UUT Report

Station ID:	**IT-W-7303101**
Serial Number:	**NONE**
Date:	**martedì 21 marzo 2023**
Time:	**14:04:07**
Operator:	**ITLAVIT1**
Execution Time:	**00:48:53.006**
Number of Results:	**1829**
UUT Result:	**Failed**
Failure Chain:	

Step	Sequence	Sequence File
Check Lock	General and Architecture and LED	Complete_test.seq
General and Architecture and LED	MainSequence	Complete_test.seq

Begin Sequence: MainSequence
(C:\Users\itlavit1\OneDrive - ABB\LabRnD_Shared\TestStand\Sequences\MOD\Complete_test.seq)

UUT Parameters	
Status:	Done
TestResults/Data:	
Product Name:	ARI LV
Communication Module:	RS485
UUT_info_comm	
Status:	Done
TestResults/Data:	
Product type:	ARI LV
COMM type:	COMM1_RS485
Product Firmware version:	''
COMM Firmware version:	''
General and Architecture and LED	
Status:	Failed
Module Time:	217.589

Begin Sequence: General and Architecture and LED
(C:\Users\itlavit1\OneDrive - ABB\LabRnD_Shared\TestStand\Sequences\MOD\Complete_test.seq)

Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that manual opening and closing of the device shall be possible when the device is power off and the LED is OFF.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that manual opening and closing of the device shall be possible when the device is power ON and in NOT-Active state.

Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the LED is "Blinking Green" in both active and close configurations.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the LED is "Blinking Green".
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that manual opening and closing of the device shall be possible when the device is power ON and in NOT-Active state.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the LED is "Blinking Green"in both active and close configurations.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the LED is "Blinking Green".
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the LED is "Blinking Green"in both active and close configurations.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that manual opening and closing of the device shall be possible when the device is power ON and in Active state.
Status:	Passed

Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the LED is "Fix Green"in close active configuration and "Blinking green" in open active configuration.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the LED is "Blinking Green".
Status:	Passed

Additional Results	
Status:	Done

TestResults/Data:	
PopupString:	Check that manual opening and closing of the device shall be possible when the device is power ON and in Active state.
Status:	Passed

Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the LED is "Fix Green"in close active configuration and "Blinking green" in open active configuration.
Status:	Passed

Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the LED is "Fix Green".
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that manual opening and closing of the device shall be possible when the device is power ON and in Active state.
Status:	Passed

Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the LED is "Fix Green"in close active configuration and "Blinking green" in open active configuration.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that when the ARI is power ON an auto-reclosing command is executed.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the LED is "Fix Green" after autoreclose.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the LED was "Blinking Red" during the stand-by state and now is "Fix Red" in Lock State.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that manual opening and closing of the device shall be possible when the device is power ON and in Locked state.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the LED is "Fix Green"in close active configuration and "Blinking green" in open active configuration.

Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the LED is "Fix Red".
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that manual opening and closing of the device shall be possible when the device is power ON and in Locked state.
Status:	Passed
Check Lock	
Status:	Failed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that ARI reach Lock state after 4 trip due to the reset of reclosing attempts during the power fail.
Status:	Failed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that ARI reach Lock state after 4 trip due to the reset of reclosing attempts during the power fail.
Status:	Passed

End Sequence: General and Architecture and LED

Input-Output	
Status:	Passed
Module Time:	519.191

Begin Sequence: I/O
(C:\Users\itlavit1\OneDrive - ABB\LabRnD_Shared\TestStand\Sequences\MOD\Complete_test.seq)

Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that remote closing hasn't appened.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that remote closing hasn't appened.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that remote opening hasn't appened.
Status:	Passed
Additional Results	

Status:	Done
TestResults/Data:	
PopupString:	Check that remote opening hasn't appened.
Status:	Passed
Check Outputs	
Status:	Passed
TestResults/Data:	
Configuration:	MOD in Active State and MPD OPEN
Output 1:	True
Output 2:	True
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that remote opening worked.
Status:	Passed
Check Outputs	
Status:	Passed
TestResults/Data:	
Configuration:	MOD in Active State and MPD OPEN
Output 1:	False
Output 2:	True
Check Outputs	
Status:	Passed
TestResults/Data:	
Configuration:	MOD in Active State and MPD OPEN
Output 1:	False
Output 2:	True
Check Outputs	
Status:	Passed
TestResults/Data:	
Configuration:	MOD in Active State and MPD HALF OPEN
Output 1:	True
Output 2:	True
Check Outputs	
Status:	Passed
TestResults/Data:	
Configuration:	MOD in Active State and MPD HALF OPEN
Output 1:	True
Output 2:	True
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that remote closing worked.
Status:	Passed

