UUT Report

Station ID:	**IT-W-7303101**
Serial Number:	**NONE**
Date:	**mercoledì 28 giugno 2023**
Time:	**10:24:20**
Operator:	**administrator**
Execution Time:	**2815.6371618 seconds**
Number of Results:	**1841**
UUT Result:	**Failed**
Product:	**MOD LV**
Product type:	**MOD LV**
Comm type:	**COMM1_RS485**
Product FW Version:	**56010708**
Comm FW Version:	**42030100**
Failure Chain:	

Step	Sequence	Sequence File
Popup PassFail	Modbus Register check	General_test.seq
Modbus Register check	MainSequence	General_test.seq

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

General and Architecture and LED	
Status:	Passed
Module Time:	274.5481921

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

Additional Results	
Status:	Done
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
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
PopupString:	Check that the LED is "Blinking Green" in both active and close configurations.
Status:	Passed

Additional Results	
Status:	Done
PopupString:	Check that the LED is "Blinking Green".
Status:	Passed

Additional Results	
Status:	Done
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
PopupString:	Check that the LED is "Blinking Green"in both active and close configurations.
Status:	Passed

Additional Results	
Status:	Done
PopupString:	Check that the LED is "Blinking Green".
Status:	Passed

Additional Results	
Status:	Done
PopupString:	Check that the LED is "Blinking Green"in both active and close configurations.
Status:	Passed

Additional Results	
Status:	Done
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
PopupString:	Check that the LED is "Fix Green"in both active and close configurations.
Status:	Passed

Additional Results	
Status:	Done
PopupString:	Check that the LED is "Fix Green".
Status:	Passed

Additional Results	
Status:	Done
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
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
PopupString:	Check that the LED is "Fix Green"in both active and close configurations.
Status:	Passed

Additional Results	
Status:	Done
PopupString:	Check that the LED is "Fix Green".
Status:	Passed

Additional Results	
Status:	Done
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
PopupString:	Check that the LED is "Fix Green"in both active and close configurations.
Status:	Passed

Additional Results	
Status:	Done
PopupString:	Check that the LED is "Fix Red".
Status:	Passed

Additional Results	

Status:	Done
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
PopupString:	Check that the LED is "Fix Green".
Status:	Passed
Additional Results	
Status:	Done
PopupString:	Check that the LED is "Fix Red".
Status:	Passed
Additional Results	
Status:	Done
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

End Sequence: General and Architecture and LED

Input-Output	
Status:	Passed
Module Time:	195.6597836

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

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

Output 1:	False
Output 2:	False
Check Outputs	
Status:	Passed
Configuration:	MOD in Active State and MPD OPEN
Output 1:	False
Output 2:	False
Check Outputs	
Status:	Passed
Configuration:	MOD in Active State and MPD HALF OPEN
Output 1:	True
Output 2:	False
Check Outputs	
Status:	Passed
Configuration:	MOD in Active State and MPD HALF OPEN
Output 1:	True
Output 2:	False
Additional Results	
Status:	Done
PopupString:	Check that remote closing worked.
Status:	Passed

Check MOD Outputs	
Status:	Passed
Configuration:	MOD in Lock State
Output 1:	False
Output 2:	True
Check MOD Outputs	
Status:	Passed
Configuration:	MOD in Lock State
Output 1:	False
Output 2:	True
Additional Results	
Status:	Done
PopupString:	Check that remote closing worked.
Status:	Passed
Additional Results	
Status:	Done
PopupString:	Check that remote closing has not appened due to Dead time of 8 seconds after the trip.
Status:	Passed
Additional Results	
Status:	Done
PopupString:	Check that remote closing has appened after the Dead time of 8 seconds after the trip.
Status:	Passed

End Sequence: I/O

Power Outage	
Status:	Passed
Module Time:	83.9466432

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

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

Additional Results	
Status:	Skipped

End Sequence: Power Outage

Motor Driver	
Status:	Passed
Module Time:	385.415231

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

MPD MODEL	
Status:	Done
MPD MODEL:	F204

Power Consumption at rest	
Status:	Passed
Measurement:	0.816
Limits:	
Low:	1
Comparison Type:	LE (<=)
Configuration:	At Rest

Power Consumption during opening	
Status:	Passed
Measurement:	14.4
Limits:	
Low:	25
Comparison Type:	LE (<=)
Configuration:	Opening

