TV-960011	SUPPLY WATER FOR AHU-7B-01 - Ø2"	-	1	-	-	-	-	7B-M-0-5-43	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
42	1	PDS-AHU-7B-1-001	DIFFERENTIAL PRESSURE IN FILTER F9	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
43	1	ZS-AHU-7B-1-001	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
44	1	FIT-AHU-7B-1-002	INSIDE CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	1	
45	1	SC-AHU-7B-1-002	INSIDE CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	PROFINET	
46	1	XA-SC-AHU-7B-121	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6	
47	1	XA-SC-AHU-7B-122	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6	
48	1	XA-SC-AHU-7B-123	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6	
49	1	XA-SC-AHU-7B-124	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6	
50	1	XA-SC-AHU-7B-125	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6	
51	1	XA-SC-AHU-7B-126	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	SW-AHU-7B-1	6	











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											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: 1
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
79	1	TV-9700528	CONTROL VALVE HOTING COIL Ø1"	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	3
80	1	TT-RH-B-2056-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	3
81	1	XY-TUS-B-2056-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	FIELD BUS
82	1	FT-TUS-B-2056-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	8
83													
84	1	TV-9700530	CONTROL VALVE HOTING COIL Ø1"	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	3
85	1	TT-RH-B-2056-2	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	3
86	1	XY-TUS-B-2056-2	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	FIELD BUS
87	1	FT-TUS-B-2056-2	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	8
88													
89	1	TV-9700460	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	3
90	1	TT-RH-B-2029-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	3
91	1	XY-TUS-B-2029-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	FIELD BUS
92	1	FT-TUS-B-2029-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	8
93													
94	1	TV-9600XX-1	CONTROL VALVE HOTING COIL Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-XX	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	3
95	1	TT-RH-B-2058-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	3
96	1	XY-TUS-B-2058-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	FIELD BUS
97	1	FT-TUS-B-2058-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-21	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	8
98													
99	1	XA-RFD-B3001-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	
100	1	XA-RFD-B3001-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	
101	1	XA-RFD-B3001-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	
102	1	XA-RFD-B3001-02A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	
103	1	XA-RFD-B3001-02B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	
104	1	XA-RFD-B3001-02C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	
105	1	XA-RFD-B3001-03A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	
106	1	XA-RFD-B3001-03B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1	




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											CLIENT NR.: PRD-AIC-LIS-006		REV.: 1	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES	
											PANEL LAYOUT			
107	1	XA-RFD-B3001-03C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1		
108	1	XS-RFD-B3001-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1		
109	1	XS-RFD-B3001-02A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1		
110	1	XS-RFD-B3001-03A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-15) 7B-I-0-3-08	RM-AHU-7B-1		
111														
112														
113			TOTAL RM-AHU-7B-1	16	9	35	11	1	3					
114														
115			SYSTEM RM-AHU-7B-1	AI	AO	DI	DO	PS	NETWORK POINTS					
116			SUB TOTAL SYSTEM AHU-7B-1	16	9	35	11	1	3					
117														
118	1	XY-AHU-7B-2-01A	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
119	1	XZSH-AHU-7B-2-01A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
120	1	XZSL-AHU-7B-2-01A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
121	1	XY-AHU-7B-2-01B	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
122	1	XZSH-AHU-7B-2-01B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
123	1	XZSL-AHU-7B-2-01B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
124	1	FIT-AHU-7B-2-001	RETURN CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
125	1	SC-AHU-7B-2-001	RETURN CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	PROFINET	
126	1	XA-SC-AHU-7B-211	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6	
127	1	XA-SC-AHU-7B-212	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6	
128	1	XA-SC-AHU-7B-213	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6	
129	1	XA-SC-AHU-7B-214	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6	
130	1	XA-SC-AHU-7B-215	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6	
131	1	XA-SC-AHU-7B-216	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6	
132	1	XA-SC-AHU-7B-217	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6	
133	1	XA-SC-AHU-7B-218	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6	



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											CLIENT NR.: <div>PRD-AIC-LIS-006</div>		REV.: <div>1</div>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES	
											PANEL LAYOUT			
134	1	XA-SC-AHU-7B-219	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6	
135	1	XY-AHU-7B-2-02A	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
136	1	XZSH-AHU-7B-2-02A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
137	1	XZSL-AHU-7B-2-02A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
138	1	XY-AHU-7B-2-02B	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
139	1	XZSH-AHU-7B-2-02B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
140	1	XZSL-AHU-7B-2-02B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
141	1	XY-AHU-7B-2-03A	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
142	1	XZSH-AHU-7B-2-03A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
143	1	XZSL-AHU-7B-2-03A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
144	1	XY-AHU-7B-2-03B	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
145	1	XZSH-AHU-7B-2-03B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
146	1	XZSL-AHU-7B-2-03B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
147	1	HC-AHU-7B-2-04A	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
148	1	XZSH-AHU-7B-2-04A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
149	1	XZSL-AHU-7B-2-04A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
150	1	HC-AHU-7B-2-04B	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
151	1	XZSH-AHU-7B-2-04B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
152	1	XZSL-AHU-7B-2-04B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
153	1	MT-AHU-7B-2-001	RETURN HUMIDITY AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
154	1	TT-AHU-7B-2-001	RETURN TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
155	1	PT-AHU-7B-2-001	SUPPLY PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
156	1	PT-AHU-7B-2-002	RETURN PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
157	1	PDIT-AHU-7B-2-001	MIXING BOX DIFFERENTIAL PRESSURE	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
158	1	TV-960012	SUPPLY WATER FOR AHU-7B-02 - Ø4"	-	1	-	-	-	-	7B-M-0-5-43	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	
159	1	PDS-AHU-7B-2-001	DIFFERENTIAL PRESSURE IN FILTER F7	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1	




			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 10 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
160	1	PDS-AHU-7B-2-002	DIFFERENTIAL PRESSURE IN FILTER G4	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1
161	1	ZS-AHU-7B-2-001	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1
162	1	FIT-AHU-7B-2-002	INSIDE CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1
163	1	SC-AHU-7B-2-002	INSIDE CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	PROFINET
164	1	XA-SC-AHU-7B-221	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
165	1	XA-SC-AHU-7B-222	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
166	1	XA-SC-AHU-7B-223	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
167	1	XA-SC-AHU-7B-224	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
168	1	XA-SC-AHU-7B-225	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
169	1	XA-SC-AHU-7B-226	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
170	1	XA-SC-AHU-7B-227	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
171	1	XA-SC-AHU-7B-228	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
172	1	XA-SC-AHU-7B-229	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
173	1	TT-960012	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1
174	1	XY-AHU-7B-2-05A	SUPLLY AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1
175	1	XZSH-AHU-7B-2-05A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1
176	1	XZSL-AHU-7B-2-05A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1
177	1	XY-AHU-7B-2-05B	SUPLLY AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1
178	1	XZSH-AHU-7B-2-05B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1
179	1	XZSL-AHU-7B-2-05B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1
180	1	MT-AHU-7B-2-002	SUPPLY HUMIDITY AIR IN THE DUCKT	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1
181	1	TT-AHU-7B-2-002	SUPPLY TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1
182	1	AS-AHU-7B-2-001	SMOKE INDICATION IN THE INSITE DUCT	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	1
183	1	HS-SC-7B-2-001	LOCK SWITCH VFD AHU	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	DRY CONTACT
184	1	HS-SC-7B-2-002	LOCK SWITCH VFD AHU	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	DRY CONTACT
185	1	HS-EF-7B-2-02A	LOCK SWITCH EXHAUST AIR	-	-	1	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	DRY CONTACT

			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 11 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: 1
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
186													
187	1	TV-9700128	CONTROL VALVE HOTING COIL Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-46	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
188	1	TT-RH-B-1023-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
189	1	XY-RAV-B-1023-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
190	1	PDT-RAV-B-1023-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
191	1	XY-SAV-B-1023-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
192													
193	1	TV-RH-B-1023-2	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
194	1	TT-RH-B-1023-2	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
195	1	XY-RAV-B-1023-2	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
196	1	PDT-RAV-B-1023-2	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
197	1	XY-SAV-B-1023-2	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
198													
199	1	TV-9700130	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-46	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
200	1	TT-RH-B-1024-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
201	1	XY-RAV-B-1024-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
202	1	PDT-RAV-B-1024-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
203	1	XY-SAV-B-1024-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
204													
205	1	TV-9700132	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-46	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
206	1	TT-RH-B-1025-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
207	1	XY-RAV-B-1025-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
208	1	PDT-RAV-B-1025-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
209	1	XY-SAV-B-1025-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
210													
211	1	TV-970048	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
212	1	TT-RH-B-2015-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
213	1	XY-RAV-B-2015-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS

			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 12 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
214	1	PDT-RAV-B-2015-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
215	1	XY-SAV-B-2015-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
216													
217	1	TV-970094	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
218	1	TT-RH-B-2021-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
219	1	XY-RAV-B-2021-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
220	1	PDT-RAV-B-2021-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
221	1	XY-SAV-B-2021-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
222													
223	1	TV-9700478	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
224	1	TT-RH-B-2057-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
225	1	XY-SAV-B-2057-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
226	1	XY-EAV-B-2057-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
227													
228	1	TV-970034	CONTROL VALVE HOTING COIL Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
229	1	TT-RH-B-2028-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
230	1	XY-RAV-B-2028-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
231	1	PDT-RAV-B-2028-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
232	1	XY-SAV-B-2028-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
233													
234	1	TV-9700549	CONTROL VALVE HOTING COIL Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
235	1	TT-RH-B-2028-2	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
236	1	XY-RAV-B-2028-2	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
237	1	PDT-RAV-B-2028-2	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
238	1	XY-SAV-B-2028-2	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
239													
240	1	TV-9700102	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
241	1	TT-RH-B-2030-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3






			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 13 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: 1
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
242	1	XY-RAV-B-2030-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
243	1	PDT-RAV-B-2030-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
244	1	XY-SAV-B-2030-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
245													
246	1	TV-9700104	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
247	1	TT-RH-B-2031-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
248	1	XY-RAV-B-2031-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
249	1	PDT-RAV-B-2031-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
250	1	XY-SAV-B-2031-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
251													
252	1	TV-970030	CONTROL VALVE HOTING COIL Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
253	1	TT-RH-B-2037-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
254	1	XY-RAV-B-2037-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
255	1	PDT-RAV-B-2037-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
256	1	XY-SAV-B-2037-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
257													
258	1	TV-9700440	CONTROL VALVE HOTING COIL Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
259	1	TT-RH-B-2037-2	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
260	1	XY-RAV-B-2037-2	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
261	1	PDT-RAV-B-2037-2	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
262	1	XY-SAV-B-2037-2	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
263													
264	1	TV-9700106	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
265	1	TT-RH-B-2050-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
266	1	XY-RAV-B-2050-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
267	1	PDT-RAV-B-2050-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
268	1	XY-SAV-B-2050-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
269													
270	1	TV-9700110	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3

			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 14 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: 1
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
271	1	TT-RH-B-2053-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
272	1	XY-RAV-B-2053-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
273	1	PDT-RAV-B-2053-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
274	1	XY-SAV-B-2053-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
275													
276	1	TV-9700114	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
277	1	TT-RH-B-2027-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
278	1	XY-RAV-B-2027-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
279	1	PDT-RAV-B-2027-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	3
280	1	XY-SAV-B-2027-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
281	1	XY-SAV-B-2059-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	FIELD BUS
282													
283	1	FIT-EF-7B-2A	EXHAUST AIR	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	
284	1	SC-EF-7B-2A	EXHAUST AIR	-	-	-	-	-	1	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	PROFINET
285	1	XA-SC-EF-7B-21A	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
286	1	XA-SC-EF-7B-22A	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
287	1	XA-SC-EF-7B-23A	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
288	1	XA-SC-EF-7B-24A	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
289	1	XA-SC-EF-7B-25A	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
290	1	XA-SC-EF-7B-26A	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
291	1	XA-SC-EF-7B-27A	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
292	1	XA-SC-EF-7B-28A	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
293	1	XA-SC-EF-7B-29A	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	SW-AHU-7B-2	6
294	1	MT-EF-7B-21A	RETURN HUMIDITY AIR IN THE DUCKT	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	
295	1	TT-EF-7B-21A	RETURN TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-22	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	
296													
297	1	XA-RFD-B2028-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-16) 7B-I-0-3-08	RM-AHU-7B-2	









			 			TITLE: DRUG SUBSTANCE I/O LIST					DOC NR.: 569-DB7B-AIC-330-003		SHEET.: 16 / 85
											CLIENT NR.: PRD-AIC-LIS-006		REV.: 1
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
324			TOTAL RM-AHU-7B-2	44	19	45	14	1	5				
325													
326			SYSTEM RM-AHU-7B-2	AI	AO	DI	DO	PS	NETWORK POINTS				
327			SUB TOTAL SYSTEM AHU-7B-2	44	19	45	14	1	5				
328													
329	1	XY-AHU-7B-3-01A	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1
330	1	XZSH-AHU-7B-3-01A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1
331	1	XZSL-AHU-7B-3-01A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1
332	1	XY-AHU-7B-3-01B	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1
333	1	XZSH-AHU-7B-3-01B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1
334	1	XZSL-AHU-7B-3-01B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1
335	1	FIT-AHU-7B-3-001	RETURN CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1
336	1	SC-AHU-7B-3-001	RETURN CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	PROFINET
337	1	XA-SC-AHU-7B-311	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
338	1	XA-SC-AHU-7B-312	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
339	1	XA-SC-AHU-7B-313	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
340	1	XA-SC-AHU-7B-314	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
341	1	XA-SC-AHU-7B-315	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
342	1	XA-SC-AHU-7B-316	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
343	1	XA-SC-AHU-7B-317	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
344	1	XA-SC-AHU-7B-318	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
345	1	XA-SC-AHU-7B-319	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
346	1	XY-AHU-7B-3-02A	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1
347	1	XZSH-AHU-7B-3-02A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1
348	1	XZSL-AHU-7B-3-02A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1
349	1	XY-AHU-7B-3-02B	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1
350	1	XZSH-AHU-7B-3-02B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1