Check Outputs stand-by	
Status:	Passed
TestResults/Data:	
Configuration:	MOD in Lock State
Output 1:	False

Output 2:	True
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that closing has not worked due to input command but for the auto-reclosing.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check ARI is in Lock state.
Status:	Passed
Check Outputs	
Status:	Passed
TestResults/Data:	
Configuration:	MOD in Lock State
Output 1:	False
Output 2:	False
Check Outputs	
Status:	Passed
TestResults/Data:	
Configuration:	MOD in Lock State
Output 1:	False
Output 2:	False
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that remote closing not worked.
Status:	Passed

End Sequence: I/O

Power Outage	
Status:	Passed
Module Time:	119.525

Begin Sequence: Power Outage
(C:\Users\itlavit1\OneDrive - ABB\LabRnD_Shared\TestStand\Sequences\MOD\Complete_test.seq)

Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the MOD open automatically the MPD at power On without reclosing.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the MOD open automatically the MPD at power On without reclosing.
Status:	Passed

Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the MOD open automatically the MPD at power On and reclose without dead time.
Status:	Passed

End Sequence: Power Outage

Motor Driver	
Status:	Passed
Module Time:	466.736

Begin Sequence: Motor Driver
(C:\Users\itlavit1\OneDrive - ABB\LabRnD_Shared\TestStand\Sequences\MOD\Complete_test.seq)

MPD MODEL	
Status:	Done
TestResults/Data:	
MPD MODEL:	F204

Power Consumption at rest	
Status:	Passed
Numeric:	0
Limits:	
Low:	1
Comparison Type:	LE(<=)
TestResults/Data:	
Configuration:	At Rest
Power Consumption during opening	
Status:	Passed
Numeric:	0
Limits:	
Low:	25
Comparison Type:	LE(<=)
TestResults/Data:	
Configuration:	Opening
Power Consumption during closing	
Status:	Passed
Numeric:	0
Limits:	
Low:	25
Comparison Type:	LE(<=)
TestResults/Data:	
Configuration:	Closing
Power Consumption at rest after	
Status:	Passed
Numeric:	0
Limits:	
Low:	1

Comparison Type:	LE(<=)
TestResults/Data:	
Configuration:	At Rest
Power Consumption during auto-closing	
Status:	Passed
Numeric:	0
Limits:	
Low:	25
Comparison Type:	LE(<=)
TestResults/Data:	
Configuration:	Closing

End Sequence: Motor Driver

Modbus Register check	
Status:	Failed
Module Time:	1562.72

Begin Sequence: Modbus Register check
(C:\Users\itlavit1\OneDrive - ABB\LabRnD_Shared\TestStand\Sequences\MOD\Complete_test.seq)

Internal communication failure	
Status:	Done
TestResults/Data:	
Register Value:	OK
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote opening via modbus worked.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote closing via modbus worked.
Status:	Passed

Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote closing via modbus has not worked due to closing command but for autoreclosing procedure.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote closing via modbus has not worked.
Status:	Passed
input	
Status:	Done
TestResults/Data:	

Register Value:	Disable
Pass/Fail Test	
Status:	Passed
Communication	
Status:	Done
TestResults/Data:	
Register Value:	Disable
Pass/Fail Test	
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote closing via input has not worked.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote closing via modbus has not worked.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote closing via input has not worked.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote closing via modbus has not worked.
Status:	Passed
input	
Status:	Done
TestResults/Data:	
Register Value:	Disable
Pass/Fail Test	
Status:	Passed
Communication	
Status:	Done
TestResults/Data:	
Register Value:	Disable
Pass/Fail Test	
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote opening via input has not worked.
Status:	Passed
Additional Results	
Status:	Done

TestResults/Data:	
PopupString:	Check that the remote opening via modbus has not worked.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote opening via input has not worked.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote opening via modbus has not worked.
Status:	Passed
input	
Status:	Done
TestResults/Data:	
Register Value:	Enable
Pass/Fail Test	
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote closing via modbus has not worked.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote closing via input worked.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote opening via modbus has not worked.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote opening via input worked.
Status:	Passed
Communication	
Status:	Done
TestResults/Data:	
Register Value:	Enable
Pass/Fail Test	
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote closing and opening via input worked.

Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote closing and opening via modbus worked.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote closing via input has not worked.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote closing via modbus worked.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote opening via input has not worked.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the remote opening via modbus worked.
Status:	Passed
Reclosing attempts	
Status:	Done
TestResults/Data:	
Register Value:	3
Waiting time among reclosing	
Status:	Done
TestResults/Data:	
Register Value:	3
Neutralization time	
Status:	Done
TestResults/Data:	
Register Value:	12
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the ARI entered the Lock state with the prefixed settings.
Status:	Passed
Reclosing attempts	
Status:	Done
TestResults/Data:	
Register Value:	5
Test Update Reclosing attempts	

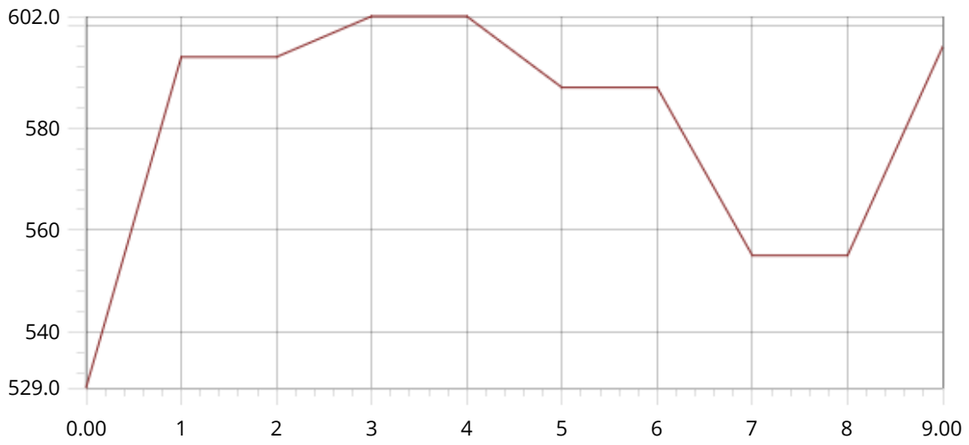
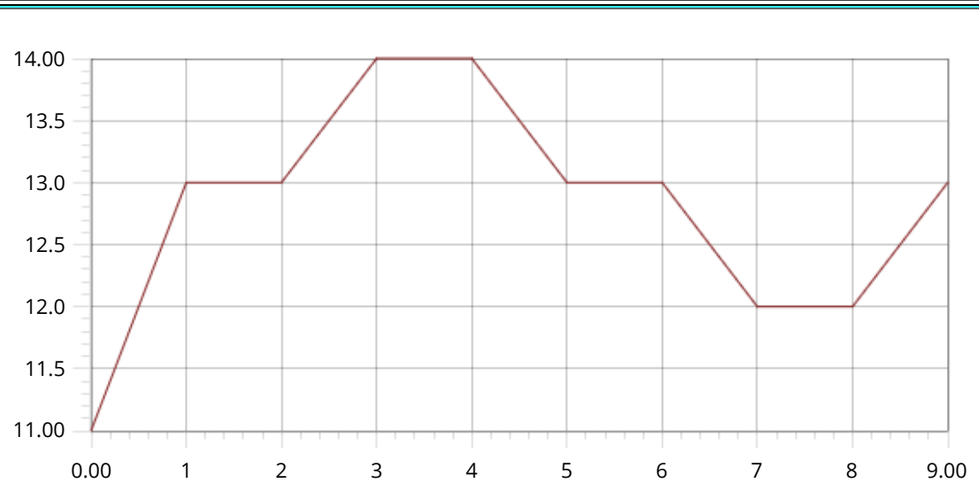
Status:	Passed
Waiting time among reclosing	
Status:	Done
TestResults/Data:	
Register Value:	5
Test Update Time among reclosing	
Status:	Passed
Neutralization time	
Status:	Done
TestResults/Data:	
Register Value:	45
Test Update Neutralization time	
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the ARI entered the Lock state with the new settings.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check that the ARI entered the Lock state with the new settings.
Status:	Passed
Additional Results	
Status:	Done
TestResults/Data:	
PopupString:	Check with modbus poll that the maximum settable value of the neutralization time and waiting time before reclosing is 300 and the maximum number of reclosing attempts is 10.
Status:	Passed
Status Breaker	
Status:	Done
TestResults/Data:	
Register Value:	Open
Test Status Breaker	
Status:	Passed
Status Breaker	
Status:	Done
TestResults/Data:	
Register Value:	Open
Test Status Breaker	
Status:	Passed
Status Breaker	
Status:	Done
TestResults/Data:	
Register Value:	Close
Test Status Breaker	
Status:	Passed
Status Breaker	