Power Consumption during closing	
Status:	Passed
Measurement:	13.872
Limits:	
Low:	25
Comparison Type:	LE (<=)
Configuration:	Closing

Power Consumption at rest after	
Status:	Passed
Measurement:	0.816
Limits:	
Low:	1
Comparison Type:	LE (<=)
Configuration:	At Rest

End Sequence: Motor Driver

Modbus Register check	
Status:	Failed

Module Time:	974.0401445

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

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

Popup PassFail	
Status:	Failed
Additional Results	
Status:	Done
PopupString:	Check that the remote closing via modbus has not worked during dead time.
Status:	Failed
Additional Results	
Status:	Done
PopupString:	Check that the remote closing via modbus worked.
Status:	Passed
input	
Status:	Done
Register Value:	Disable
Pass/Fail Test	
Status:	Passed
Communication	
Status:	Done
Register Value:	Disable
Pass/Fail Test	
Status:	Passed
Additional Results	
Status:	Done
PopupString:	Check that the remote closing via input has not worked.
Status:	Passed
Additional Results	
Status:	Done
PopupString:	Check that the remote closing via modbus has not worked.
Status:	Passed
Additional Results	
Status:	Done
PopupString:	Check that the remote closing via input has not worked.
Status:	Passed
Additional Results	
Status:	Done
PopupString:	Check that the remote closing via modbus has not worked.
Status:	Passed

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

Additional Results	
Status:	Done
PopupString:	Check that the remote closing and opening via input worked.
Status:	Passed

Additional Results	
Status:	Done
PopupString:	Check that the remote closing and opening via modbus worked.
Status:	Passed

Additional Results	
Status:	Done
PopupString:	Check that the remote closing via input has not worked.
Status:	Passed

Additional Results	
Status:	Done
PopupString:	Check that the remote closing via modbus worked.
Status:	Passed

Additional Results	
Status:	Done
PopupString:	Check that the remote opening via input has not worked.
Status:	Passed

Additional Results	
Status:	Done
PopupString:	Check that the remote opening via modbus worked.
Status:	Passed

Status Breaker	
Status:	Done
Register Value:	Open

Test Status Breaker	
Status:	Passed

Status Breaker	
Status:	Done
Register Value:	Open

Test Status Breaker	
Status:	Passed

Status Breaker	
Status:	Done
Register Value:	Close

Test Status Breaker	
Status:	Passed

Status Breaker	
Status:	Done
Register Value:	Close

Test Status Breaker	
Status:	Passed

Status Breaker	
Status:	Done
Register Value:	Open

Test Status Breaker	
Status:	Passed

Status Breaker	
Status:	Done

Register Value:	Open

Test Status Breaker	
Status:	Passed

Tripped	
Status:	Done
Register Value:	No Trip

Test Tripped	
Status:	Passed

Tripped	
Status:	Done
Register Value:	Trip

Test Tripped	
Status:	Passed

Tripped	
Status:	Done
Register Value:	Trip

Test Tripped	
Status:	Passed

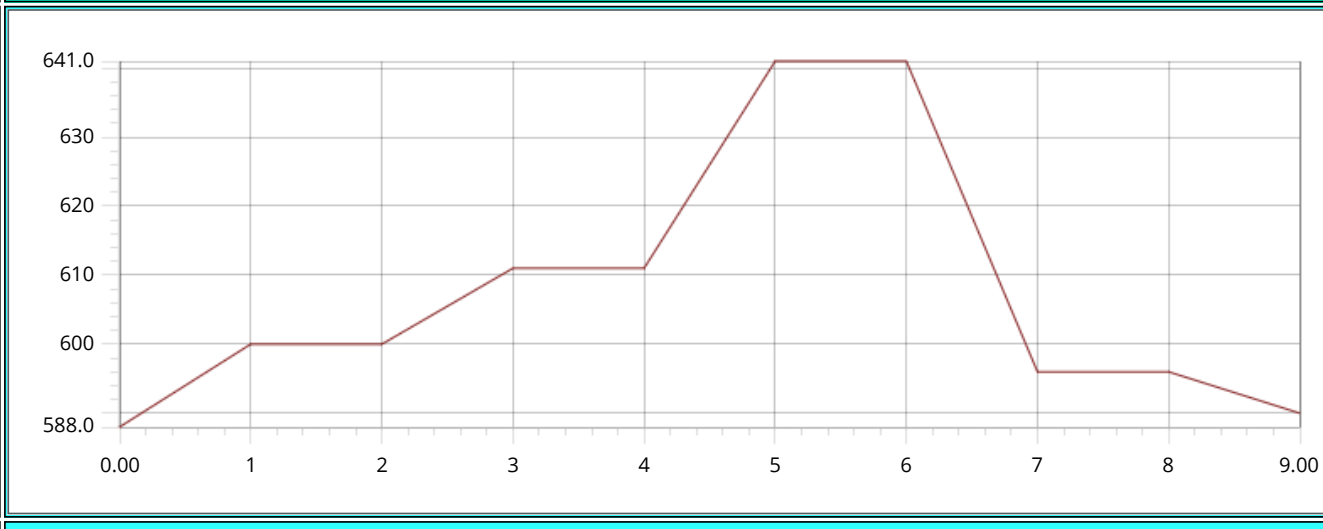
Tripped	
Status:	Done
Register Value:	No Trip