<div><div><div><div></div><div>TESSLER</div><div>Engenharia</div></div><div><div>ips</div></div></div></div>			<div><div><div><div></div><div>Takeda</div></div><div><div></div><div>Hemobrás</div><div><small>Empresa Brasileira de Hemoderivação e Biotecnologia</small></div></div></div></div>	TITLE: DRUG SUBSTANCE I/O LIST							DOC NR.: 569-DB7B-AIC-330-003		SHEET.: 17 / 85	
										CLIENT NR.: PRD-AIC-LIS-006		REV.: 1		
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES	
											PANEL LAYOUT			
351	1	XZSL-AHU-7B-3-02B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
352	1	XY-AHU-7B-3-03A	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
353	1	XZSH-AHU-7B-3-03A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
354	1	XZSL-AHU-7B-3-03A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
355	1	XY-AHU-7B-3-03B	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
356	1	XZSH-AHU-7B-3-03B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
357	1	XZSL-AHU-7B-3-03B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
358	1	HC-AHU-7B-3-04A	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
359	1	XZSH-AHU-7B-3-04A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
360	1	XZSL-AHU-7B-3-04A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
361	1	HC-AHU-7B-3-04B	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
362	1	XZSH-AHU-7B-3-04B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
363	1	XZSL-AHU-7B-3-04B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
364	1	MT-AHU-7B-3-001	RETURN HUMIDITY AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
365	1	TT-AHU-7B-3-001	RETURN TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
366	1	PT-AHU-7B-3-001	SUPPLY PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
367	1	PT-AHU-7B-3-002	RETURN PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
368	1	PDIT-AHU-7B-3-001	MIXING BOX DIFFERENTIAL PRESSURE	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
369	1	TV-960013	SUPPLY WATER FOR AHU-7B-03 - Ø3"	-	1	-	-	-	-	7B-M-0-5-43	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
370	1	PDS-AHU-7B-3-001	DIFFERENTIAL PRESSURE IN FILTER F9	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
371	1	ZS-AHU-7B-3-001	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
372	1	FIT-AHU-7B-3-002	INSIDE CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	1	
373	1	SC-AHU-7B-3-002	INSIDE CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	PROFINET	
374	1	XA-SC-AHU-7B-321	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6	
375	1	XA-SC-AHU-7B-322	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6	
376	1	XA-SC-AHU-7B-323	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6	














 			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 19 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
404	1	TV-970080	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3
405	1	TT-RH-B-2033-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3
406	1	XY-RAV-B-2033-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS
407	1	PDT-RAV-B-2033-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3
408	1	XY-SAV-B-2033-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS
409													
410	1	TV-970082	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3
411	1	TT-RH-B-2034-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3
412	1	XY-RAV-B-2034-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS
413	1	PDT-RAV-B-2034-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3
414	1	XY-SAV-B-2034-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS
415													
416	1	TV-970008	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3
417	1	TT-RH-B-2035-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3
418	1	XY-RAV-B-2035-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS
419	1	PDT-RAV-B-2035-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3
420	1	XY-SAV-B-2035-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS
421													
422	1	TV-970028	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3
423	1	TT-RH-B-2036-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3
424	1	XY-RAV-B-2036-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS
425	1	PDT-RAV-B-2036-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3
426	1	XY-SAV-B-2036-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS
427													
428	1	TV-970086	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3
429	1	TT-RH-B-2054-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3
430	1	XY-RAV-B-2054-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS
431	1	PDT-RAV-B-2054-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3




<div><div><div><div></div><div>TESSLER</div><div>Engenharia</div></div><div><div>ips</div></div></div></div>			<div><div><div><div></div><div>Takeda</div></div><div><div></div><div>Hemobrás</div><div><small>Empresa Brasileira de Hemoderivação e Biotecnologia</small></div></div></div></div>	TITLE:  DRUG SUBSTANCE I/O LIST							DOC NR.:  569-DB7B-AIC-330-003		SHEET.:  20 / 85	
										CLIENT NR.:  PRD-AIC-LIS-006		REV.:  1		
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES	
											PANEL LAYOUT			
432	1	XY-SAV-B-2054-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS	
433														
434	1	TV-970084	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3	
435	1	TT-RH-B-2048-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3	
436	1	XY-RAV-B-2048-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS	
437	1	PDT-RAV-B-2048-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3	
438	1	XY-SAV-B-2048-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS	
439														
440	1	TV-9700438	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3	
441	1	TT-RH-B-2048-2	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3	
442	1	XY-RAV-B-2048-2	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS	
443	1	PDT-RAV-B-2048-2	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3	
444	1	XY-SAV-B-2048-2	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS	
445														
446	1	TV-9700434	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3	
447	1	TT-RH-B-2048-3	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3	
448	1	XY-SAV-B-2048-3	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS	
449														
450	1	TV-9700436	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3	
451	1	TT-RH-B-2048-4	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3	
452	1	XY-SAV-B-2048-4	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS	
453														
454	1	TV-9700432	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3	
455	1	TT-RH-B-2048-5	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	3	
456	1	XY-SAV-B-2048-5	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	FIELD BUS	
457														
458	1	FIT-EF-7B-3A	EXHAUST AIR	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	2	
459	1	SC-EF-7B-3A	EXHAUST AIR	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	PROFINET	
460	1	XA-SC-EF-7B-31A	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6	



			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 21 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
461	1	XA-SC-EF-7B-32A	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
462	1	XA-SC-EF-7B-33A	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
463	1	XA-SC-EF-7B-34A	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
464	1	XA-SC-EF-7B-35A	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
465	1	XA-SC-EF-7B-36A	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
466	1	XA-SC-EF-7B-37A	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
467	1	XA-SC-EF-7B-38A	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
468	1	XA-SC-EF-7B-39A	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
469	1	FIT-EF-7B-3B	EXHAUST AIR	1	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	2
470	1	SC-EF-7B-3B	EXHAUST AIR	-	-	-	-	-	1	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	PROFINET
471	1	XA-SC-EF-7B-31B	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
472	1	XA-SC-EF-7B-32B	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
473	1	XA-SC-EF-7B-33B	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
474	1	XA-SC-EF-7B-34B	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
475	1	XA-SC-EF-7B-35B	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
476	1	XA-SC-EF-7B-36B	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
477	1	XA-SC-EF-7B-37B	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
478	1	XA-SC-EF-7B-38B	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
479	1	XA-SC-EF-7B-39B	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-23	(7B-I-0-3-17) 7B-I-0-3-08	SW-AHU-7B-3	6
480													
481	1	XA-RFD-B3001-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	
482	1	XA-RFD-B3001-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	
483	1	XA-RFD-B3001-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	
484	1	XA-RFD-B3001-02A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	
485	1	XA-RFD-B3001-02B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	
486	1	XA-RFD-B3001-02C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	




			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 22 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
487	1	XA-RFD-B3001-03A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	
488	1	XA-RFD-B3001-03B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	
489	1	XA-RFD-B3001-03C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	
490	1	XS-RFD-B3001-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	
491	1	XS-RFD-B3001-02A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	
492	1	XS-RFD-B3001-03A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	
493	1	ETH-CRU-7B-4	COLD ROOM B2049	-	-	-	-	-	1	7B-M-0-5-30	(7B-I-0-3-17) 7B-I-0-3-08	RM-AHU-7B-3	ETHERNET
494													
495			TOTAL RM-AHU-7B-3	30	14	37	11	1	6				
496													
497			SYSTEM RM-AHU-7B-3	AI	AO	DI	DO	PS	NETWORK POINTS				
498			SUB TOTAL SYSTEM AHU-7B-3	30	14	37	11	1	6				
499													
500	1	XY-AHU-7B-4-01A	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
501	1	XZSH-AHU-7B-4-01A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
502	1	XZSL-AHU-7B-4-001A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
503	1	XY-AHU-7B-4-01B	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
504	1	XZSH-AHU-7B-4-01B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
505	1	XZSL-AHU-7B-4-001B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
506	1	FIT-AHU-7B-4-001	RETURN CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
507	1	SC-AHU-7B-4-001	RETURN CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	PROFINET
508	1	XA-SC-AHU-7B-411	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
509	1	XA-SC-AHU-7B-412	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
510	1	XA-SC-AHU-7B-413	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
511	1	XA-SC-AHU-7B-414	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
512	1	XA-SC-AHU-7B-415	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
513	1	XA-SC-AHU-7B-416	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6

			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 23 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: 1
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
514	1	XA-SC-AHU-7B-417	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
515	1	XA-SC-AHU-7B-418	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
516	1	XA-SC-AHU-7B-419	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
517	1	XY-AHU-7B-4-02A	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
518	1	XZSH-AHU-7B-4-02A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
519	1	XZSL-AHU-7B-4-02A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
520	1	XY-AHU-7B-4-02B	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
521	1	XZSH-AHU-7B-4-02B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
522	1	XZSL-AHU-7B-4-02B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
523	1	XY-AHU-7B-4-03A	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
524	1	XZSH-AHU-7B-4-03A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
525	1	XZSL-AHU-7B-4-03A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
526	1	XY-AHU-7B-4-03B	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
527	1	XZSH-AHU-7B-4-03B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
528	1	XZSL-AHU-7B-4-03B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
529	1	HC-AHU-7B-4-04A	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
530	1	XZSH-AHU-7B-4-04A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
531	1	XZSL-AHU-7B-4-04A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
532	1	HC-AHU-7B-4-04B	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
533	1	XZSH-AHU-7B-4-04B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
534	1	XZSL-AHU-7B-4-04B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
535	1	MT-AHU-7B-4-001	RETURN HUMIDITY AIR IN THE DUCKT	1	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
536	1	TT-AHU-7B-4-001	RETURN TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
537	1	PT-AHU-7B-4-001	SUPPLY PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
538	1	PT-AHU-7B-4-002	RETURN PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
539	1	PDIT-AHU-7B-4-001	MIXING BOX DIFFERENTIAL PRESSURE	1	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1




			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 24 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
540	1	TV-960014	SUPPLY WATER FOR AHU-7B-04 - Ø2.1/2"	-	1	-	-	-	-	7B-M-0-5-43	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
541	1	PDS-AHU-7B-4-001	DIFFERENTIAL PRESSURE IN FILTER F9	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
542	1	PDS-AHU-7B-4-002	DIFFERENTIAL PRESSURE IN FILTER H13	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
543	1	ZS-AHU-7B-4-001	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
544	1	FIT-AHU-7B-4-002	INSIDE CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
545	1	SC-AHU-7B-4-002	INSIDE CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	PROFINET
546	1	XA-SC-AHU-7B-421	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
547	1	XA-SC-AHU-7B-422	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
548	1	XA-SC-AHU-7B-423	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
549	1	XA-SC-AHU-7B-424	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
550	1	XA-SC-AHU-7B-425	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
551	1	XA-SC-AHU-7B-426	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
552	1	XA-SC-AHU-7B-427	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
553	1	XA-SC-AHU-7B-428	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
554	1	XA-SC-AHU-7B-429	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	SW-AHU-7B-4	6
555	1	TT-960014	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
556	1	ZS-AHU-7B-4-002	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
557	1	XY-AHU-7B-4-05A	SUPLLY AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
558	1	XZSH-AHU-7B-4-05A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
559	1	XZSL-AHU-7B-4-05A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
560	1	XY-AHU-7B-4-05B	SUPLLY AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
561	1	XZSH-AHU-7B-4-05B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
562	1	XZSL-AHU-7B-4-05B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
563	1	MT-AHU-7B-4-002	SUPPLY HUMIDITY AIR IN THE DUCKT	1	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
564	1	TT-AHU-7B-4-002	SUPPLY TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1
565	1	AS-AHU-7B-4-001	SMOKE INDICATION IN THE INSITE DUCT	-	-	1	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	1






[illegible]





			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>26 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: <b>1</b>
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
595	1	TV-970070	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	3
596	1	TT-RH-B-2045-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	3
597	1	XY-RAV-B-2045-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	FIELD BUS
598	1	PDT-RAV-B-2045-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	3
599	1	XY-SAV-B-2045-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-24	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	FIELD BUS
600													
601	1	XA-RFD-B3001-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	
602	1	XA-RFD-B3001-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	
603	1	XA-RFD-B3001-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	
604	1	XA-RFD-B3001-02A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	
605	1	XA-RFD-B3001-02B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	
606	1	XA-RFD-B3001-02C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	
607	1	XA-RFD-B3001-03A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	
608	1	XA-RFD-B3001-03B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	
609	1	XA-RFD-B3001-03C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	
610	1	XS-RFD-B3001-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	
611	1	XS-RFD-B3001-02A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	
612	1	XS-RFD-B3001-03A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-18) 7B-I-0-3-08	RM-AHU-7B-4	
613													
614													
615			TOTAL RM-AHU-7B-4	20	9	36	11	1	3				
616													
617			SYSTEM RM-AHU-7B-4	AI	AO	DI	DO	PS	NETWORK POINTS				
618			SUB TOTAL SYSTEM AHU-7B-4	20	9	36	11	1	3				
619													
620	1	XY-AHU-7B-5-01A	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
621	1	XZSH-AHU-7B-5-01A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1



			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 27 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
622	1	XZSL-AHU-7B-5-01A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
623	1	XY-AHU-7B-5-01B	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
624	1	XZSH-AHU-7B-5-01B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
625	1	XZSL-AHU-7B-5-01B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
626	1	FIT-AHU-7B-5-001	RETURN CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
627	1	SC-AHU-7B-5-001	RETURN CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	PROFINET
628	1	XA-SC-AHU-7B-511	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
629	1	XA-SC-AHU-7B-512	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
630	1	XA-SC-AHU-7B-513	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
631	1	XA-SC-AHU-7B-514	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
632	1	XA-SC-AHU-7B-515	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
633	1	XA-SC-AHU-7B-516	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
634	1	XA-SC-AHU-7B-517	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
635	1	XA-SC-AHU-7B-518	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
636	1	XA-SC-AHU-7B-519	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
637	1	XY-AHU-7B-5-02A	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
638	1	XZSH-AHU-7B-5-02A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
639	1	XZSL-AHU-7B-5-02A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
640	1	XY-AHU-7B-5-02B	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
641	1	XZSH-AHU-7B-5-02B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
642	1	XZSL-AHU-7B-5-02B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
643	1	XY-AHU-7B-5-03A	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
644	1	XZSH-AHU-7B-5-03A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
645	1	XZSL-AHU-7B-5-03A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
646	1	XY-AHU-7B-5-03B	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
647	1	XZSH-AHU-7B-5-03B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1