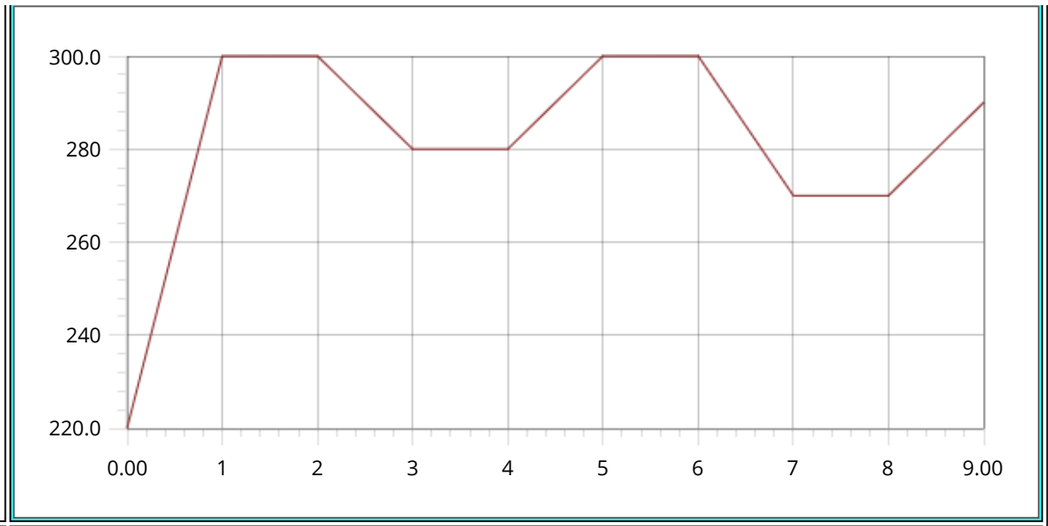
Status:	Done
TestResults/Data:	
Register Value:	Close
Test Status Breaker	
Status:	Passed

Status Breaker	
Status:	Done
TestResults/Data:	
Register Value:	Open
Test Status Breaker	
Status:	Passed
Status Breaker	
Status:	Done
TestResults/Data:	
Register Value:	Open
Test Status Breaker	
Status:	Passed

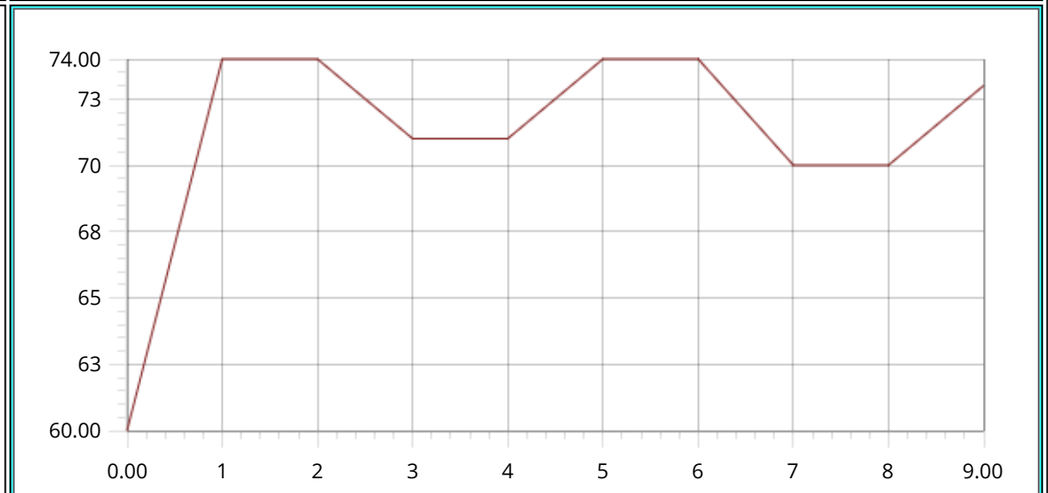
Tripped	
Status:	Done
TestResults/Data:	
Register Value:	No Trip
Test Tripped	
Status:	Passed

