

Exxon ISOPAR HIMA System software Modified For ISOPAR  
HIMA Upgrade project (Program/Force Keyswitch Overrides  
and THA487 Setpoint changes.

Checked by: *D.Pedder*

Installed on site project

CRC : 16#83898b47

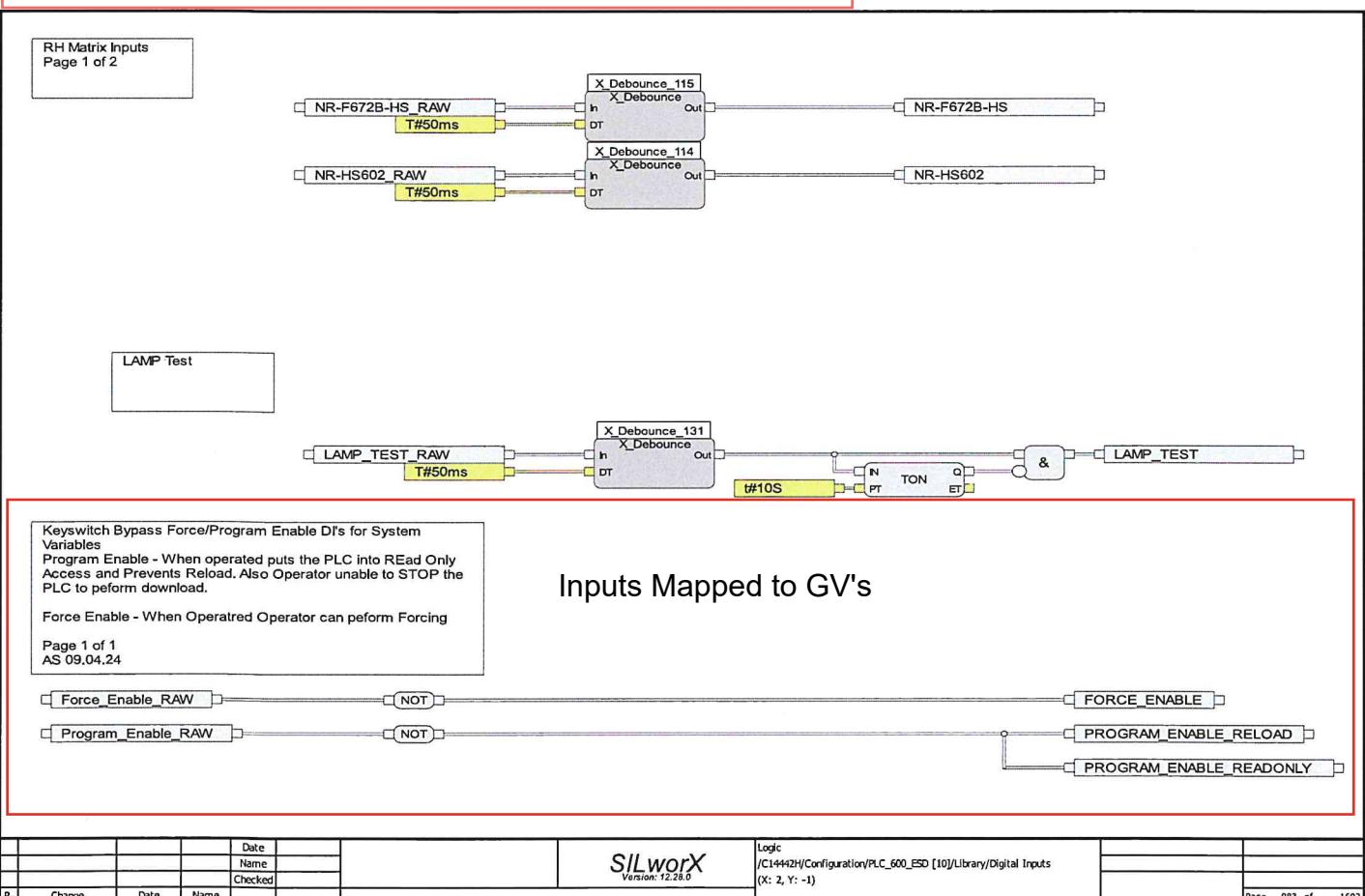
Date : 19/11/2018

Reload/Download Iteration : r091

Modified project

CRC : 16#75debdc4

Date : 03/07/24



GV [10.x.x] | HW [10.0.0] | [Close](#)