			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 28 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
648	1	XZSL-AHU-7B-5-03B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
649	1	HC-AHU-7B-5-04A	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
650	1	XZSH-AHU-7B-5-04A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
651	1	XZSL-AHU-7B-5-04A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
652	1	HC-AHU-7B-5-04B	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
653	1	XZSH-AHU-7B-5-04B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
654	1	XZSL-AHU-7B-5-04B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
655	1	MT-AHU-7B-5-001	RETURN HUMIDITY AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
656	1	TT-AHU-7B-5-001	RETURN TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
657	1	PT-AHU-7B-5-001	SUPPLY PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
658	1	PT-AHU-7B-5-002	RETURN PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
659	1	PDIT-AHU-7B-5-001	MIXING BOX DIFFERENTIAL PRESSURE	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
660	1	TV-960015	SUPPLY WATER FOR AHU-7B-05 - Ø2"	-	1	-	-	-	-	7B-M-0-5-43	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
661	1	PDS-AHU-7B-5-001	DIFFERENTIAL PRESSURE IN FILTER F9	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
662	1	ZS-AHU-7B-5-001	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
663	1	FIT-AHU-7B-5-002	INSIDE CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	1
664	1	SC-AHU-7B-5-002	INSIDE CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	PROFINET
665	1	XA-SC-AHU-7B-521	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
666	1	XA-SC-AHU-7B-522	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
667	1	XA-SC-AHU-7B-523	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
668	1	XA-SC-AHU-7B-524	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
669	1	XA-SC-AHU-7B-525	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
670	1	XA-SC-AHU-7B-526	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
671	1	XA-SC-AHU-7B-527	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
672	1	XA-SC-AHU-7B-528	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6
673	1	XA-SC-AHU-7B-529	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6






 			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 30 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
701	1	TV-970066	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3
702	1	TT-RH-B-2042-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3
703	1	XY-RAV-B-2042-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	FIELD BUS
704	1	PDT-RAV-B-2042-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3
705	1	XY-SAV-B-2042-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	FIELD BUS
706													
707	1	TV-970062	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3
708	1	TT-RH-B-2043-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3
709	1	XY-RAV-B-2043-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	FIELD BUS
710	1	PDT-RAV-B-2043-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3
711	1	XY-SAV-B-2043-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	FIELD BUS
712													
713	1	TV-970072	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3
714	1	TT-RH-B-2047-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3
715	1	XY-RAV-B-2047-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	FIELD BUS
716	1	PDT-RAV-B-2047-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3
717	1	XY-SAV-B-2047-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	FIELD BUS
718													
719	1	TV-970068	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3
720	1	TT-RH-B-2044-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3
721	1	XY-RAV-B-2044-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	FIELD BUS
722	1	PDT-RAV-B-2044-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3
723	1	XY-SAV-B-2044-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	FIELD BUS
724													
725	1	TV-9700470	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3
726	1	TT-RH-B-2044-2	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3
727	1	XY-RAV-B-2044-2	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	FIELD BUS
728	1	PDT-RAV-B-2044-2	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3






<div><div><div><div></div><div>TESSLER</div><div>Engenharia</div></div><div><div><div></div><div>ips</div></div></div></div></div>			<div><div><div><div></div><div>Takeda</div></div><div><div><div></div><div>Hemobrás</div><div><small>Empresa Brasileira de Assistência e Brilho Dental</small></div></div></div></div></div>		TITLE: <div>DRUG SUBSTANCE I/O LIST</div>							DOC NR.: <div>569-DB7B-AIC-330-003</div>		SHEET.: <div>31 / 85</div>	
												CLIENT NR.: <div>PRD-AIC-LIS-006</div>		REV.: <div>1</div>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES		
											PANEL LAYOUT				
729	1	XY-SAV-B-2044-2	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	FIELD BUS		
730															
731	1	TV-970074	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3		
732	1	TT-RH-B-2046-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3		
733	1	XY-RAV-B-2046-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	FIELD BUS		
734	1	PDT-RAV-B-2046-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	3		
735	1	XY-SAV-B-2046-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	FIELD BUS		
736															
737	1	FIT-EF-7B-5A	EXHAUST AIR	1	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	2		
738	1	SC-EF-7B-5A	EXHAUST AIR	-	-	-	-	-	1	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	PROFINET		
739	1	XA-SC-EF-7B-51A	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6		
740	1	XA-SC-EF-7B-52A	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6		
741	1	XA-SC-EF-7B-53A	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6		
742	1	XA-SC-EF-7B-54A	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6		
743	1	XA-SC-EF-7B-55A	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6		
744	1	XA-SC-EF-7B-56A	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6		
745	1	XA-SC-EF-7B-57A	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6		
746	1	XA-SC-EF-7B-58A	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6		
747	1	XA-SC-EF-7B-59A	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-25	(7B-I-0-3-19) 7B-I-0-3-08	SW-AHU-7B-5	6		
748															
749	1	XA-RFD-B3001-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5			
750	1	XA-RFD-B3001-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5			
751	1	XA-RFD-B3001-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5			
752	1	XA-RFD-B3001-02A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5			
753	1	XA-RFD-B3001-02B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5			
754	1	XA-RFD-B3001-02C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5			
755	1	XA-RFD-B3001-03A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5			




			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>32 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: <b>1</b>
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
756	1	XA-RFD-B3001-03B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	
757	1	XA-RFD-B3001-03C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	
758	1	XS-RFD-B3001-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	
759	1	XS-RFD-B3001-02A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	
760	1	XS-RFD-B3001-03A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-19) 7B-I-0-3-08	RM-AHU-7B-5	
761													
762													
763													
764			TOTAL RM-AHU-7B-5	27	11	36	11	1	4				
765													
766			SYSTEM RM-AHU-7B-5	AI	AO	DI	DO	PS	NETWORK POINTS				
767			SUB TOTAL SYSTEM AHU-7B-5	27	11	36	11	1	4				
768													
769	1	XY-AHU-7B-6-01A	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
770	1	XZSH-AHU-7B-6-01A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
771	1	XZSL-AHU-7B-6-01A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
772	1	XY-AHU-7B-6-01B	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
773	1	XZSH-AHU-7B-6-01B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
774	1	XZSL-AHU-7B-6-01B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
775	1	FIT-AHU-7B-6-001	RETURN CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
776	1	SC-AHU-7B-6-001	RETURN CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	PROFINET
777	1	XA-SC-AHU-7B-611	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
778	1	XA-SC-AHU-7B-612	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
779	1	XA-SC-AHU-7B-613	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
780	1	XA-SC-AHU-7B-614	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
781	1	XA-SC-AHU-7B-615	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
782	1	XA-SC-AHU-7B-616	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6






			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>33 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
783	1	XA-SC-AHU-7B-617	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
784	1	XA-SC-AHU-7B-618	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
785	1	XA-SC-AHU-7B-619	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
786	1	XY-AHU-7B-6-02A	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
787	1	XZSH-AHU-7B-6-02A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
788	1	XZSL-AHU-7B-6-02A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
789	1	XY-AHU-7B-6-02B	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
790	1	XZSH-AHU-7B-6-02B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
791	1	XZSL-AHU-7B-6-02B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
792	1	XY-AHU-7B-6-03A	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
793	1	XZSH-AHU-7B-6-03A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
794	1	XZSL-AHU-7B-6-03A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
795	1	XY-AHU-7B-6-03B	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
796	1	XZSH-AHU-7B-6-03B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
797	1	XZSL-AHU-7B-6-03B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
798	1	HC-AHU-7B-6-04A	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
799	1	XZSH-AHU-7B-6-04A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
800	1	XZSL-AHU-7B-6-04A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
801	1	HC-AHU-7B-6-04B	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
802	1	XZSH-AHU-7B-6-04B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
803	1	XZSL-AHU-7B-6-04B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
804	1	MT-AHU-7B-6-001	RETURN HUMIDITY AIR IN THE DUCKT	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
805	1	TT-AHU-7B-6-001	RETURN TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
806	1	PT-AHU-7B-6-001	SUPPLY PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
807	1	PT-AHU-7B-6-002	RETURN PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1
808	1	PDIT-AHU-7B-6-001	MIXING BOX DIFFERENTIAL PRESSURE	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1

<div><div><div><div></div><div>TESSLER</div><div>Engenharia</div></div><div><div>ips</div></div></div></div>			<div><div><div><div></div><div>Takeda</div></div><div><div></div><div>Hemobrás</div><div>Empresa Brasileira de Hemoderivados e Bioconcentrados</div></div></div></div>		TITLE: DRUG SUBSTANCE I/O LIST						DOC NR.: 569-DB7B-AIC-330-003		SHEET.: 34 / 85	
					CLIENT NR.: PRD-AIC-LIS-006						REV.: 1			
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES	
											PANEL LAYOUT			
809	1	TV-960016	SUPPLY WATER FOR AHU-7B-06 - Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-43	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
810	1	PDS-AHU-7B-6-001	DIFFERENTIAL PRESSURE IN FILTER F9	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
811	1	ZS-AHU-7B-6-001	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
812	1	FIT-AHU-7B-6-002	INSIDE CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
813	1	SC-AHU-7B-6-002	INSIDE CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	PROFINET	
814	1	XA-SC-AHU-7B-621	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6	
815	1	XA-SC-AHU-7B-622	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6	
816	1	XA-SC-AHU-7B-623	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6	
817	1	XA-SC-AHU-7B-624	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6	
818	1	XA-SC-AHU-7B-625	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6	
819	1	XA-SC-AHU-7B-626	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6	
820	1	XA-SC-AHU-7B-627	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6	
821	1	XA-SC-AHU-7B-628	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6	
822	1	XA-SC-AHU-7B-629	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6	
823	1	TT-960016	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
824	1	ZS-AHU-7B-6-002	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
825	1	XY-AHU-7B-6-05A	SUPLLY AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
826	1	XZSH-AHU-7B-6-05A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
827	1	XZSL-AHU-7B-6-05A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
828	1	XY-AHU-7B-6-05B	SUPLLY AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
829	1	XZSH-AHU-7B-6-05B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
830	1	XZSL-AHU-7B-6-05B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
831	1	MT-AHU-7B-6-002	SUPPLY HUMIDITY AIR IN THE DUCKT	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
832	1	TT-AHU-7B-6-002	SUPPLY TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
833	1	AS-AHU-7B-6-001	SMOKE INDICATION IN THE INSITE DUCT	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	1	
834	1	HS-SC-7B-6-001	LOCK SWITCH VFD AHU	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	DRY CONTACT	




			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>35 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: <b>1</b>
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
835	1	HS-SC-7B-6-002	LOCK SWITCH VFD AHU	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	DRY CONTACT
836	1	HS-EF-7B-6-06A	LOCK SWITCH EXHAUST AIR	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	DRY CONTACT
837	1	HS-EF-7B-6-06B	LOCK SWITCH EXHAUST AIR	-	-	1	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	DRY CONTACT
838													
839	1	TV-970054	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
840	1	TT-RH-B-2008-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
841	1	XY-RAV-B-2008-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	FIELD BUS
842	1	PDT-RAV-B-2008-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
843	1	XY-SAV-B-2008-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	FIELD BUS
844													
845	1	TV-970052	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
846	1	TT-RH-B-2010-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
847	1	XY-SAV-B-2010-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	FIELD BUS
848	1	XY-EAV-B-2010-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	FIELD BUS
849													
850	1	TV-970042	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
851	1	TT-RH-B-2011-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
852	1	XY-RAV-B-2011-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	FIELD BUS
853	1	PDT-RAV-B-2011-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
854	1	XY-SAV-B-2011-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	FIELD BUS
855													
856	1	TV-970046	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
857	1	TT-RH-B-2012-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
858	1	XY-RAV-B-2012-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	FIELD BUS
859	1	PDT-RAV-B-2012-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
860	1	XY-SAV-B-2012-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	FIELD BUS
861													
862	1	TV-970040	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3

			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>36 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: <b>1</b>
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
863	1	TT-RH-B-2013-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
864	1	XY-RAV-B-2013-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	FIELD BUS
865	1	PDT-RAV-B-2013-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
866	1	XY-SAV-B-2013-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	FIELD BUS
867													
868	1	TV-970044	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
869	1	TT-RH-B-2014-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
870	1	XY-RAV-B-2014-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	FIELD BUS
871	1	PDT-RAV-B-2014-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	3
872	1	XY-SAV-B-2014-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	FIELD BUS
873													
874	1	FIT-EF-7B-6A	EXHAUST AIR	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	2
875	1	SC-EF-7B-6A	EXHAUST AIR	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	PROFINET
876	1	XA-SC-EF-7B-61A	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
877	1	XA-SC-EF-7B-62A	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
878	1	XA-SC-EF-7B-63A	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
879	1	XA-SC-EF-7B-64A	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
880	1	XA-SC-EF-7B-65A	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
881	1	XA-SC-EF-7B-66A	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
882	1	XA-SC-EF-7B-67A	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
883	1	XA-SC-EF-7B-68A	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
884	1	XA-SC-EF-7B-69A	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
885	1	FIT-EF-7B-6B	EXHAUST AIR	1	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	2
886	1	SC-EF-7B-6B	EXHAUST AIR	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	PROFINET
887	1	XA-SC-EF-7B-61B	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
888	1	XA-SC-EF-7B-62B	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
889	1	XA-SC-EF-7B-63B	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6






			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>37 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: <b>1</b>
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
890	1	XA-SC-EF-7B-64B	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
891	1	XA-SC-EF-7B-65B	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
892	1	XA-SC-EF-7B-66B	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
893	1	XA-SC-EF-7B-67B	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
894	1	XA-SC-EF-7B-68B	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
895	1	XA-SC-EF-7B-69B	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	SW-AHU-7B-6	6
896													
897	1	XA-RFD-B3001-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	
898	1	XA-RFD-B3001-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	
899	1	XA-RFD-B3001-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	
900	1	XA-RFD-B3001-02A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	
901	1	XA-RFD-B3001-02B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	
902	1	XA-RFD-B3001-02C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	
903	1	XA-RFD-B3001-03A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	
904	1	XA-RFD-B3001-03B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	
905	1	XA-RFD-B3001-03C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	
906	1	XS-RFD-B3001-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	
907	1	XS-RFD-B3001-02A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	
908	1	XS-RFD-B3001-03A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	
909	1	ETH-CRU-7B-3	COLD ROOM B2007 & B2009	-	-	-	-	-	1	7B-M-0-5-26	(7B-I-0-3-20) 7B-I-0-3-08	RM-AHU-7B-6	ETHERNET
910													
911			TOTAL RM-AHU-7B-6	23	9	37	11	1	6				
912													
913			SYSTEM RM-AHU-7B-6	AI	AO	DI	DO	PS	NETWORK POINTS				
914			SUB TOTAL SYSTEM AHU-7B-6	23	9	37	11	1	6				
915													
916	1	XY-AHU-7B-7-01A	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1