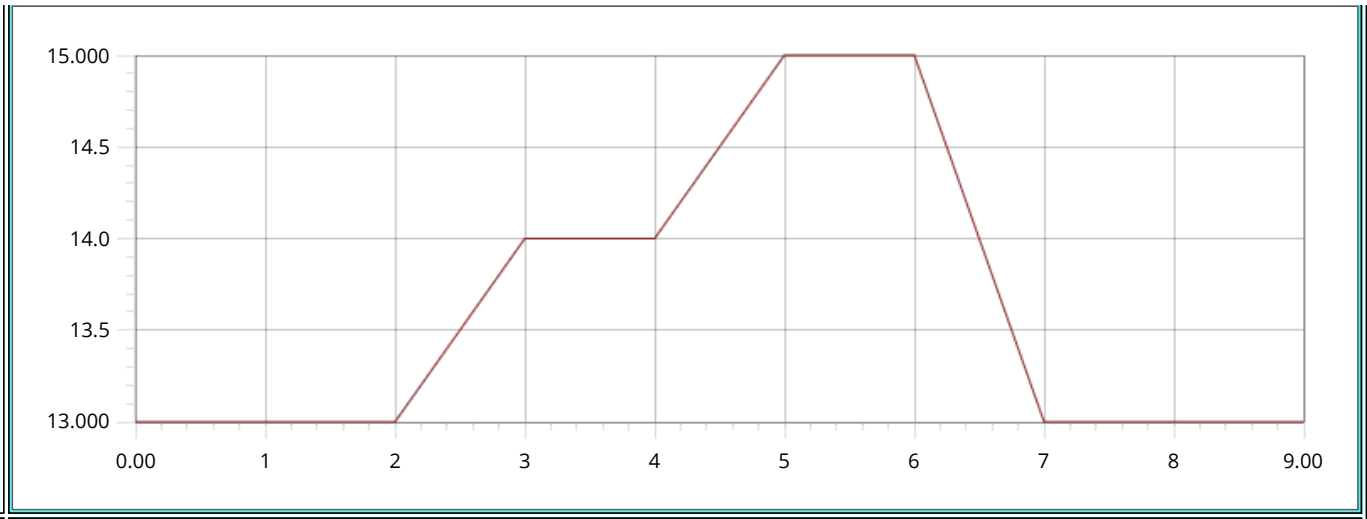
Test Tripped	
Status:	Passed

TIME Tripped	
Status:	Done
Time Tripped before:	000101000000

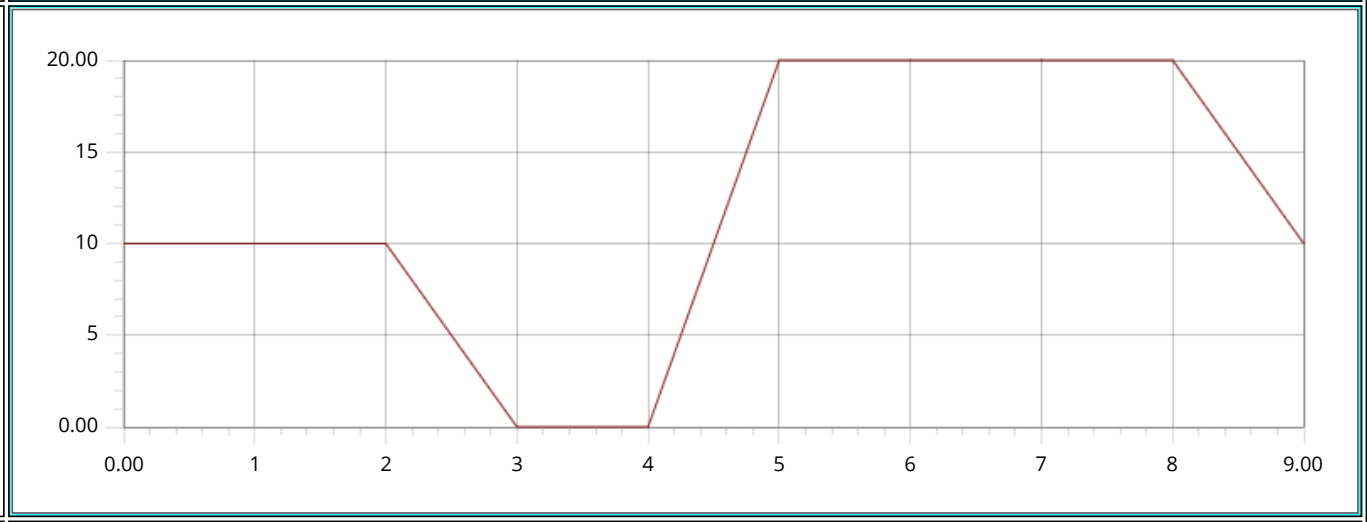
TIME Tripped	
Status:	Done