Rack System

Type **HIMax**

	Name	Data type	Input Variable	Global Variable
1	Allow Online Settings	BOOL	<input checked="" type="checkbox"/>	
2	Autostart	BOOL	<input checked="" type="checkbox"/>	
3	CRC	UDINT	<input checked="" type="checkbox"/>	
4	Cycle Time, average [ms]	UDINT	<input checked="" type="checkbox"/>	SYSTEM_CYCLE_TIME_AVERAGE
5	Cycle Time, last [ms]	UDINT	<input checked="" type="checkbox"/>	
6	Cycle Time, max [ms]	UDINT	<input checked="" type="checkbox"/>	SYSTEM_CYCLE_TIME_MAX
7	Cycle Time, min [ms]	UDINT	<input checked="" type="checkbox"/>	SYSTEM_CYCLE_TIME_MIN
8	Date/time [ms portion]	UDINT	<input checked="" type="checkbox"/>	
9	Date/time [s portion]	UDINT	<input checked="" type="checkbox"/>	
10	Emergency Stop 1	BOOL	<input type="checkbox"/>	
11	Emergency Stop 2	BOOL	<input type="checkbox"/>	
12	Emergency Stop 3	BOOL	<input type="checkbox"/>	
13	Emergency Stop 4	BOOL	<input type="checkbox"/>	
14	Fan State	BYTE	<input checked="" type="checkbox"/>	
15	Force Switch State	UDINT	<input checked="" type="checkbox"/>	FORCE_COUNT
16	Forcing Active	BOOL	<input checked="" type="checkbox"/>	
17	Forcing Deactivation	BOOL	<input type="checkbox"/>	
18	Forcing Deactivation	BOOL	<input checked="" type="checkbox"/>	
19	Global Forcing Started	BOOL	<input checked="" type="checkbox"/>	
20	Last Communication Error [ms]	UDINT	<input checked="" type="checkbox"/>	
21	Last Communication Error [s]	UDINT	<input checked="" type="checkbox"/>	
22	Last Communication Warning [ms]	UDINT	<input checked="" type="checkbox"/>	
23	Last Communication Warning [s]	UDINT	<input checked="" type="checkbox"/>	
24	Last Field Error [ms]	UDINT	<input checked="" type="checkbox"/>	

Output System Variables,  
Logic -> Controller allocations

Input System Variables  
Controller -> Logic Allocations

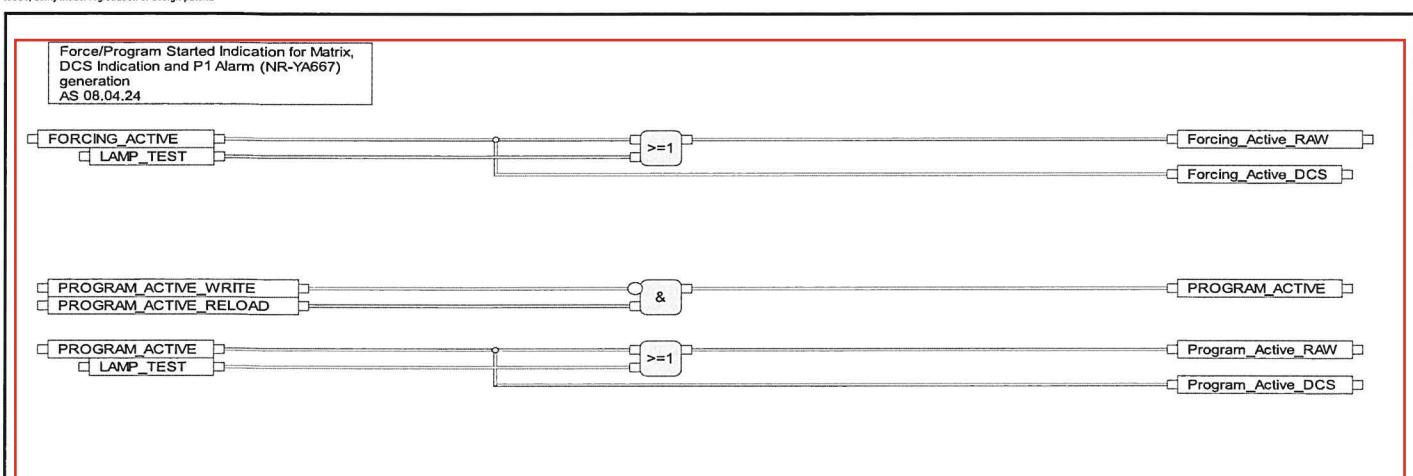
GV [10.x.x] | HW [10.0.0] | [Close](#)