			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>38 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
917	1	XZSH-AHU-7B-7-01A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
918	1	XZSL-AHU-7B-7-01A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
919	1	FIT-AHU-7B-7-001	RETURN CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
920	1	SC-AHU-7B-7-001	RETURN CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	PROFINET
921	1	XA-SC-AHU-7B-711	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6
922	1	XA-SC-AHU-7B-712	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6
923	1	XA-SC-AHU-7B-713	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6
924	1	XA-SC-AHU-7B-714	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6
925	1	XA-SC-AHU-7B-715	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6
926	1	XA-SC-AHU-7B-716	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6
927	1	XA-SC-AHU-7B-717	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6
928	1	XA-SC-AHU-7B-718	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6
929	1	XA-SC-AHU-7B-719	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6
930	1	XY-AHU-7B-7-02A	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
931	1	XZSH-AHU-7B-7-02A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
932	1	XZSL-AHU-7B-7-02A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
933	1	XY-AHU-7B-7-02B	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
934	1	XZSH-AHU-7B-7-02B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
935	1	XZSL-AHU-7B-7-02B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
936	1	XY-AHU-7B-7-03A	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
937	1	XZSH-AHU-7B-7-03A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
938	1	XZSL-AHU-7B-7-03A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
939	1	XY-AHU-7B-7-03B	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
940	1	XZSH-AHU-7B-7-03B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
941	1	XZSL-AHU-7B-7-03B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1
942	1	HC-AHU-7B-7-04A	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1

<div><div><div><div></div><div>TESSLER</div><div>Engenharia</div></div><div><div>ips</div></div></div></div>			<div><div><div><div></div><div>Takeda</div></div><div><div></div><div>Hemobrás</div><div><small>Empresa Brasileira de Hemoderivação e Biotecnologia</small></div></div></div></div>		TITLE: DRUG SUBSTANCE I/O LIST						DOC NR.: 569-DB7B-AIC-330-003		SHEET.: 39 / 85	
									CLIENT NR.: PRD-AIC-LIS-006		REV.: 1			
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES	
											PANEL LAYOUT			
943	1	XZSH-AHU-7B-7-04A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
944	1	XZSL-AHU-7B-7-04A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
945	1	HC-AHU-7B-7-04B	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
946	1	XZSH-AHU-7B-7-04B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
947	1	XZSL-AHU-7B-7-04B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
948	1	MT-AHU-7B-7-001	RETURN HUMIDITY AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
949	1	TT-AHU-7B-7-001	RETURN TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
950	1	PT-AHU-7B-7-001	SUPPLY PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
951	1	PT-AHU-7B-7-002	RETURN PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
952	1	PDIT-AHU-7B-7-001	MIXING BOX DIFFERENTIAL PRESSURE	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
953	1	TV-960017	SUPPLY WATER FOR AHU-7B-07 - Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-43	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
954	1	PDS-AHU-7B-7-001	DIFFERENTIAL PRESSURE IN FILTER F9	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
955	1	ZS-AHU-7B-7-001	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
956	1	FIT-AHU-7B-7-002	INSIDE CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
957	1	SC-AHU-7B-7-002	INSIDE CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	PROFINET	
958	1	XA-SC-AHU-7B-721	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6	
959	1	XA-SC-AHU-7B-722	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6	
960	1	XA-SC-AHU-7B-723	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6	
961	1	XA-SC-AHU-7B-724	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6	
962	1	XA-SC-AHU-7B-725	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6	
963	1	XA-SC-AHU-7B-726	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6	
964	1	XA-SC-AHU-7B-727	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6	
965	1	XA-SC-AHU-7B-728	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6	
966	1	XA-SC-AHU-7B-729	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	SW-AHU-7B-7	6	
967	1	TT-960017	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	
968	1	ZS-AHU-7B-7-002	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1	




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											CLIENT NR.: <div>PRD-AIC-LIS-006</div>		REV.: <div>1</div>		
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES		
											PANEL LAYOUT				
969	1	XY-AHU-7B-7-05A	SUPLLY AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1		
970	1	XZSH-AHU-7B-7-05A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1		
971	1	XZSL-AHU-7B-7-05A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1		
972	1	XY-AHU-7B-7-05B	SUPLLY AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1		
973	1	XZSH-AHU-7B-7-05B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1		
974	1	XZSL-AHU-7B-7-05B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1		
975	1	MT-AHU-7B-7-002	SUPPLY HUMIDITY AIR IN THE DUCKT	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1		
976	1	TT-AHU-7B-7-002	SUPPLY TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1		
977	1	AS-AHU-7B-7-001	SMOKE INDICATION IN THE INSITE DUCT	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	1		
978	1	HS-SC-7B-7-001	LOCK SWITCH VFD AHU	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	DRY CONTACT		
979	1	HS-SC-7B-7-002	LOCK SWITCH VFD AHU	-	-	1	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	DRY CONTACT		
980															
981	1	TV-9700024	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3		
982	1	TT-RH-B-2004-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3		
983	1	XY-RAV-B-2004-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	FIELD BUS		
984	1	PDT-RAV-B-2004-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3		
985	1	XY-SAV-B-2004-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	FIELD BUS		
986															
987	1	TV-970014	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3		
988	1	TT-RH-B-2023-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3		
989	1	XY-RAV-B-2023-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	FIELD BUS		
990	1	PDT-RAV-B-2023-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3		
991	1	XY-SAV-B-2023-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	FIELD BUS		
992															
993	1	TV-970012	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3		
994	1	TT-RH-B-2025-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3		
995	1	XY-RAV-B-2025-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	FIELD BUS		

			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 41 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
996	1	PDT-RAV-B-2025-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3
997	1	XY-SAV-B-2025-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	FIELD BUS
998													
999	1	TV-970018	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3
1000	1	TT-RH-B-2024-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3
1001	1	XY-RAV-B-2024-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	FIELD BUS
1002	1	PDT-RAV-B-2024-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3
1003	1	XY-SAV-B-2024-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	FIELD BUS
1004													
1005	1	TV-970016	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3
1006	1	TT-RH-B-2026-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3
1007	1	XY-RAV-B-2026-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	FIELD BUS
1008	1	PDT-RAV-B-2026-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3
1009	1	XY-SAV-B-2026-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	FIELD BUS
1010													
1011	1	TV-970026	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-47	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3
1012	1	TT-RH-B-2003-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	3
1013	1	XY-SAV-B-2003-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	FIELD BUS
1014													
1015	1	XA-RFD-B3001-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	
1016	1	XA-RFD-B3001-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	
1017	1	XA-RFD-B3001-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	
1018	1	XA-RFD-B3001-02A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	
1019	1	XA-RFD-B3001-02B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	
1020	1	XA-RFD-B3001-02C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	
1021	1	XA-RFD-B3001-03A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	
1022	1	XA-RFD-B3001-03B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	
1023	1	XA-RFD-B3001-03C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	










			 		TITLE:  <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.:  569-DB7B-AIC-330-003		SHEET.: 42 / 85						
																	CLIENT NR.:  PRD-AIC-LIS-006		REV.: 1
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES						
											PANEL LAYOUT								
1024	1	XS-RFD-B3001-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7							
1025	1	XS-RFD-B3001-02A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7							
1026	1	XS-RFD-B3001-03A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7							
1027	1	ETH-CRU-7B-2	COLD ROOM B2005	-	-	-	-	-	1	7B-M-0-5-27	(7B-I-0-3-21) 7B-I-0-3-08	RM-AHU-7B-7	ETHERNET						
1028																			
1029			TOTAL RM-AHU-7B-7	21	9	33	10	1	4										
1030																			
1031			SYSTEM RM-AHU-7B-7	AI	AO	DI	DO	PS	NETWORK POINTS										
1032			SUB TOTAL SYSTEM AHU-7B-7	21	9	33	10	1	4										
1033																			
1034	1	XY-AHU-7B-8-01A	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1						
1035	1	XZSH-AHU-7B-8-01A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1						
1036	1	XZSL-AHU-7B-8-01A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1						
1037	1	XY-AHU-7B-8-01B	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1						
1038	1	XZSH-AHU-7B-8-01B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1						
1039	1	XZSL-AHU-7B-8-01B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1						
1040	1	FIT-AHU-7B-8-001	RETURN CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1						
1041	1	SC-AHU-7B-8-001	RETURN CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	PROFINET						
1042	1	XA-SC-AHU-7B-811	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6						
1043	1	XA-SC-AHU-7B-812	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6						
1044	1	XA-SC-AHU-7B-813	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6						
1045	1	XA-SC-AHU-7B-814	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6						
1046	1	XA-SC-AHU-7B-815	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6						
1047	1	XA-SC-AHU-7B-816	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6						
1048	1	XA-SC-AHU-7B-817	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6						
1049	1	XA-SC-AHU-7B-818	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6						
1050	1	XA-SC-AHU-7B-819	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6						






			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>43 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: <b>1</b>
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1051	1	XY-AHU-7B-8-02A	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1052	1	XZSH-AHU-7B-8-02A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1053	1	XZSL-AHU-7B-8-02A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1054	1	XY-AHU-7B-8-02B	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1055	1	XZSH-AHU-7B-8-02B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1056	1	XZSL-AHU-7B-8-02B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1057	1	XY-AHU-7B-8-03A	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1058	1	XZSH-AHU-7B-8-03A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1059	1	XZSL-AHU-7B-8-03A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1060	1	XY-AHU-7B-8-03B	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1061	1	XZSH-AHU-7B-8-03B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1062	1	XZSL-AHU-7B-8-03B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1063	1	HC-AHU-7B-8-04A	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1064	1	XZSH-AHU-7B-8-04A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1065	1	XZSL-AHU-7B-8-04A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1066	1	HC-AHU-7B-8-04B	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1067	1	XZSH-AHU-7B-8-04B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1068	1	XZSL-AHU-7B-8-04B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1069	1	MT-AHU-7B-8-001	RETURN HUMIDITY AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1070	1	TT-AHU-7B-8-001	RETURN TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1071	1	PT-AHU-7B-8-001	SUPPLY PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1072	1	PT-AHU-7B-8-002	RETURN PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1073	1	PDIT-AHU-7B-8-001	MIXING BOX DIFFERENTIAL PRESSURE	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1074	1	TV-960018	SUPPLY WATER FOR AHU-7B-08 - Ø2"	-	1	-	-	-	-	7B-M-0-5-43	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1075	1	PDS-AHU-7B-8-001	DIFFERENTIAL PRESSURE IN FILTER F9	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1
1076	1	ZS-AHU-7B-8-001	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	1









 			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 45 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: 1
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES
											PANEL LAYOUT		
1103	1	TV-9700116	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1104	1	TT-RH-B-2017-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1105	1	XY-SAV-B-2017-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1106	1	XY-EAV-B-2017-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1107													
1108	1	TV-970096	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1109	1	TT-RH-B-2002-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1110	1	XY-RAV-B-2002-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1111	1	PDT-RAV-B-2002-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1112	1	XY-SAV-B-2002-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1113													
1114	1	TV-9700122	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1115	1	TT-RH-B-2016-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1116	1	XY-RAV-B-2016-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1117	1	PDT-RAV-B-2016-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3




			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 46 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
1118	1	XY-SAV-B-2016-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1119													
1120	1	TV-9700464	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1121	1	TT-RH-B-2016-2	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1122	1	XY-SAV-B-2016-2	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1123													
1124	1	TV-9700120	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1125	1	TT-RH-B-2018-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1126	1	XY-RAV-B-2018-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1127	1	PDT-RAV-B-2018-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1128	1	XY-SAV-B-2018-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1129													
1130	1	TV-9700118	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1131	1	TT-RH-B-2019-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1132	1	XY-RAV-B-2019-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1133	1	PDT-RAV-B-2019-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1134	1	XY-SAV-B-2019-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1135													
1136	1	TV-970092	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1137	1	TT-RH-B-2020-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1138	1	XY-RAV-B-2020-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1139	1	PDT-RAV-B-2020-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1140	1	XY-SAV-B-2020-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1141													
1142	1	TV-970098	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1143	1	TT-RH-B-2001-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1144	1	XY-RAV-B-2001-1	PRESSURE CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1145	1	PDT-RAV-B-2001-1	PRESSURE CONTROL IN ROOM	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3

			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 47 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: 1
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
1146	1	XY-SAV-B-2001-1	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1147													
1148	1	TV-970476	CONTROL VALVE HOTING COIL	-	1	-	-	-	-	7B-M-0-5-48	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1149	1	TT-RH-B-2001-2	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	3
1150	1	XY-SAV-B-2001-2	FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	FIELD BUS
1151													
1152	1	FIT-EF-7B-8A	EXHAUST AIR	1	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	2
1153	1	SC-EF-7B-8A	EXHAUST AIR	-	-	-	-	-	1	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	PROFINET
1154	1	XA-SC-EF-7B-81A	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6
1155	1	XA-SC-EF-7B-82A	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6
1156	1	XA-SC-EF-7B-83A	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6
1157	1	XA-SC-EF-7B-84A	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6
1158	1	XA-SC-EF-7B-85A	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6
1159	1	XA-SC-EF-7B-86A	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6
1160	1	XA-SC-EF-7B-87A	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6
1161	1	XA-SC-EF-7B-88A	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6
1162	1	XA-SC-EF-7B-89A	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-28	(7B-I-0-3-22) 7B-I-0-3-08	SW-AHU-7B-8	6
1163													
1164	1	XA-RFD-B3001-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	
1165	1	XA-RFD-B3001-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	
1166	1	XA-RFD-B3001-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	
1167	1	XA-RFD-B3001-02A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	
1168	1	XA-RFD-B3001-02B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	
1169	1	XA-RFD-B3001-02C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	
1170	1	XA-RFD-B3001-03A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	
1171	1	XA-RFD-B3001-03B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	
1172	1	XA-RFD-B3001-03C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8	






<div><div></div><div></div></div>			TITLE: DRUG SUBSTANCE I/O LIST								DOC NR.: 569-DB7B-AIC-330-003		SHEET.: 48 / 85	
											CLIENT NR.: PRD-AIC-LIS-006		REV.: 1	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES	
											PANEL LAYOUT			
1173	1	XS-RFD-B3001-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8		
1174	1	XS-RFD-B3001-02A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8		
1175	1	XS-RFD-B3001-03A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-22) 7B-I-0-3-08	RM-AHU-7B-8		
1176														
1177														
1178			TOTAL RM-AHU-7B-8	26	12	36	11	1	4					
1179														
1180			SYSTEM RM-AHU-7B-8	AI	AO	DI	DO	PS	NETWORK POINTS					
1181			SUB TOTAL SYSTEM AHU-7B-8	26	12	36	11	1	4					
1182														
1183	1	XY-AHU-7B-9-01A	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1	
1184	1	XZSH-AHU-7B-9-01A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1	
1185	1	XZSL-AHU-7B-9-01A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1	
1186	1	XY-AHU-7B-9-01B	RETURN DAMPER CONTROL AIR FLOW	-	-	-	1	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1	
1187	1	XZSH-AHU-7B-9-01B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1	
1188	1	XZSL-AHU-7B-9-01B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1	
1189	1	FIT-AHU-7B-9-001	RETURN CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1	
1190	1	SC-AHU-7B-9-001	RETURN CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	PROFINET	
1191	1	XA-SC-AHU-7B-911	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6	
1192	1	XA-SC-AHU-7B-912	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6	
1193	1	XA-SC-AHU-7B-913	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6	
1194	1	XA-SC-AHU-7B-914	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6	
1195	1	XA-SC-AHU-7B-915	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6	
1196	1	XA-SC-AHU-7B-916	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6	
1197	1	XA-SC-AHU-7B-917	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6	
1198	1	XA-SC-AHU-7B-918	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6	
1199	1	XA-SC-AHU-7B-919	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6	