Tripped	
Status:	Done
TestResults/Data:	
Register Value:	Trip
Test Tripped	
Status:	Passed
Tripped	
Status:	Done
TestResults/Data:	
Register Value:	Trip
Test Tripped	
Status:	Failed
Tripped	
Status:	Done
TestResults/Data:	
Register Value:	Trip
Test Tripped	
Status:	Passed
Tripped	
Status:	Done
TestResults/Data:	
Register Value:	Trip
Test Tripped	
Status:	Passed

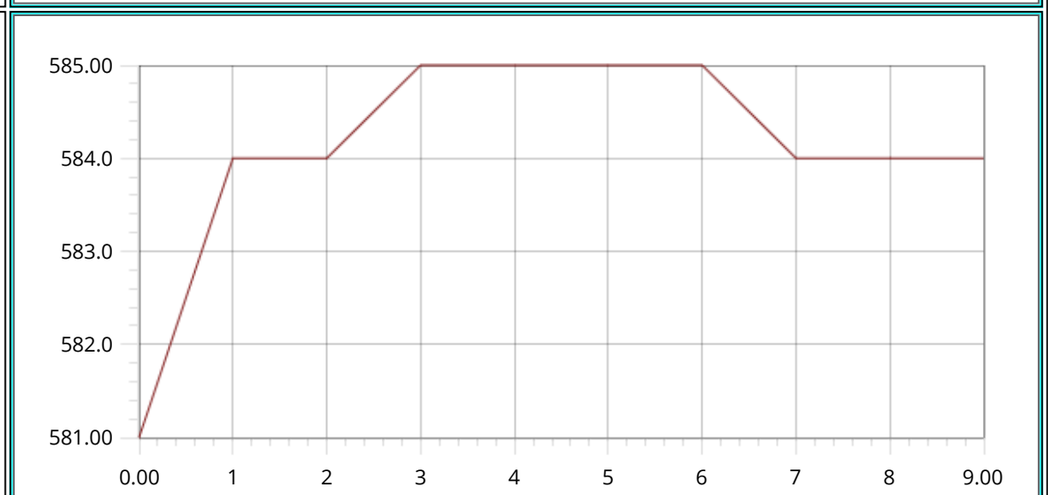
Tripped	
Status:	Done
TestResults/Data:	
Register Value:	No Trip
Test Tripped	
Status:	Passed
Maneuvre parameters graphs	
Status:	Done
TestResults/Data:	
Peak current in mA [0..9] :	
Motor torque in mN-m [0..9] :	
Time to max torque in ms [0..9] :	



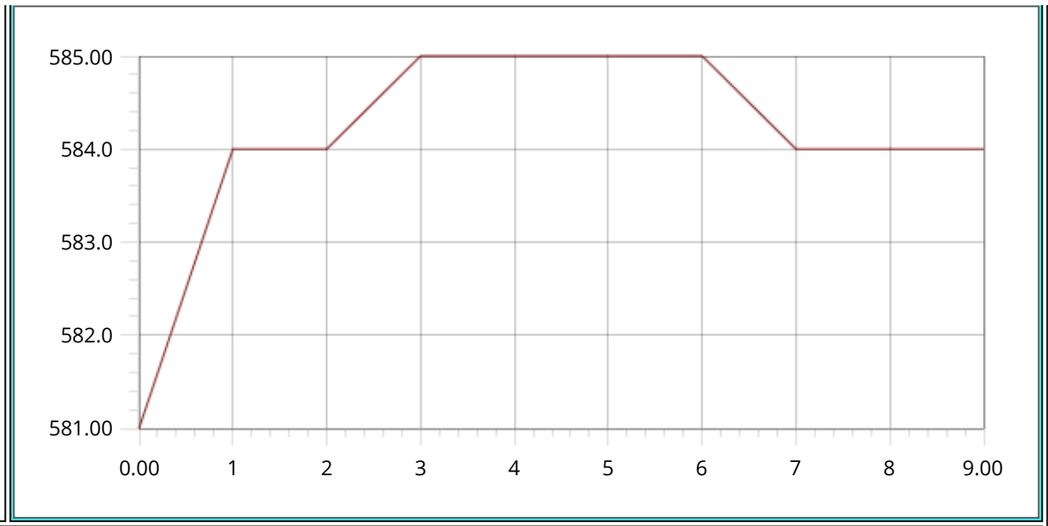
Peak torque toggle angle in degree [0..9] :