Time Tripped after:	000101000008

Time tripped check	
Status:	Passed

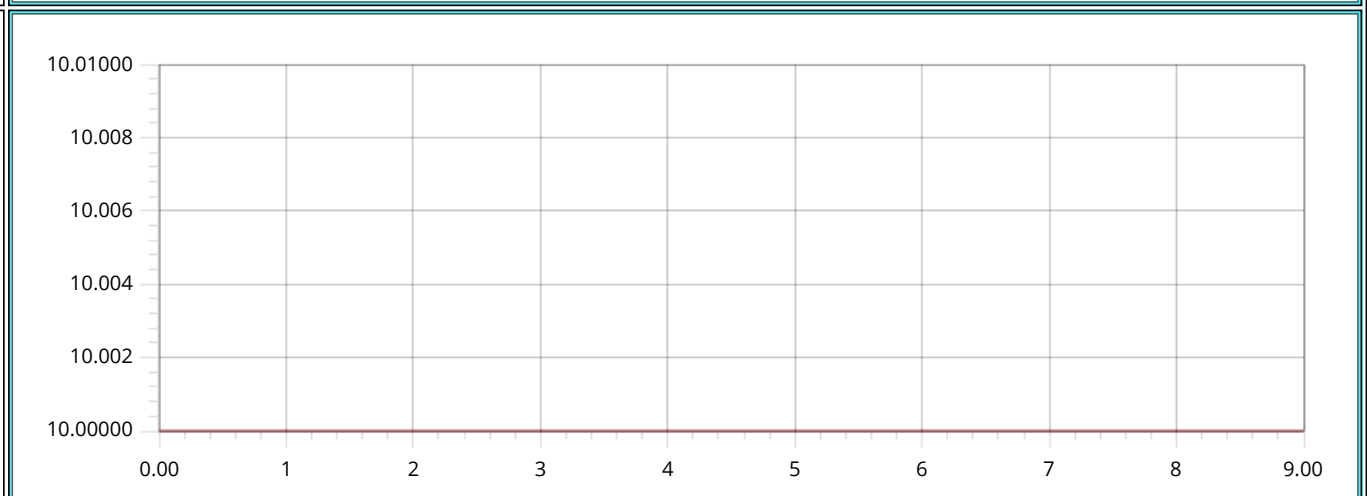
Maneuvre parameters graphs	
Status:	Done
Peak current in mA[0..9]:	
Motor torque in mN-m[0..9]:	