			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 49 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1200	1	XY-AHU-7B-9-02A	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1201	1	XZSH-AHU-7B-9-02A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1202	1	XZSL-AHU-7B-9-02A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1203	1	XY-AHU-7B-9-02B	RELIEF AIR OUTSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1204	1	XZSH-AHU-7B-9-02B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1205	1	XZSL-AHU-7B-9-02B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1206	1	XY-AHU-7B-9-03A	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1207	1	XZSH-AHU-7B-9-03A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1208	1	XZSL-AHU-7B-9-03A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1209	1	XY-AHU-7B-9-03B	AIR INSIDE DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1210	1	XZSH-AHU-7B-9-03B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1211	1	XZSL-AHU-7B-9-03B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1212	1	HC-AHU-7B-9-04A	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1213	1	XZSH-AHU-7B-9-04A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1214	1	XZSL-AHU-7B-9-04A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1215	1	HC-AHU-7B-9-04B	MIXING BOX AIR DAMPER CONTROL	-	1	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1216	1	XZSH-AHU-7B-9-04B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1217	1	XZSL-AHU-7B-9-04B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1218	1	MT-AHU-7B-9-001	RETURN HUMIDITY AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1219	1	TT-AHU-7B-9-001	RETURN TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1220	1	PT-AHU-7B-9-001	SUPPLY PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1221	1	PT-AHU-7B-9-002	RETURN PRESSURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1222	1	PDIT-AHU-7B-9-001	MIXING BOX DIFFERENTIAL PRESSURE	1	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1223	1	TV-960019	SUPPLY WATER FOR AHU-7B-09 - Ø2.1/2"	-	1	-	-	-	-	7B-M-0-5-43	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1224	1	PDS-AHU-7B-9-001	DIFFERENTIAL PRESSURE IN FILTER F9	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1225	1	ZS-AHU-7B-9-001	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1




			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 50 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1226	1	FIT-AHU-7B-9-002	INSIDE CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1227	1	SC-AHU-7B-9-002	INSIDE CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	PROFINET
1228	1	XA-SC-AHU-7B-921	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1229	1	XA-SC-AHU-7B-922	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1230	1	XA-SC-AHU-7B-923	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1231	1	XA-SC-AHU-7B-924	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1232	1	XA-SC-AHU-7B-925	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1233	1	XA-SC-AHU-7B-926	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1234	1	XA-SC-AHU-7B-927	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1235	1	XA-SC-AHU-7B-928	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1236	1	XA-SC-AHU-7B-929	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1237	1	TT-960019	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1238	1	ZS-AHU-7B-9-002	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1239	1	XY-AHU-7B-9-05A	SUPLLY AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1240	1	XZSH-AHU-7B-9-05A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1241	1	XZSL-AHU-7B-9-05A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1242	1	XY-AHU-7B-9-05B	SUPLLY AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1243	1	XZSH-AHU-7B-9-05B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1244	1	XZSL-AHU-7B-9-05B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1245	1	MT-AHU-7B-9-002	SUPPLY HUMIDITY AIR IN THE DUCKT	1	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1246	1	TT-AHU-7B-9-002	SUPPLY TEMPERATURE AIR IN THE DUCT	1	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1247	1	AS-AHU-7B-9-001	SMOKE INDICATION IN THE INSITE DUCT	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	1
1248	1	HS-SC-7B-9-001	LOCK SWITCH VFD AHU	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	DRY CONTACT
1249	1	HS-SC-7B-9-002	LOCK SWITCH VFD AHU	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	DRY CONTACT
1250	1	HS-EF-7B-9-09A	LOCK SWITCH EXHAUST AIR	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	DRY CONTACT
1251	1	HS-EF-7B-9-09B	LOCK SWITCH EXHAUST AIR	-	-	1	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	DRY CONTACT














			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 52 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: 1
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
1280	1	XY-TUS-B-1019-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-29A	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	FIELD BUS
1281	1	FT-TUS-B-1019-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-29A	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	8
1282	1	TV-9700466	CONTROL VALVE HOTING COIL Ø3/4"	-	1	-	-	-	-	7B-M-0-5-46	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	3
1283	1	TT-RH-B-1019-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-29A	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	3
1284													
1285	1	XY-TUS-B-1035-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-29A	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	FIELD BUS
1286	1	FT-TUS-B-1035-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-29A	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	8
1287													
1288	1	XY-TUS-B-1038-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-29A	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	FIELD BUS
1289	1	FT-TUS-B-1038-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-29A	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	8
1290	1	TV-9600XX-1	CONTROL VALVE HOTING COIL Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-XX	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	3
1291	1	TT-RH-B-1038-1	CONTROL VALVE HOTING COIL	1	-	-	-	-	-	7B-M-0-5-29A	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	3
1292													
1293	1	XY-TUS-B-1018-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-29A	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	FIELD BUS
1294	1	FT-TUS-B-1018-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-29A	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	8
1295	1	XY-TUS-B-1012-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-29A	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	FIELD BUS
1296	1	FT-TUS-B-1012-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-29A	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	8
1297	1	XY-TUS-B-1036-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-29A	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	FIELD BUS
1298	1	FT-TUS-B-1036-1	AIR FLOW CONTROL IN ROOM	-	-	-	-	-	1	7B-M-0-5-29A	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	8
1299	1	FIT-EF-7B-9A	EXHAUST AIR	1	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	2
1300													
1301	1	SC-EF-7B-9A	EXHAUST AIR	-	-	-	-	-	1	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	PROFINET
1302	1	XA-SC-EF-7B-91A	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1303	1	XA-SC-EF-7B-92A	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1304	1	XA-SC-EF-7B-93A	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1305	1	XA-SC-EF-7B-94A	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1306	1	XA-SC-EF-7B-95A	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1307	1	XA-SC-EF-7B-96A	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6





			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>53 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: <b>1</b>
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
1308	1	XA-SC-EF-7B-97A	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1309	1	XA-SC-EF-7B-98A	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1310	1	XA-SC-EF-7B-99A	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1311	1	FIT-EF-7B-9B	EXHAUST AIR	1	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	2
1312	1	SC-EF-7B-9B	EXHAUST AIR	-	-	-	-	-	1	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	PROFINET
1313	1	XA-SC-EF-7B-91B	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1314	1	XA-SC-EF-7B-92B	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1315	1	XA-SC-EF-7B-93B	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1316	1	XA-SC-EF-7B-94B	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1317	1	XA-SC-EF-7B-95B	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1318	1	XA-SC-EF-7B-96B	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1319	1	XA-SC-EF-7B-97B	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1320	1	XA-SC-EF-7B-98B	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1321	1	XA-SC-EF-7B-99B	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-29	(7B-I-0-3-23) 7B-I-0-3-08	SW-AHU-7B-9	6
1322													
1323	1	XA-RFD-B1010-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1324	1	XA-RFD-B1010-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1325	1	XA-RFD-B1010-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1326	1	XA-RFD-B1036-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1327	1	XA-RFD-B1036-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1328	1	XA-RFD-B1036-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1329	1	XA-RFD-B1036-02A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1330	1	XA-RFD-B1036-02B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1331	1	XA-RFD-B1036-02C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1332	1	XA-RFD-B1013-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1333	1	XA-RFD-B1013-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	

			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>54 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: <b>1</b>
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
1334	1	XA-RFD-B1013-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1335	1	XA-RFD-B1013-02A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1336	1	XA-RFD-B1013-02B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1337	1	XA-RFD-B1013-02C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1338	1	XA-RFD-B1013-03A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1339	1	XA-RFD-B1013-03B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1340	1	XA-RFD-B1013-03C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1341	1	XA-RFD-B1013-04A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1342	1	XA-RFD-B1013-04B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1343	1	XA-RFD-B1013-04C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1344	1	XA-RFD-B1013-05A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1345	1	XA-RFD-B1013-05B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1346	1	XA-RFD-B1013-05C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1347	1	XA-RFD-B1018-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1348	1	XA-RFD-B1018-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1349	1	XA-RFD-B1018-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1350	1	XA-RFD-B1018-02A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1351	1	XA-RFD-B1018-02B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1352	1	XA-RFD-B1018-02C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1353	1	XA-RFD-B1018-03A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1354	1	XA-RFD-B1018-03B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1355	1	XA-RFD-B1018-03C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1356	1	XA-RFD-B1018-04A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1357	1	XA-RFD-B1018-04B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1358	1	XA-RFD-B1018-04C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1359	1	XA-RFD-B1021-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	

			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 55 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1360	1	XA-RFD-B1021-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1361	1	XA-RFD-B1021-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1362	1	XA-RFD-B1030-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1363	1	XA-RFD-B1030-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1364	1	XA-RFD-B1030-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1365	1	XA-RFD-B1030-02A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1366	1	XA-RFD-B1030-02B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1367	1	XA-RFD-B1030-02C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1368	1	XA-RFD-B1030-03A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1369	1	XA-RFD-B1030-03B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1370	1	XA-RFD-B1030-03C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1371	1	XA-RFD-B1044-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1372	1	XA-RFD-B1044-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1373	1	XA-RFD-B1044-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1374	1	XA-RFD-B1044-02A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1375	1	XA-RFD-B1044-02B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1376	1	XA-RFD-B1044-02C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1377	1	XA-RFD-B1031-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1378	1	XA-RFD-B1031-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1379	1	XA-RFD-B1031-01C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1380	1	XA-RFD-B1031-02A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1381	1	XA-RFD-B1031-02B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1382	1	XA-RFD-B1031-02C	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1383	1	XS-RFD-B1010-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1384	1	XS-RFD-B1036-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1385	1	XS-RFD-B1036-02A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	




			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>56 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: <b>1</b>
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1386	1	XS-RFD-B1013-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1387	1	XS-RFD-B1013-02A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1388	1	XS-RFD-B1013-03A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1389	1	XS-RFD-B1013-04A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1390	1	XS-RFD-B1013-05A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1391	1	XS-RFD-B1018-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1392	1	XS-RFD-B1018-02A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1393	1	XS-RFD-B1018-03A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1394	1	XS-RFD-B1018-04A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1395	1	XS-RFD-B1021-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1396	1	XS-RFD-B1030-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1397	1	XS-RFD-B1030-02A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1398	1	XS-RFD-B1030-03A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1399	1	XS-RFD-B1044-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1400	1	XS-RFD-B1044-02A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1401	1	XS-RFD-B1031-01A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1402	1	XS-RFD-B1031-02A	RECTANGULAR FIRE DAMPER	-	-	-	1	-	-	-	(7B-I-0-3-23) 7B-I-0-3-08	RM-AHU-7B-9	
1403													
1404													
1405													
1406			TOTAL RM-AHU-7B-9	16	7	88	28	1	5				
1407													
1408			SYSTEM RM-AHU-7B-9	AI	AO	DI	DO	PS	NETWORK POINTS				
1409			SUB TOTAL SYSTEM AHU-7B-9	16	7	88	28	1	5				
1410													
1411	1	XY-DOAS-7B-01A	EXTERNAL AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1412	1	XZSH-DOAS-7B-01A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1









			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>57 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1413	1	XZSL-DOAS-7B-01A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1414	1	XY-DOAS-7B-01B	EXTERNAL AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1415	1	XZSH-DOAS-7B-01B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1416	1	XZSL-DOAS-7B-01B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1417	1	XY-DOAS-7B-02A	BYPASS AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1418	1	XZSH-DOAS-7B-02A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1419	1	XZSL-DOAS-7B-02A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1420	1	XY-DOAS-7B-02B	BYPASS AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1421	1	XZSH-DOAS-7B-02B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1422	1	XZSL-DOAS-7B-02B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1423	1	ZS-DOAS-7B-001	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1424	1	XY-DOAS-7B-03A	BYPASS AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1425	1	XZSH-DOAS-7B-03A	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1426	1	XZSL-DOAS-7B-03A	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1427	1	XY-DOAS-7B-03B	BYPASS AIR DAMPER CONTROL	-	-	-	1	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1428	1	XZSH-DOAS-7B-03B	OPEN DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1429	1	XZSL-DOAS-7B-03B	CLOSED DAMPER SWITCH	-	-	1	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1430	1	ZS-DOAS-7B-001	TURN OFF IN OPENING DOOR	-	-	1	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1431	1	FIT-DOAS-7B-002	INSIDE CENTRIFUGAL FAN	1	-	-	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	RM-DOAS-7B-1	1
1432	1	SC-DOAS-7B-002	INSIDE CENTRIFUGAL FAN	-	-	-	-	-	1	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	SW-DOAS-7B-1	PROFINET
1433	1	XA-SC-DOAS-7B-221	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	SW-DOAS-7B-1	6
1434	1	XA-SC-DOAS-7B-222	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	SW-DOAS-7B-1	6
1435	1	XA-SC-DOAS-7B-223	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	SW-DOAS-7B-1	6
1436	1	XA-SC-DOAS-7B-224	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	SW-DOAS-7B-1	6
1437	1	XA-SC-DOAS-7B-225	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	SW-DOAS-7B-1	6
1438	1	XA-SC-DOAS-7B-226	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-31	(7B-I-0-3-26) 7B-I-0-3-08	SW-DOAS-7B-1	6








			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>59 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: <b>1</b>
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
1465													
1466			TOTAL RM-DOAS-7B-1	5	3	20	6	1	2				
1467													
1468			SYSTEM RM-DOAS-7B-1	AI	AO	DI	DO	PS	NETWORK POINTS				
1469			SUB TOTAL SYSTEM DOAS-7B-1	5	3	20	6	1	2				
1470													
1471	1	TT-9600271	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1472	1	TV-9600271	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-58	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1473	1	XS-FCU-B1014-001	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1474	1	XA-FCU-B1014-001	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1475	1	TT-9600273	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1476	1	TV-9600273	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-57	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1477	1	XS-FCU-B1014-002	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1478	1	XA-FCU-B1014-002	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1479													
1480	1	TT-9600293	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1481	1	TV-9600293	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-57	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1482	1	XS-FCU-B1015-001	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1483	1	XA-FCU-B1015-001	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1484	1	TT-9600295	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1485	1	TV-9600295	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-57	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1486	1	XS-FCU-B1015-002	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1487	1	XA-FCU-B1015-002	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1488	1	TT-9600297	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1489	1	TV-9600297	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-57	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1490	1	XS-FCU-B1015-003	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1491	1	XA-FCU-B1015-003	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1