Rack System

Type HIMax

	Name	Data type	Input Variable	Global Variable
55	Power Supply State [1]	BYTE	<input checked="" type="checkbox"/>	
56	Power Supply State [2]	BYTE	<input checked="" type="checkbox"/>	
57	Power Supply State [3]	BYTE	<input checked="" type="checkbox"/>	
58	Power Supply State [4]	BYTE	<input checked="" type="checkbox"/>	
59	Read-only in RUN	BOOL	<input type="checkbox"/>	<div style="border: 1px solid red; padding: 2px;">PROGRAM_ENABLE_READONLY</div>
60	Read-only in RUN	BOOL	<input checked="" type="checkbox"/>	<div style="border: 1px solid red; padding: 2px;">PROGRAM_ACTIVE_WRITE</div>
61	Redundancy Info	UDINT	<input checked="" type="checkbox"/>	
62	Reload Allowed	BOOL	<input checked="" type="checkbox"/>	<div style="border: 1px solid red; padding: 2px;">PROGRAM_ACTIVE_RELOAD</div>
63	Reload Cycle	BOOL	<input checked="" type="checkbox"/>	
64	Reload Deactivation	BOOL	<input type="checkbox"/>	<div style="border: 1px solid red; padding: 2px;">PROGRAM_ENABLE_RELOAD</div>
65	Reload Deactivation	BOOL	<input checked="" type="checkbox"/>	
66	Remaining Global Force Duration [ms]	DINT	<input checked="" type="checkbox"/>	
67	Responsible Module Essential	BYTE	<input checked="" type="checkbox"/>	
68	Safety time [ms]	UDINT	<input checked="" type="checkbox"/>	
69	Spare 0	USINT	<input type="checkbox"/>	
70	Spare 0	USINT	<input checked="" type="checkbox"/>	
71	Spare 1	USINT	<input type="checkbox"/>	
72	Spare 1	USINT	<input checked="" type="checkbox"/>	
73	Spare 2	USINT	<input type="checkbox"/>	
74	Spare 2	USINT	<input checked="" type="checkbox"/>	
75	Spare 3	USINT	<input type="checkbox"/>	
76	Spare 3	USINT	<input checked="" type="checkbox"/>	
77	Spare 4	USINT	<input type="checkbox"/>	
78	Spare 4	USINT	<input checked="" type="checkbox"/>	

Reproduction, distribution and exploitation of this document, as well as the communication of its contents to others without express and authorization is prohibited. Offenders will be held liable for damages. All rights reserved in the event of patent issue, utility model registration or design patent.