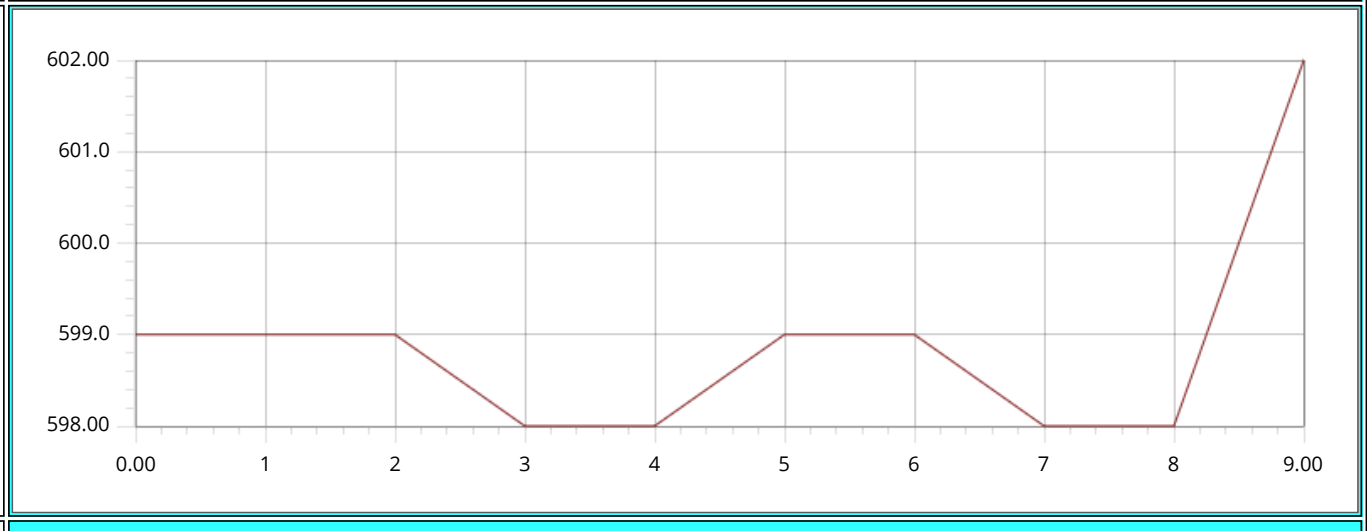
Time to max torque in ms[0..9]:



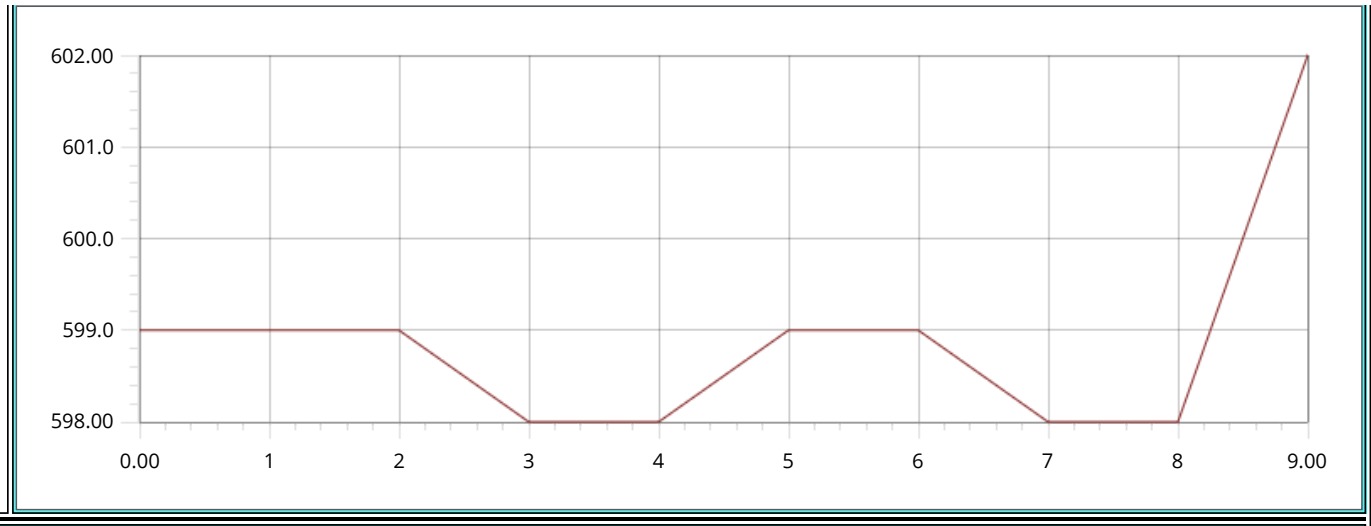
Peak torque toggle angle in degree[0..9]:



Closing time in ms[0..9]:



Opening time in ms[0..9]:



Maneuver attempt ongoing	
Status:	Done
Register Value:	No Maneuver

Test Maneuvre ongoing	
Status:	Passed

Parallel Call - Read loop	
Status:	Done
Module Time:	0.0031611

Meneuvre Ongoing test	
Status:	Passed

Maneuvre Ongoing Results	
Status:	Done
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
Register Value:	No Maneuver