			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 60 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1492													
1493	1	TT-9600263	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1494	1	TV-9600263	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-58	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1495	1	XS-FCU-B1029-001	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1496	1	XA-FCU-B1029-001	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1497													
1498	1	TT-960021	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1499	1	TV-960021	CONTROL VALVE COOLING COIL - Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-58	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1500	1	XS-FCU-B1031-001	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1501	1	XA-FCU-B1031-001	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1502	1	TT-9600175	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1503	1	TV-9600175	CONTROL VALVE COOLING COIL - Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-58	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1504	1	XS-FCU-B1031-002	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1505	1	XA-FCU-B1031-002	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1506	1	TT-9600179	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1507	1	TV-9600179	CONTROL VALVE COOLING COIL - Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1508	1	XS-FCU-B1031-003	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1509	1	XA-FCU-B1031-003	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1510	1	TT-9600181	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1511	1	TV-9600181	CONTROL VALVE COOLING COIL - Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1512	1	XS-FCU-B1031-004	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1513	1	XA-FCU-B1031-004	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1514													
1515	1	TT-9600253	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1516	1	TV-9600253	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-55	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1517	1	XS-FCU-B1032-001	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1

			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 61 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: 1
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1518	1	XA-FCU-B1032-001	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1519	1	TT-9600255	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1520	1	TV-9600255	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-55	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1521	1	XS-FCU-B1032-002	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1522	1	XA-FCU-B1032-002	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1523	1	TT-9600257	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1524	1	TV-9600257	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-55	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1525	1	XS-FCU-B1032-003	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1526	1	XA-FCU-B1032-003	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1527													
1528	1	TT-9600265	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1529	1	TV-9600265	CONTROL VALVE COOLING COIL - Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-58	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1530	1	XS-FCU-B1033-001	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1531	1	XA-FCU-B1033-001	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1532	1	TT-9600267	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1533	1	TV-9600267	CONTROL VALVE COOLING COIL - Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-58	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1534	1	XS-FCU-B1033-002	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1535	1	XA-FCU-B1033-002	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1536													
1537	1	TT-9600261	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1538	1	TV-9600261	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-56	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1539	1	XS-FCU-B1043-001	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1540	1	XA-FCU-B1043-001	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1541	1	TT-9600287	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1542	1	TV-9600287	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-56	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1543	1	XS-FCU-B1034-001	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1




			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 62 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: <b>1</b>
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES
											PANEL LAYOUT		
1544	1	XA-FCU-B1034-001	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1545													
1546	1	TT-FCU-B3010-001	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1547	1	TV-FCU-B3010-001	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1548	1	XS-FCU-B3010-001	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1
1549	1	XA-FCU-B3010-001	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1






<div><div><div><div></div><div>TESSLER</div><div>Engenharia</div></div><div><div>ips</div></div></div></div>			<div><div><div><div></div><div>Takeda</div></div><div><div></div><div>Hemobrás</div><div>Empresa Brasileira de Hemoderivação e Biotecnologia</div></div></div></div>		TITLE: <div>DRUG SUBSTANCE I/O LIST</div>						DOC NR.: <div>569-DB7B-AIC-330-003</div>		SHEET.: <div>63 / 85</div>	
											CLIENT NR.: <div>PRD-AIC-LIS-006</div>		REV.: <div>1</div>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES	
											PANEL LAYOUT			
1550	1	TT-FCU-B3010-002	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1551	1	TV-FCU-B3010-002	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1552	1	XS-FCU-B3010-002	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1553	1	XA-FCU-B3010-002	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1554														
1555	1	TT-9600281	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1556	1	TV-9600281	CONTROL VALVE COOLING COIL - Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-55	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1557	1	XS-FCU-B3011-001	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1558	1	XA-FCU-B3011-001	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1559	1	TT-9600283	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1560	1	TV-9600283	CONTROL VALVE COOLING COIL - Ø1.1/2"	-	1	-	-	-	-	7B-M-0-5-55	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1561	1	XS-FCU-B3011-002	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1562	1	XA-FCU-B3011-002	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-32	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1563														
1564	1	TT-9600275	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-57	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1565	1	TV-9600275	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-57	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1566	1	XS-FCU-B1014-003	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-57	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1567	1	XA-FCU-B1014-003	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-57	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1568														
1569	1	TT-9600277	TEMPERATURE AIR SUPPLY	1	-	-	-	-	-	7B-M-0-5-57	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1570	1	TV-9600277	CONTROL VALVE COOLING COIL - Ø1"	-	1	-	-	-	-	7B-M-0-5-57	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1571	1	XS-FCU-B1014-004	COMMAND EQUIPMENT (TURN ON / TURN OFF)	-	-	-	1	-	-	7B-M-0-5-57	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1572	1	XA-FCU-B1014-004	STATUS EQUIPMENT (ON / OFF)	-	-	1	-	-	-	7B-M-0-5-57	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1	1	
1573														
1574	1	XA-RFD-B1033-01A	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1		
1575	1	XA-RFD-B1033-01B	RECTANGULAR FIRE DAMPER	-	-	1	-	-	-	-	(7B-I-0-3-24) 7B-I-0-3-08	RM-FCU-7B-1		

[illegible]




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										CLIENT NR.: PRD-AIC-LIS-006		REV.: 1		
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES	
											PANEL LAYOUT			
1600														
1601			SYSTEM TOTAL RM-FCU-7B-1	AI	AO	DI	DO	PS	NETWORK POINTS					
1602			SUB TOTAL SYSTEM TOTAL RM-FCU-7B-1	23	23	23	23	1	0					
1603														
1604														
1605			HVAC SYSTEM	AI	AO	DI	DO	PS	NETWORK POINTS					
1606			GENERAL TOTAL HVAC SYSTEM	251	125	426	147	11	42					
1607														
1608		BLACK UTILITIES												
1609	1	FIT-610050	INDUSTRIAL WATER DISTRIBUTION SYSTEM	1	-	-	-	-	-	7B-M-0-5-41	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1		
1610	1	FIT-940035	INDUSTRIAL WATER - MAKE-UP	1	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1		
1611	1	PIT-940009	COOLING WATER - GLYCOL GENERATION	1	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1		
1612	1	PIT-940010	COOLING WATER - GLYCOL GENERATION	1	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1		
1613	1	SC-940001	COOLING TOWER CT-7B-1	-	-	-	-	-	1	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	PROFINET	
1614	1	XA-SC-940001.1	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6	
1615	1	XA-SC-940001.2	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6	
1616	1	XA-SC-940001.3	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6	
1617	1	XA-SC-940001.4	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6	
1618	1	XA-SC-940001.5	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6	
1619	1	XA-SC-940001.6	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6	
1620	1	XA-SC-940001.7	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6	
1621	1	XA-SC-940001.8	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6	
1622	1	XA-SC-940001.9	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6	
1623	1	HS-SC-940001.1	LOCK SWITCH VFD PUMP	-	-	1	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	DRY CONTACT	
1624	1	SC-940007	PUMP PC-7B-2	-	-	-	-	-	1	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	PROFINET	
1625	1	XA-SC-940007.1	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6	
1626	1	XA-SC-940007.2	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6	




			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>66 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1627	1	XA-SC-940007.3	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1628	1	XA-SC-940007.4	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1629	1	XA-SC-940007.5	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1630	1	XA-SC-940007.6	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1631	1	XA-SC-940007.7	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1632	1	XA-SC-940007.8	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1633	1	XA-SC-940007.9	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1634	1	HS-SC-940007.1	LOCK SWITCH VFD PUMP	-	-	1	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	DRY CONTACT
1635	1	SC-940002	COOLING TOWER CT-7B-2	-	-	-	-	-	1	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	PROFINET
1636	1	XA-SC-940002.1	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1637	1	XA-SC-940002.2	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1638	1	XA-SC-940002.3	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1639	1	XA-SC-940002.4	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1640	1	XA-SC-940002.5	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1641	1	XA-SC-940002.6	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1642	1	XA-SC-940002.7	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1643	1	XA-SC-940002.8	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1644	1	XA-SC-940002.9	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1645	1	HS-SC-940002.1	LOCK SWITCH VFD PUMP	-	-	1	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	DRY CONTACT
1646	1	SC-940005	PUMP PC-7B-1	-	-	-	-	-	1	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	PROFINET
1647	1	XA-SC-940005.1	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1648	1	XA-SC-940005.2	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1649	1	XA-SC-940005.3	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1650	1	XA-SC-940005.4	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1651	1	XA-SC-940005.5	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1652	1	XA-SC-940005.6	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6









			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 67 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1653	1	XA-SC-940005.7	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1654	1	XA-SC-940005.8	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1655	1	XA-SC-940005.9	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1656	1	HS-SC-940005.1	LOCK SWITCH VFD PUMP	-	-	1	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	DRY CONTACT
1657	1	TIT-940009	COOLING WATER - GLYCOL GENERATION	1	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1658	1	TIT-940010	COOLING WATER - GLYCOL GENERATION	1	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1659	1	FIT-940009	COOLING WATER - GLYCOL GENERATION	1	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1660	1	FIT-940023	COOLING WATER - COMPRESSED AIR GENERATION	1	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1661	1	FIT-940015	COOLING WATER - BIO-KILL SYSTEM	1	-	-	-	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1662	1	XY-940031	CT-7B-1 WATER DRAIN - Ø1"	-	-	-	1	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1663	1	XY-940033	CT-7B-2 WATER DRAIN - Ø1"	-	-	-	1	-	-	7B-M-0-5-42	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1664	1	PDIT-96008	WATER SUPPLY AND RETURN BUILD 7B	1	-	-	-	-	-	7B-M-0-5-43	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1665	1	FIT-980014	COOLING WATER - COOLING TOWERS PCH-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1666	1	FIT-980016	COOLING WATER - COOLING TOWERS PCH-7B-2	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1667	1	FIT-980021	DISTRIBUTION SYSTEM - CHILLED GLYCOL FOR BT-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1668	1	FIT-980029	GLYCOL FOR PCH-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1669	1	FIT-980030	GLYCOL FOR PCH-7B-2	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1670	1	LIT-980005A	BUFFER TANK	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1671	1	LIT-980005B	BUFFER TANK	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1672	1	PIT-980013	COOLING WATER - COOLING TOWERS PCH-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1673	1	PIT-980014	COOLING WATER - COOLING TOWERS PCH-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1674	1	PIT-980015	COOLING WATER - COOLING TOWERS PCH-7B-2	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1675	1	PIT-980016	COOLING WATER - COOLING TOWERS PCH-7B-2	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1676	1	PIT-980021	DISTRIBUTION SYSTEM - CHILLED GLYCOL FOR BT-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1677	1	PIT-980029	GLYCOL FOR PCH-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1678	1	PIT-980030	GLYCOL FOR PCH-7B-2	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	






			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>68 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1679	1	PIT-980001	GLYCOL DO PCH-7B-1 FOR BT-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1680	1	PIT-980002	GLYCOL DO PCH-7B-2 FOR BT-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1681	1	SC-980025	CENTRIFUGAL PUMP P-PCH-7B-1	-	-	-	-	-	1	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	PROFINET
1682	1	XA-SC-980025.1	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1683	1	XA-SC-980025.2	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1684	1	XA-SC-980025.3	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1685	1	XA-SC-980025.4	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1686	1	XA-SC-980025.5	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1687	1	XA-SC-980025.6	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1688	1	XA-SC-980025.7	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1689	1	XA-SC-980025.8	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1690	1	XA-SC-980025.9	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1691	1	HS-SC-980025.1	LOCK SWITCH VFD PUMP	-	-	1	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	DRY CONTACT
1692	1	SC-980023	CENTRIFUGAL PUMP P-PCH-7B-2	-	-	-	-	-	1	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	PROFINET
1693	1	XA-SC-980023.1	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1694	1	XA-SC-980023.2	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1695	1	XA-SC-980023.3	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1696	1	XA-SC-980023.4	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1697	1	XA-SC-980023.5	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1698	1	XA-SC-980023.6	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1699	1	XA-SC-980023.7	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1700	1	XA-SC-980023.8	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1701	1	XA-SC-980023.9	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1702	1	HS-SC-980023.1	LOCK SWITCH VFD PUMP	-	-	1	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	DRY CONTACT
1703	1	TIT-980013	COOLING WATER - COOLING TOWERS PCH-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1704	1	TIT-980014	COOLING WATER - COOLING TOWERS PCH-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	

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											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1705	1	TIT-980015	COOLING WATER - COOLING TOWERSPCH-7B-2	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1706	1	TIT-980016	COOLING WATER - COOLING TOWERS PCH-7B-2	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1707	1	TIT-980021	DISTRIBUTION SYSTEM - CHILLED GLYCOL FOR BT-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1708	1	TIT-980022	GLYCOL DO BT-7B-1 FOR CHILLED PCH-7B-1 / 2	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1709	1	TIT-980029	GLYCOL FOR PCH-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1710	1	TIT-980030	GLYCOL FOR PCH-7B-2	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1711	1	TIT-980001	GLYCOL DO PCH-7B-1 FOR BT-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1712	1	TIT-980002	GLYCOL DO PCH-7B-2 FOR BT-7B-1	1	-	-	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1713	1	XY-980014	COOLING WATER - COOLING TOWERS PCH-7B-1 - Ø8"	-	-	-	1	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1714	1	XZSH-980014	COOLING WATER - COOLING TOWERS PCH-7B-1 - Ø8"	-	-	1	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1715	1	XZSL-980014	COOLING WATER - COOLING TOWERS PCH-7B-1 - Ø8"	-	-	1	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1716	1	XY-980016	COOLING WATER - COOLING TOWERS PCH-7B-2 - Ø8"	-	-	-	1	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1717	1	XZSH-980016	COOLING WATER - COOLING TOWERS PCH-7B-2 - Ø8"	-	-	1	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1718	1	XZSL-980016	COOLING WATER - COOLING TOWERS PCH-7B-2 - Ø8"	-	-	1	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1719	1	XY-980001	GLYCOL DO PCH-7B-1 FOR BT-7B-1 - Ø6"	-	-	-	1	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1720	1	XZSH-980001	GLYCOL DO PCH-7B-1 FOR BT-7B-1 - Ø6"	-	-	1	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1721	1	XZSL-980001	GLYCOL DO PCH-7B-1 FOR BT-7B-1 - Ø6"	-	-	1	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1722	1	XY-980002	GLYCOL DO PCH-7B-1 FOR BT-7B-1 - Ø6"	-	-	-	1	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1723	1	XZSH-980002	GLYCOL DO PCH-7B-1 FOR BT-7B-1 - Ø6"	-	-	1	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1724	1	XZSL-980002	GLYCOL DO PCH-7B-1 FOR BT-7B-1 - Ø6"	-	-	1	-	-	-	7B-M-0-5-44	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1725	1	FIT-980005	CHILLED GLYCOL - GENERATION SYSTEM FRON P-PCH-7B-3 E P-PCH-7B-4	1	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1726	1	PIT-980005	CHILLED GLYCOL - GENERATION SYSTEM FRON P-PCH-7B-3 E P-PCH-7B-4	1	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08		
1727	1	SC-980006	CENTRIFUGAL PUMP P-PCH-7B-3	-	-	-	-	-	1	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	PROFINET
1728	1	XA-SC-980006.1	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1729	1	XA-SC-980006.2	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1730	1	XA-SC-980006.3	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6