GV for LED Outputs and DCS Comms

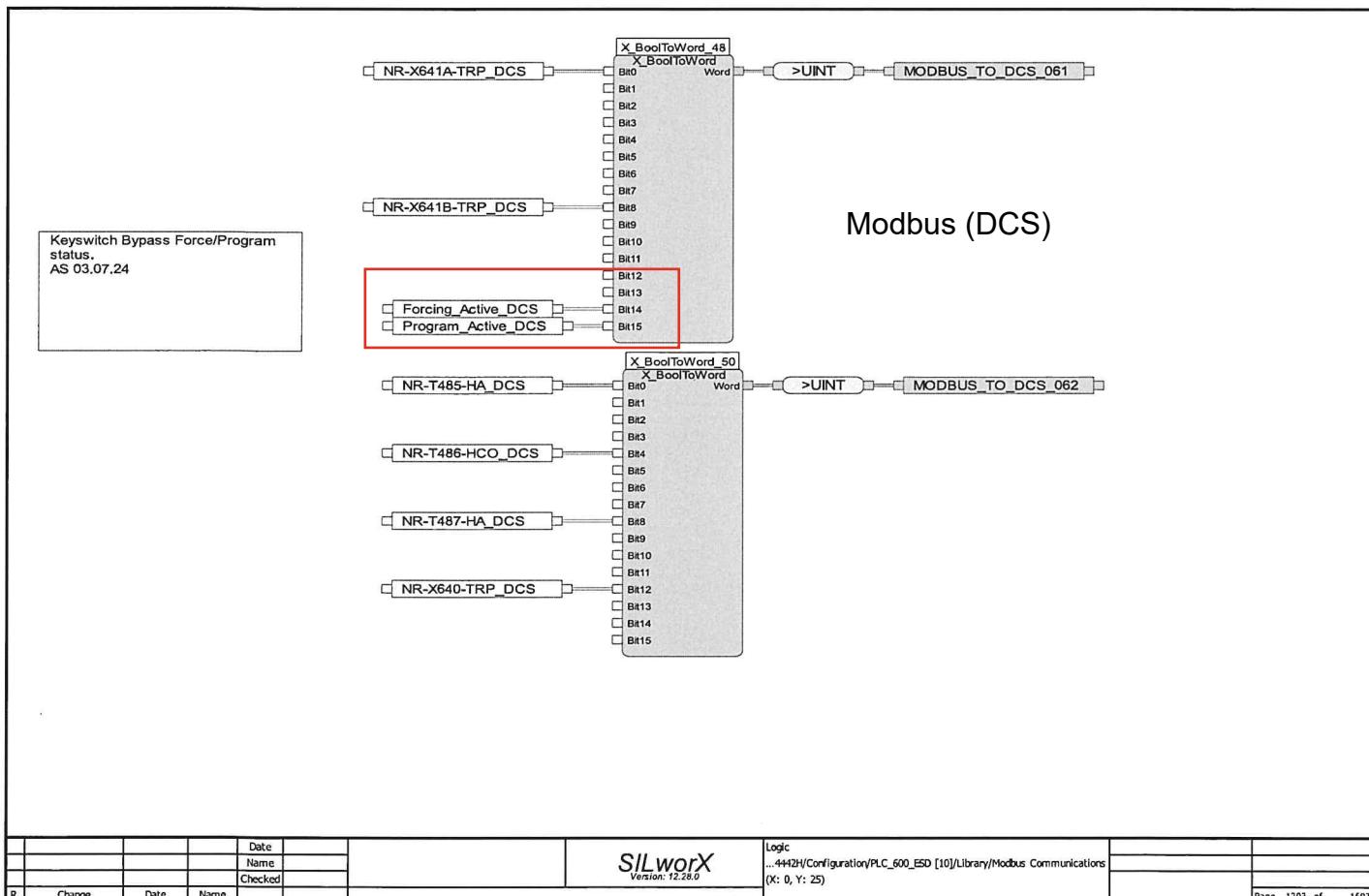
			Date					
			Name					
R.	Change	Date	Name	Checked				

**SILworX**  
Version: 12.28.0

Logic  
/C1442H/Configuration/PLC\_600\_ESD [10]/Library/Digital Outputs  
(X: -1, Y: 0)

Page 1059 of 1692

Reproduction, distribution and exploitation of this document, as well as the communication of its contents to others without express written authorization is prohibited. Offenders will be held liable for damages. All rights reserved in the event of patent issue, utility model registration or design patent.



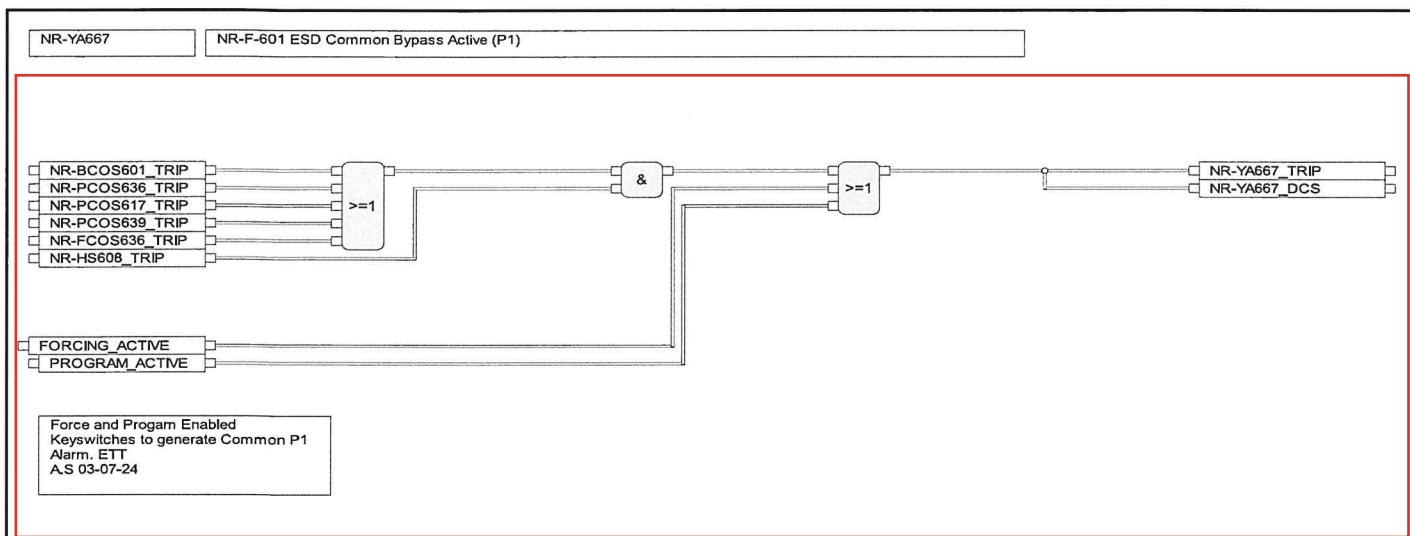
		Date	
		Name	
		Checked	
R.	Change	Date	Name