Closing time in ms [0..9] :



Opening time in ms [0..9] :



Maneuver attempt ongoing	
Status:	Done
TestResults/Data:	
Register Value:	No Maneuver
Test Maneuvre ongoing	
Status:	Passed
Parallel Call - Read loop	
Status:	Done
Module Time:	0.002611
Meneuvre Ongoing test	
Status:	Passed
Maneuvre Ongoing Results	
Status:	Done
TestResults/Data:	
Value of the register before the first change:	No Maneuver
Value of the register after the first change:	Maneuver ongoing
Number of changes:	2
Maneuver attempt ongoing	
Status:	Done
TestResults/Data:	
Register Value:	No Maneuver
Test Maneuvre ongoing	
Status:	Passed
Parallel Call - Read loop	
Status:	Done
Module Time:	0.0020791
Meneuvre Ongoing test	
Status:	Passed
Maneuvre Ongoing Results	
Status:	Done
TestResults/Data:	
Value of the register before the first change:	No Maneuver
Value of the register after the first change:	Maneuver ongoing
Number of changes:	2

Maneuver attempt ongoing	
Status:	Done
TestResults/Data:	
Register Value:	No Maneuver
Test Maneuvre ongoing	
Status:	Passed
Total Number of maneuvre	
Status:	Done
TestResults/Data:	
Register Value:	268
Total Number of closing maneuvre	
Status:	Done
TestResults/Data:	
Register Value:	193
Total Number of maneuver	
Status:	Done
TestResults/Data:	
Register Value:	288
Test total number maneuvre	
Status:	Passed
Total Number of closing maneuver	
Status:	Done
TestResults/Data:	
Register Value:	203
Test total number closing	
Status:	Passed

Total Number of maneuvre	
Status:	Done
TestResults/Data:	
Register Value:	288
Total Number of closing maneuvre	
Status:	Done
TestResults/Data:	
Register Value:	203
Total Number of maneuver	
Status:	Done
TestResults/Data:	
Register Value:	298
Test total number maneuvre	
Status:	Passed
Numeric:	298
Limits:	
Low:	298
Comparison Type:	EQ(==)
Total Number of closing maneuver	
Status:	Done
TestResults/Data:	
Register Value:	213
Test total number closing	
Status:	Passed

Numeric:	213
Limits:	
Low:	213
Comparison Type:	EQ(==)

Output 1	
Status:	Done
TestResults/Data:	
Register Value:	MOD lever open
Test Output1	
Status:	Passed
Output 2	
Status:	Done
TestResults/Data:	
Register Value:	Lock-out state not-active
Test output 2	
Status:	Passed
Input 1	
Status:	Done
TestResults/Data:	
Register Value:	Not Active
Test Input 1	
Status:	Passed
Input 2	
Status:	Done
TestResults/Data:	
Register Value:	Not Active
Test Input 2	
Status:	Passed
Output 1	
Status:	Done
TestResults/Data:	
Register Value:	MOD lever close
Test Output1	
Status:	Passed
Output 2	
Status:	Done
TestResults/Data:	
Register Value:	Lock-out state not-active
Test output 2	
Status:	Passed
Input 1	
Status:	Done
TestResults/Data:	
Register Value:	Active
Test Input 1	
Status:	Passed
Input 2	
Status:	Done
TestResults/Data:	