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											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1731	1	XA-SC-980006.4	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1732	1	XA-SC-980006.5	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1733	1	XA-SC-980006.6	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1734	1	XA-SC-980006.7	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1735	1	XA-SC-980006.8	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1736	1	XA-SC-980006.9	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1737	1	HS-SC-980006.1	LOCK SWITCH VFD PUMP	-	-	1	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	DRY CONTACT
1738	1	SC-980008	CENTRIFUGAL PUMP P-PCH-7B-4	-	-	-	-	-	1	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	PROFINET
1739	1	XA-SC-980008.1	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1740	1	XA-SC-980008.2	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1741	1	XA-SC-980008.3	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1742	1	XA-SC-980008.4	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1743	1	XA-SC-980008.5	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1744	1	XA-SC-980008.6	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1745	1	XA-SC-980008.7	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1746	1	XA-SC-980008.8	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1747	1	XA-SC-980008.9	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1748	1	HS-SC-980008.1	LOCK SWITCH VFD PUMP	-	-	1	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	DRY CONTACT
1749	1	TIT-980005	CHILLED GLYCOL - GENERATION SYSTEM FRON P-PCH-7B-3 E P-PCH-7B-4	1	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1750	1	PIT-980005	CHILLED GLYCOL - GENERATION SYSTEM FRON P-PCH-7B-3 E P-PCH-7B-4	1	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1751	1	PDIT-980010	CHILLED WATER - ALIMENTATION AND RETURN	1	-	-	-	-	-	7B-M-0-5-45	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1752	1	PIT-970002	RE-HEATED WATER RETURN	1	-	-	-	-	-	7B-M-0-5-46	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1753	1	TIT-970002-1	RE-HEATED WATER RETURN	1	-	-	-	-	-	7B-M-0-5-46	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1754	1	FIT-070001	EXCHANGER WATER OUTLET HX-7B-2	1	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1755	1	FIT-070002	INDUSTRIAL WATER MAKE-UP / CHILLED WATER FRON P-PCH-7B-5/6	1	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1756	1	FIT-070065	CHILLED WATER LOOP 1. DISTRIBUTION FRON	1	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	




			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>71 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1757	1	LSHL-070060	LEVEL SWITCH HIGH / LOW FOR TK-7B-2	-	-	1	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1758	1	TI-970002	RE-HEATED WATER RETURN							7B-M-0-5-46			
1759	1	LV-070060	INDUSTRIAL WATER FOR TK-7B-2 - MAKE-UP	-	-	-	1	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1760	1	PDIT-070001	INDUSTRIAL WATER DISTRIBUTION SYSTEM	1	-	-	-	-	-	7B-M-0-5-53	-		
1761	1	PIT-070001	EXCHANGER WATER OUTLET HX-7B-2	1	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1762	1	PIT-070002	INDUSTRIAL WATER MAKE-UP / CHILLED WATER FRON P-PCH-7B-5/6	1	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1763	1	PIT-070065	CHILLED WATER LOOP 1. DISTRIBUTION FRON	1	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1764	1	PIT-070066	CHILLED WATER LOOP 1. DISTRIBUTION FRON	1	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1765	1	PDIT-070001	EXCHANGER WATER OUTLET HX-7B-2 FRON CHILLED WATER LOOP1 RETURN	1	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1766	1	SC-070002	CENTRIFUGAL PUMP P-PCH-7B-5	-	-	-	-	-	1	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	PROFINET
1767	1	XA-SC-070002.1	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1768	1	XA-SC-070002.2	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1769	1	XA-SC-070002.3	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1770	1	XA-SC-070002.4	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1771	1	XA-SC-070002.5	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1772	1	XA-SC-070002.6	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1773	1	XA-SC-070002.7	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1774	1	XA-SC-070002.8	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1775	1	XA-SC-070002.9	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1776	1	HS-SC-070002.1	LOCK SWITCH VFD PUMP	-	-	1	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	DRY CONTACT
1777	1	SC-070004	CENTRIFUGAL PUMP P-PCH-7B-6	-	-	-	-	-	1	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	PROFINET
1778	1	XA-SC-070004.1	STATUS VFD (ON-OFF)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1779	1	XA-SC-070004.2	FAULT VFD OVER CURRENT (ALARM)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1780	1	XA-SC-070004.3	FAULT VFD ROTOR LOCKED (ALARM)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1781	1	XA-SC-070004.4	FAULT VFD SUB VOLTAGE (ALARM)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1782	1	XA-SC-070004.5	FAULT VFD NO PHASE (ALARM)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6










			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 72 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: 1
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1783	1	XA-SC-070004.6	FAULT VFD GROUND FAILURE (ALARM)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1784	1	XA-SC-070004.7	FAULT VFD FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1785	1	XA-SC-070004.8	FAULT VFD CURRENT MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1786	1	XA-SC-070004.9	FAULT VFD SPEED MOTOR (FACEPLATE)	-	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	SW-B3012-1	6
1787	1	HS-SC-070004.1	LOCK SWITCH VFD PUMP	-	-	1	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	DRY CONTACT
1788	1	TIT-070001	EXCHANGER WATER OUTLET HX-7B-2	1	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1789	1	TIT-070002	INDUSTRIAL WATER MAKE-UP / CHILLED WATER FRON P-PCH-7B-5/6	1	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1790	1	TIT-070003	INDUSTRIAL WATER DOWNSTREAM P-PCH-7B-5	1	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1791	1	TIT-070065	CHILLED WATER LOOP 1. DISTRIBUTION FRON	1	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1792	1	TV-070001	CHILLED WATER LOOP 1, RETURN	-	1	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1793	1	TIT-070066	EXCHANGER WATER OUTLET HX-7B-2 FRON CHILLED WATER LOOP1 RETURN	1	-	-	-	-	-	7B-M-0-5-53	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1794	1	PIT-790104	PLANT STEAM DISTRIBUTION	1	-	-	-	-	-	7B-M-0-5-61	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1795	1	PIT-790327	PLANT STEAM DISTRIBUTION	1	-	-	-	-	-	7B-M-0-5-61	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1796	1	TT-790327	PLANT STEAM DISTRIBUTION	1	-	-	-	-	-	7B-M-0-5-61	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1797													
1798	1	PDIT-970137	RE-HEATED WATER SUPPLY / RETURN 7A	1	-	-	-	-	-	7B-M-0-5-49	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1799	1	FIT-790319	PLANT STEAM DISTRIBUTION - 7B	1	-	-	-	-	-	7B-M-0-5-61	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1800	1	PIT-790212	PLANT STEAM DISTRIBUTION	1	-	-	-	-	-	7B-M-0-5-61	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1801	1	PIT-790319	PLANT STEAM DISTRIBUTION - 7B	1	-	-	-	-	-	7B-M-0-5-61	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1802	1	PIT-790321	PLANT STEAM DISTRIBUTION	1	-	-	-	-	-	7B-M-0-5-61	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1803	1	TT-790319	PLANT STEAM DISTRIBUTION - 7B	1	-	-	-	-	-	7B-M-0-5-61	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1804	1	TT-790321	PLANT STEAM DISTRIBUTION	1	-	-	-	-	-	7B-M-0-5-61	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	
1805													
1806													
1807		SIGNAL FOR SOFTWARE											
1808	1	MAIN PANEL CONTROL	COMPRESSED AIR GENERATION SYSTEM	-	-	-	-	-	1	7B-M-0-5-81	-	SW-B1031-1	4



[illegible]




			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: <b>74 / 85</b>
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
1835													
1836			BLACK UTILITIES SYSTEM	AI	AO	DI	DO	PS	NETWORK POINTS				
1837			GENERAL TOTAL BLACK UTILITIES SYSTEM	67	1	19	7	2	11				
1838													
1839		ELECTRICAL SYSTEM											
1840	1	TA-7B-13-NA-TR-0-001	HIGHT TEMPERATURE IN TRAFO (13,8/380V)	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	RELAY PROTECTION
1841	1	TA-7B-13-NB-TR-0-001	HIGHT TEMPERATURE IN TRAFO (13,8/380V)	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	RELAY PROTECTION
1842	1	TA-7B-3-NA-TR-0-001	HIGHT TEMPERATURE IN TRAFO (380/220V)	1	-	-	-	-	-	7B-E-0-5-01	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	TEMP. TRANSM.
1843	1	TA-7B-3-E-TR-0-001	HIGHT TEMPERATURE IN TRAFO (380/220V)	1	-	-	-	-	-	7B-E-0-5-01	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	TEMP. TRANSM.
1844	1	TA-7B-3-E-TR-0-002	HIGHT TEMPERATURE IN TRAFO (380/400V)	1	-	-	-	-	-	7B-E-0-5-01	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	TEMP. TRANSM.
1845	1	TA-7B-3-E-TR-0-003	HIGHT TEMPERATURE IN TRAFO (380/400V)	1	-	-	-	-	-	7B-E-0-5-01	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	TEMP. TRANSM.
1846													
1847	1	7B-QGBT-QA0.4	CIRCUIT BREAK QA0.4	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	7
1848	1	XA-7B-QGBT-QA04-1	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1849	1	XA-7B-QGBT-QA04-2	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1850	1	XA-7B-QGBT-QA04-3	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1851	1	XA-7B-QGBT-QA04-4	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1852	1	XA-7B-QGBT-QA04-5	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1853	1	XA-7B-QGBT-QA04-6	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1854													
1855	1	7B-QGBT-QA0.10	CIRCUIT BREAK QA0.10	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	7
1856	1	XA-7B-QGBT-QA010-1	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1857	1	XA-7B-QGBT-QA010-2	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1858	1	XA-7B-QGBT-QA010-3	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1859	1	XA-7B-QGBT-QA010-4	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1860	1	XA-7B-QGBT-QA010-5	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1861	1	XA-7B-QGBT-QA010-6	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850




 			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 75 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1862													
1863	1	7B-QGBT-QA0.11	CIRCUIT BREAK QA0.11	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	7
1864	1	XA-7B-QGBT-QA011-1	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1865	1	XA-7B-QGBT-QA011-2	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1866	1	XA-7B-QGBT-QA011-3	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1867	1	XA-7B-QGBT-QA011-4	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1868	1	XA-7B-QGBT-QA011-5	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1869	1	XA-7B-QGBT-QA011-6	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1870													
1871	1	7B-QGBT-QA0.9	CIRCUIT BREAK QA0.9	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	7
1872	1	XA-7B-QGBT-QA09-1	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1873	1	XA-7B-QGBT-QA09-2	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1874	1	XA-7B-QGBT-QA09-3	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1875	1	XA-7B-QGBT-QA09-4	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1876	1	XA-7B-QGBT-QA09-5	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1877	1	XA-7B-QGBT-QA09-6	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1878													
1879	1	7B-QGBT-QA0.12	CIRCUIT BREAK QA0.12	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	7
1880	1	XA-7B-QGBT-QA012-1	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1881	1	XA-7B-QGBT-QA012-2	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1882	1	XA-7B-QGBT-QA012-3	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1883	1	XA-7B-QGBT-QA012-4	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1884	1	XA-7B-QGBT-QA012-5	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1885	1	XA-7B-QGBT-QA012-6	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1886													
1887	1	7B-QGBT-QA0.7	CIRCUIT BREAK QA0.7	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	7
1888	1	XA-7B-QGBT-QA07-1	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850





			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 76 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1889	1	<b>XA-7B-QGBT-QA07-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1890	1	<b>XA-7B-QGBT-QA07-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1891	1	<b>XA-7B-QGBT-QA07-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1892	1	<b>XA-7B-QGBT-QA07-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1893	1	<b>XA-7B-QGBT-QA07-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1894													
1895	1	<b>7B-QGBT-QA0.2</b>	CIRCUIT BREAK QA0.2	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	7
1896	1	<b>XA-7B-QGBT-QA02-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1897	1	<b>XA-7B-QGBT-QA02-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1898	1	<b>XA-7B-QGBT-QA02-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1899	1	<b>XA-7B-QGBT-QA02-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1900	1	<b>XA-7B-QGBT-QA02-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1901	1	<b>XA-7B-QGBT-QA02-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1902													
1903	1	<b>7B-QGBT-QA0.3</b>	CIRCUIT BREAK QA0.3	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	7
1904	1	<b>XA-7B-QGBT-QA03-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1905	1	<b>XA-7B-QGBT-QA03-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1906	1	<b>XA-7B-QGBT-QA03-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1907	1	<b>XA-7B-QGBT-QA03-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1908	1	<b>XA-7B-QGBT-QA03-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1909	1	<b>XA-7B-QGBT-QA03-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1910													
1911	1	<b>7B-QGBT-QA0.5</b>	CIRCUIT BREAK QA0.5	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	7
1912	1	<b>XA-7B-QGBT-QA05-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1913	1	<b>XA-7B-QGBT-QA05-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1914	1	<b>XA-7B-QGBT-QA05-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1915	1	<b>XA-7B-QGBT-QA05-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850





[illegible]






			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 78 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1943	1	7B-QGBT-QB0.100	CIRCUIT BREAK QB0.100	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	7
1944	1	<b>XA-7B-QGBT-QB0100-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1945	1	<b>XA-7B-QGBT-QB0100-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1946	1	<b>XA-7B-QGBT-QB0100-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1947	1	<b>XA-7B-QGBT-QB0100-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1948	1	<b>XA-7B-QGBT-QB0100-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1949	1	<b>XA-7B-QGBT-QB0100-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1950													
1951	1	7B-QGBT-QB0.50	CIRCUIT BREAK QB0.50	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	7
1952	1	<b>XA-7B-QGBT-QB050-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1953	1	<b>XA-7B-QGBT-QB050-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1954	1	<b>XA-7B-QGBT-QB050-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1955	1	<b>XA-7B-QGBT-QB050-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1956	1	<b>XA-7B-QGBT-QB050-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1957	1	<b>XA-7B-QGBT-QB050-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1958													
1959	1	7B-QGBT-QB0.12	CIRCUIT BREAK QB0.12	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	7
1960	1	<b>XA-7B-QGBT-QB012-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1961	1	<b>XA-7B-QGBT-QB012-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1962	1	<b>XA-7B-QGBT-QB012-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1963	1	<b>XA-7B-QGBT-QB012-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1964	1	<b>XA-7B-QGBT-QB012-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1965	1	<b>XA-7B-QGBT-QB012-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
1966													
1967	1	7B-QGBT-QBE.TIE	CIRCUIT BREAK QBE.TIE	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	7
1968	1	<b>XA-7B-QGBT-QBETIE-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1969	1	<b>XA-7B-QGBT-QBETIE-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850