Test Maneuvre ongoing	
Status:	Passed

Parallel Call - Read loop	
Status:	Done
Module Time:	0.0019676

Meneuvre Ongoing test	
Status:	Passed

Maneuvre Ongoing Results	
Status:	Done
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
Register Value:	No Maneuver
Test Maneuvre ongoing	
Status:	Passed
Total Number of maneuvre	
Status:	Done
Register Value:	50
Total Number of closing maneuvre	
Status:	Done
Register Value:	26
Total Number of maneuver	
Status:	Done
Register Value:	70
Test total number maneuvre	
Status:	Passed
Total Number of closing maneuver	
Status:	Done
Register Value:	36
Test total number closing	
Status:	Passed
Output 1	
Status:	Done
Register Value:	MOD lever open
Test Output1	
Status:	Passed
Output 2	
Status:	Done
Register Value:	Lock-out state not-active
Test output 2	
Status:	Passed
Input 1	
Status:	Done
Register Value:	Not Active
Test Input 1	
Status:	Passed
Input 2	
Status:	Done
Register Value:	Not Active
Test Input 2	
Status:	Passed
Output 1	
Status:	Done
Register	MOD lever close

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

Value:	

Test output 2	
Status:	Passed

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

TIME Power Fail	
Status:	Done
Time Power Fail before:	FFFFFFFFFFFF
TIME Power Fail	
Status:	Done
Time Power Fail after:	FFFFFFFFFFFF
Time power fail	
Status:	Failed

LAST DEMANDED COMMAND FAILED PF	
Status:	Done
Register Value:	All command completed
Test last demanded command	
Status:	Passed
LAST DEMANDED COMMAND FAILED PF	
Status:	Done

Register Value:	All command completed

Test last demanded command	
Status:	Passed

Parallel Call - Read loop power fail	
Status:	Done
Module Time:	0.0026288

Meneuvre power fail test	
Status:	Passed

Parallel Call - Read loop power fail	
Status:	Done
Module Time:	0.0021122

Meneuvre power fail test	
Status:	Failed

Diagnostic register	
Status:	Done
Register Value:	2

Pass/Fail Test	
Status:	Passed

Diagnostic register	
Status:	Done
Register Value:	1

Pass/Fail Test	
Status:	Passed

Diagnostic register	
Status:	Done
Register Value:	4

Pass/Fail Test	
Status:	Passed

Product type number ID MOD	
Status:	Done
Register Value:	MOD LOW VOLTAGE

Product type number ID COMM	
Status:	Done
Register Value:	COMM1_RS485

Product Type MOD	
Status:	Done
Product Type MOD:	4D4F445F4C56FFFFFFFFFFFFFFFFFF

Product Type COMM	
Status:	Done
Product Type COMM:	''

Serial Number MOD	
Status:	Done
Serial Number MOD:	FFFFFFFFFFFFFFFFFFF

Serial Number COMM	
Status:	Done
Serial Number COMM:	FFFFFFFFFFFFFFFFFFF

FW Version MOD	
Status:	Done
FW Version MOD:	56010708

FW Version COMM	
Status:	Done
FW Version COMM:	42030100
Modbus RTU parameter Slave Address	
Status:	Done
Register Value:	1
Modbus RTU parameter Baud Rate	
Status:	Done
Register Value:	19200
Modbus RTU parameter Parity	
Status:	Done
Register Value:	EVEN

End Sequence: Modbus Register check

Modbus settings check	
Status:	Skipped
COMM LED & Button	
Status:	Skipped
Eprom test	
Status:	Passed
Module Time:	668.7268691

Begin Sequence: Eprom writing
(C:\Users\itlavit1\OneDrive - ABB\LabRnD_Shared\TestStand\Sequences\MOD\General_test.seq)

Additional Results	
Status:	Done
PopupString:	Check that all the funcionalities of the Device are still working.
Status:	Passed

Additional Results	
Status:	Done
PopupString:	Check that all the funcionalities of the Device are still working.
Status:	Passed
Additional Results	
Status:	Done
PopupString:	Check that all the funcionalities of the Device are still working.
Status:	Passed
Additional Results	
Status:	Done
PopupString:	Check that all the funcionalities of the Device are still working.
Status:	Passed

End Sequence: Eprom writing

Firmware Upgrade	
Status:	Skipped

End Sequence: MainSequence

End UUT Report