Register Value:	Not Active
Test Input 2	
Status:	Passed
Output 1	
Status:	Done
TestResults/Data:	
Register Value:	MOD lever open
Test Output1	
Status:	Passed
Output 2	
Status:	Done
TestResults/Data:	
Register Value:	Lock-out state not-active
Test output 2	
Status:	Passed
Input 1	
Status:	Done
TestResults/Data:	
Register Value:	Not Active
Test Input 1	
Status:	Passed
Input 2	
Status:	Done
TestResults/Data:	
Register Value:	Active
Test Input 2	
Status:	Passed
Output 1	
Status:	Done
TestResults/Data:	
Register Value:	MOD lever open
Test Output1	
Status:	Passed
Output 2	
Status:	Done
TestResults/Data:	
Register Value:	Lock-out state not-active

Test output 2	
Status:	Passed

Input 1	
Status:	Done
TestResults/Data:	
Register Value:	Not Active
Test Input 1	
Status:	Passed
Input 2	
Status:	Done
TestResults/Data:	
Register Value:	Not Active

Test Input 2	
Status:	Passed

Output 1	
Status:	Done
TestResults/Data:	
Register Value:	MOD lever open
Test Output1	
Status:	Passed
Output 2	
Status:	Done
TestResults/Data:	
Register Value:	Lock state
Test output 2	
Status:	Passed
Input 1	
Status:	Done
TestResults/Data:	
Register Value:	Not Active
Test Input 1	
Status:	Passed
Input 2	
Status:	Done
TestResults/Data:	
Register Value:	Not Active
Test Input 2	
Status:	Passed

Output 1	
Status:	Done
TestResults/Data:	
Register Value:	MOD lever close
Test Output1	
Status:	Passed
Output 2	
Status:	Done
TestResults/Data:	
Register Value:	Lock-out state not-active
Test output 2	
Status:	Passed
Input 1	
Status:	Done
TestResults/Data:	
Register Value:	Not Active
Test Input 1	
Status:	Passed
Input 2	
Status:	Done
TestResults/Data:	
Register Value:	Not Active
Test Input 2	

Status:	Passed
LAST DEMANDED COMMAND FAILED PF	
Status:	Done
TestResults/Data:	
Register Value:	All command completed
Test last demanded command	
Status:	Passed
LAST DEMANDED COMMAND FAILED PF	
Status:	Done
TestResults/Data:	
Register Value:	All command completed
Test last demanded command	
Status:	Passed
Parallel Call - Read loop power fail	
Status:	Done
Module Time:	0.0022686
Meneuvre power fail test	
Status:	Passed
Parallel Call - Read loop power fail	
Status:	Done
Module Time:	0.0025155
Meneuvre power fail test	
Status:	Passed
Parallel Call - Read loop power fail	
Status:	Done
Module Time:	0.0041305
Meneuvre power fail test	
Status:	Passed

Diagnostic register	
Status:	Done
TestResults/Data:	
Register Value:	2
Pass/Fail Test	
Status:	Passed
Diagnostic register	
Status:	Done
TestResults/Data:	
Register Value:	1
Pass/Fail Test	
Status:	Passed

Diagnostic register	
Status:	Done
TestResults/Data:	
Register Value:	2
Pass/Fail Test	
Status:	Passed
Diagnostic register	
Status:	Done
TestResults/Data:	

Register Value:	8
Pass/Fail Test	
Status:	Passed
Diagnostic register	
Status:	Done
TestResults/Data:	
Register Value:	4
Pass/Fail Test	
Status:	Passed

Product type number ID MOD	
Status:	Done
TestResults/Data:	
Register Value:	ARI LOW VOLTAGE
Product type number ID COMM	
Status:	Done
TestResults/Data:	
Register Value:	COMM1_RS485
Modbus RTU parameter Slave Address	
Status:	Done
TestResults/Data:	
Register Value:	1
Modbus RTU parameter Baud Rate	
Status:	Done
TestResults/Data:	
Register Value:	19200
Modbus RTU parameter Parity	
Status:	Done
TestResults/Data:	
Register Value:	EVEN

End Sequence: Modbus Register check

Modbus settings check	
Status:	Skipped
COMM LED & Button	
Status:	Skipped
Firmware Upgrade	
Status:	Skipped

End Sequence: MainSequence

End UUT Report