			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 79 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
1970	1	<b>XA-7B-QGBT-QBETIE-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1971	1	<b>XA-7B-QGBT-QBETIE-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1972	1	<b>XA-7B-QGBT-QBETIE-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1973	1	<b>XA-7B-QGBT-QBETIE-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1974													
1975	1	<b>7B-QGBT-QE0.4</b>	CIRCUIT BREAK QE0.4	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	7
1976	1	<b>XA-7B-QGBT-QE04-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1977	1	<b>XA-7B-QGBT-QE04-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1978	1	<b>XA-7B-QGBT-QE04-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1979	1	<b>XA-7B-QGBT-QE04-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1980	1	<b>XA-7B-QGBT-QE04-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1981	1	<b>XA-7B-QGBT-QE04-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1982													
1983	1	<b>7B-QGBT-QE0.5</b>	CIRCUIT BREAK QE0.5	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	7
1984	1	<b>XA-7B-QGBT-QE05-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1985	1	<b>XA-7B-QGBT-QE05-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1986	1	<b>XA-7B-QGBT-QE05-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1987	1	<b>XA-7B-QGBT-QE05-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1988	1	<b>XA-7B-QGBT-QE05-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1989	1	<b>XA-7B-QGBT-QE05-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1990													
1991	1	<b>7B-QGBT-QE0.15</b>	CIRCUIT BREAK QE0.15	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	7
1992	1	<b>XA-7B-QGBT-QE015-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1993	1	<b>XA-7B-QGBT-QE015-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1994	1	<b>XA-7B-QGBT-QE015-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1995	1	<b>XA-7B-QGBT-QE015-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1996	1	<b>XA-7B-QGBT-QE015-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850





 			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 80 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
1997	1	<b>XA-7B-QGBT-QE015-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
1998													
1999	1	<b>7B-QGBT-QE0.1</b>	CIRCUIT BREAK QE0.1	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	7
2000	1	<b>XA-7B-QGBT-QE01-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2001	1	<b>XA-7B-QGBT-QE01-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2002	1	<b>XA-7B-QGBT-QE01-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2003	1	<b>XA-7B-QGBT-QE01-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2004	1	<b>XA-7B-QGBT-QE01-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2005	1	<b>XA-7B-QGBT-QE01-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2006													
2007	1	<b>7B-QGBT-QE0.10</b>	CIRCUIT BREAK QE0.10	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	7
2008	1	<b>XA-7B-QGBT-QE010-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2009	1	<b>XA-7B-QGBT-QE010-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2010	1	<b>XA-7B-QGBT-QE010-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2011	1	<b>XA-7B-QGBT-QE010-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2012	1	<b>XA-7B-QGBT-QE010-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2013	1	<b>XA-7B-QGBT-QE010-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2014													
2015	1	<b>7B-QGBT-QE0.11</b>	CIRCUIT BREAK QE0.11	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	7
2016	1	<b>XA-7B-QGBT-QE011-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2017	1	<b>XA-7B-QGBT-QE011-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2018	1	<b>XA-7B-QGBT-QE011-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2019	1	<b>XA-7B-QGBT-QE011-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2020	1	<b>XA-7B-QGBT-QE011-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2021	1	<b>XA-7B-QGBT-QE011-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2022													
2023	1	<b>7B-QGBT-QE0.16</b>	CIRCUIT BREAK QE0.16	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	7





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											CLIENT NR.: PRD-AIC-LIS-006		REV.: 1
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
2024	1	XA-7B-QGBT-QE016-1	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2025	1	XA-7B-QGBT-QE016-2	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2026	1	XA-7B-QGBT-QE016-3	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2027	1	XA-7B-QGBT-QE016-4	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2028	1	XA-7B-QGBT-QE016-5	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2029	1	XA-7B-QGBT-QE016-6	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2030													
2031	1	7B-QGBT-QE0.3	CIRCUIT BREAK QE0.3	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	7
2032	1	XA-7B-QGBT-QE03-1	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2033	1	XA-7B-QGBT-QE03-2	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2034	1	XA-7B-QGBT-QE03-3	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2035	1	XA-7B-QGBT-QE03-4	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2036	1	XA-7B-QGBT-QE03-5	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2037	1	XA-7B-QGBT-QE03-6	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2038													
2039	1	7B-QGBT-QE0.30	CIRCUIT BREAK QE0.30	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	7
2040	1	XA-7B-QGBT-QE030-1	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2041	1	XA-7B-QGBT-QE030-2	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2042	1	XA-7B-QGBT-QE030-3	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2043	1	XA-7B-QGBT-QE030-4	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2044	1	XA-7B-QGBT-QE030-5	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2045	1	XA-7B-QGBT-QE030-6	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2046													
2047	1	7B-QGBT-QE0.9	CIRCUIT BREAK QE0.9	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	7
2048	1	XA-7B-QGBT-QE09-1	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2049	1	XA-7B-QGBT-QE09-2	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2050	1	XA-7B-QGBT-QE09-3	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850

			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 82 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
2051	1	<b>XA-7B-QGBT-QE09-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2052	1	<b>XA-7B-QGBT-QE09-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2053	1	<b>XA-7B-QGBT-QE09-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2054													
2055	1	<b>7B-QGBT-QE0.13</b>	CIRCUIT BREAK QE0.13	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	7
2056	1	<b>XA-7B-QGBT-QE013-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2057	1	<b>XA-7B-QGBT-QE013-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2058	1	<b>XA-7B-QGBT-QE013-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2059	1	<b>XA-7B-QGBT-QE013-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2060	1	<b>XA-7B-QGBT-QE013-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2061	1	<b>XA-7B-QGBT-QE013-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2062													
2063	1	<b>7B-QGBT-QE0.7</b>	CIRCUIT BREAK QE0.7	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	7
2064	1	<b>XA-7B-QGBT-QE07-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2065	1	<b>XA-7B-QGBT-QE07-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2066	1	<b>XA-7B-QGBT-QE07-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2067	1	<b>XA-7B-QGBT-QE07-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2068	1	<b>XA-7B-QGBT-QE07-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2069	1	<b>XA-7B-QGBT-QE07-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2070													
2071	1	<b>ZS-7B-QGBT-QE0.14</b>	STATUS CIRCUIT BREAK QE0.14 (ON-OFF)	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2072	1	<b>ZA-7B-QGBT-QE0.14</b>	FAULT CIRCUIT BREAK QE0.14 (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2073	1	<b>ZS-7B-QGBT-QE0.6</b>	STATUS CIRCUIT BREAK QE0.6 (ON-OFF)	-	-	-	-	-	1	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2074	1	<b>ZA-7B-QGBT-QE0.6</b>	FAULT CIRCUIT BREAK QE0.6 (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	-	SW-B1031-2	IEC61850
2075													
2076	1	<b>XC-7B-3-E-GMC-0-001</b>	CONNECTION USCA GMG (1800KVA)	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
2077	1	<b>XL-7B-3-E-GMC-0-001</b>	STATUS USCA GMG 1800KVA (ON-OFF)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850



 			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 83 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS  PANEL LAYOUT	REMOTE	NOTES
2078	1	<b>XA-7B-3-E-GMC-0-001</b>	FAULT USCA GMG 1800KVA (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
2079	1	<b>HS-7B-3-E-GMC-0-001</b>	START USCA GMG 1800KVA (RUN-STOP)	-	-	1	-	-	-	7B-E-0-5-01	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	DRY CONTACT
2080													
2081	1	<b>XC-7B-3-E-GMC-0-002</b>	CONNECTION USCA GMG (1800KVA)	-	-	-	-	-	1	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
2082	1	<b>XL-7B-3-E-GMC-0-002</b>	STATUS USCA GMG 1800KVA (ON-OFF)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
2083	1	<b>XA-7B-3-E-GMC-0-002</b>	FAULT USCA GMG 1800KVA (ALARM)	-	-	-	-	-	-	7B-E-0-5-01	7B-I-0-7-04	SW-B1033-1	IEC61850
2084	1	<b>HS-7B-3-E-GMC-0-002</b>	START USCA GMG 1800KVA (RUN-STOP)	-	-	1	-	-	-	7B-E-0-5-01	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	DRY CONTACT
2085													
2086	1	<b>ZA-7B-4-E-UPS-2-001</b>	STATUS AND FAULT UPS (ON-OFF/ALARM)	-	-	-	-	-	1	7B-E-0-5-02	-	SW-B3003-1	ETH. TCP / IP
2087	1	<b>ZA-7B-4-E-UPS-2-002</b>	STATUS AND FAULT UPS (ON-OFF/ALARM)	-	-	-	-	-	1	7B-E-0-5-02	-	SW-B3003-1	ETH. TCP / IP
2088	1	<b>TA-7B-2-U-TR-2-001</b>	HIGHT TEMPERATURE IN TRAFO (220/380V)	1	-	-	-	-	-	7B-E-0-5-02	(7B-I-0-3-25) 7B-I-0-3-08	RM-B3012-1	TEMP. TRANSM.
2089													
2090	1	<b>SW-7B-3-U-QGUPS-2-001</b>	CONNECTION SWITCH ELECTRICAL	-	-	-	-	-	1	7B-E-0-5-02	7B-I-0-7-04	SW-B3003-1	ETH. TCP / IP
2091	1	<b>7B-3-U-QGUPS2-1</b>	CIRCUIT BREAK 1	-	-	-	-	-	1	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	7
2092	1	<b>XA-7B-3-U-QGUPS2.1-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2093	1	<b>XA-7B-3-U-QGUPS2.1-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2094	1	<b>XA-7B-3-U-QGUPS2.1-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2095	1	<b>XA-7B-3-U-QGUPS2.1-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2096	1	<b>XA-7B-3-U-QGUPS2.1-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2097	1	<b>XA-7B-3-U-QGUPS2.1-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2098													
2099	1	<b>7B-3-U-QGUPS2-2</b>	CIRCUIT BREAK 2	-	-	-	-	-	1	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	7
2100	1	<b>XA-7B-3-U-QGUPS2.2-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2101	1	<b>XA-7B-3-U-QGUPS2.2-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2102	1	<b>XA-7B-3-U-QGUPS2.2-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2103	1	<b>XA-7B-3-U-QGUPS2.2-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850

 			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 84 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>	REV.: <b>1</b>	
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N° OR EQUIPMENT	WIRING DRIAGRAMS PANEL LAYOUT	REMOTE	NOTES
2104	1	<b>XA-7B-3-U-QGUPS2.2-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2105	1	<b>XA-7B-3-U-QGUPS2.2-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2106													
2107	1	<b>7B-3-U-QGUPS2-3</b>	CIRCUIT BREAK 3	-	-	-	-	-	1	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	7
2108	1	<b>XA-7B-3-U-QGUPS2.3-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2109	1	<b>XA-7B-3-U-QGUPS2.3-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2110	1	<b>XA-7B-3-U-QGUPS2.3-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2111	1	<b>XA-7B-3-U-QGUPS2.3-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2112	1	<b>XA-7B-3-U-QGUPS2.3-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2113	1	<b>XA-7B-3-U-QGUPS2.3-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2114													
2115	1	<b>7B-3-U-QGUPS2-4</b>	CIRCUIT BREAK 4	-	-	-	-	-	1	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	7
2116	1	<b>XA-7B-3-U-QGUPS2.4-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2117	1	<b>XA-7B-3-U-QGUPS2.4-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2118	1	<b>XA-7B-3-U-QGUPS2.4-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2119	1	<b>XA-7B-3-U-QGUPS2.4-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2120	1	<b>XA-7B-3-U-QGUPS2.4-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2121	1	<b>XA-7B-3-U-QGUPS2.4-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2122													
2123	1	<b>7B-3-U-QGUPS2-5</b>	CIRCUIT BREAK 5	-	-	-	-	-	1	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	7
2124	1	<b>XA-7B-3-U-QGUPS2.5-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2125	1	<b>XA-7B-3-U-QGUPS2.5-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2126	1	<b>XA-7B-3-U-QGUPS2.5-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2127	1	<b>XA-7B-3-U-QGUPS2.5-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2128	1	<b>XA-7B-3-U-QGUPS2.5-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2129	1	<b>XA-7B-3-U-QGUPS2.5-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850

 			 		TITLE: <b>DRUG SUBSTANCE I/O LIST</b>						DOC NR.: <b>569-DB7B-AIC-330-003</b>		SHEET.: 85 / 85
											CLIENT NR.: <b>PRD-AIC-LIS-006</b>		REV.: <b>1</b>
ID	REV		SERVICE	ANALOG INPUT AI	ANALOG OUTPUT AO	DIGITAL INPUT DI	DIGITAL OUTPUT DO	POWER SUPPLY PS	NETWORK POINTS COMM.	P&ID N°  OR EQUIPMENT	WIRING DRIAGRAMS	REMOTE	NOTES
											PANEL LAYOUT		
2130													
2131	1	<b>7B-3-U-QGUPS2-6</b>	CIRCUIT BREAK 6	-	-	-	-	-	1	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	7
2132	1	<b>XA-7B-3-U-QGUPS2.6-1</b>	FAULT DEVICE FAILURE COMUNICATION (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2133	1	<b>XA-7B-3-U-QGUPS2.6-2</b>	FAULT TRIP CIRCUIT BREAK (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2134	1	<b>XA-7B-3-U-QGUPS2.6-3</b>	DRAWER INSERT FAILURE (ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2135	1	<b>XA-7B-3-U-QGUPS2.6-4</b>	ABNORMAL TEMPERATURE (PRÉ-ALARM)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2136	1	<b>XA-7B-3-U-QGUPS2.6-5</b>	STATUS CIRCUIT BREAK (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2137	1	<b>XA-7B-3-U-QGUPS2.6-6</b>	RATED CURRENT IN DEVICE (FACEPLATE)	-	-	-	-	-	-	7B-E-0-5-02	7B-I-0-7-04	SW-7B-3-U-QGUPS-2-001	IEC61850
2138	1												
2139													
2140			ELECTRICAL SYSTEM	AI	AO	DI	DO	PS	NETWORK POINTS				
2141			SUB TOTAL RM-B1033-1	5	0	2	0	0	3				
2142													
2143													
2144													
2145													
2146													
2147													
2148			GENERAL TOTAL I/O (BUILDING 7B)	AI	AO	DI	DO	PS	NETWORK POINTS				
2149				323	126	447	154	13	56				