SILworX  
Version: 12.28.0

Logic  
...4442H\Configuration\PLC\_600\_ESD [10]\Library\Modbus Communications  
(X: 0, Y: 25)

Page 1203 of 1692

Reproduction, distribution and exploitation of this document, as well as the communication of its content to others without expressed authorization is prohibited. Offenders will be liable for damages. All rights reserved in the event of patent issue, utility model registration or design patent.



## Keyswitch statuses added to Common P1 Alarm logic

		Date	Name		SILworX Version: 12.28.0	Logic /C14442H/Configuration/PLC_600_ESD [10]/NR-F-601/C&E Logic F601 (X: 1, Y: 11)		
R.	Change	Date	Name	Checked				

## THA487 Setpoint changes

	Name	Data type	Initial Value	Description	Additional Comment	Technical Unit	Retain	Constant	EU Initial Value	EU Final Value
43	NR-T470C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
44	NR-T470B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
45	NR-T470A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
46	NR-T469C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
47	NR-T469B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
48	NR-T469A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
49	NR-T468C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
50	NR-T468B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
51	NR-T468A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
52	NR-T467C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
53	NR-T467B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
54	NR-T467A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
55	NR-T466C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
56	NR-T466B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
57	NR-T466A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
58	NR-T465C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
59	NR-T465B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
60	NR-T465A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
61	NR-T464C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
62	NR-T464B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
63	NR-T464A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
64	NR-T463C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
65	NR-T463B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
66	NR-T463A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
67	NR-T462C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
68	NR-T462B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
69	NR-T462A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
70	NR-T461C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
71	NR-T461B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
72	NR-T461A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
73	NR-T460C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
74	NR-T460B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
75	NR-T460A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
76	NR-T459C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
77	NR-T459B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
78	NR-T459A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
79	NR-T458C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
80	NR-T458B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
81	NR-T458A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
82	NR-T457C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
83	NR-T457B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
84	NR-T457A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		



	Name	Data type	Initial Value	Description	Additional Comment	Technical Unit	Retain	Constant	EU Initial Value	EU Final Value
1	NR-T484C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
2	NR-T484B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
3	NR-T484A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4	NR-T483C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
5	NR-T483B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
6	NR-T483A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
7	NR-T482C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
8	NR-T482B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
9	NR-T482A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
10	NR-T481C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
11	NR-T481B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
12	NR-T481A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
13	NR-T480C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
14	NR-T480B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
15	NR-T480A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
16	NR-T479C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
17	NR-T479B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
18	NR-T479A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
19	NR-T478C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
20	NR-T478B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
21	NR-T478A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
22	NR-T477C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
23	NR-T477B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
24	NR-T477A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
25	NR-T476C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
26	NR-T476B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
27	NR-T476A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
28	NR-T475C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
29	NR-T475B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
30	NR-T475A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
31	NR-T474C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
32	NR-T474B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
33	NR-T474A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
34	NR-T473C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
35	NR-T473B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
36	NR-T473A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
37	NR-T472C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
38	NR-T472B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
39	NR-T472A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
40	NR-T471C-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
41	NR-T471B-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
42	NR-T471A-Y_PRE_PRE_AL_SP	REAL	3583.0	Pre-Pre-Alarm Set Point			<input type="checkbox"/>	<input checked="" type="checkbox"/>		