UUT Report

Station ID:	**IT-W-7303101**
Serial Number:	**NONE**
Date:	**mercoledì 8 novembre 2023**
Time:	**08:16:41**
Operator:	**administrator**
Execution Time:	**2962.8710109 seconds**
Number of Results:	**1228**
UUT Result:	**Failed**
Product:	**ARI-30**
Product type:	**ARI-30**
Comm type:	**COMM1_RS485**
Product FW Version:	**56010807**
Comm FW Version:	**56010000**
Failure Chain:	

Step	Sequence	Sequence File
Meneuvre power fail test	Modbus Register check	General_test.seq
Modbus Register check	MainSequence	General_test.seq

Begin Sequence: MainSequence
(C:\Users\ITLUBAR5\ABB\LABRND VITTUONE - LabRnD_Shared\TestStand\Sequences\MOD\General_test.seq)

Double_trip_ARI_blocked	
Status:	Skipped

Simultaneous trip_open	
Status:	Skipped

General and Architecture and LED	
Status:	Skipped

Input-Output	
Status:	Skipped

Power Outage	
Status:	Skipped

Motor Driver	
Status:	Skipped

Modbus Register check	
Status:	Failed
Module Time:	2949.9486724

Begin Sequence: Modbus Register check
(C:\Users\ITLUBAR5\ABB\LABRND VITTUONE - 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

Additional Results	
Status:	Done
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
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 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	Disable

Value:	

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

Reclosing attempts	
Status:	Done
Register Value:	3

Waiting time among reclosing	
Status:	Done
Register Value:	30

Neutralization time	
Status:	Done
Register Value:	12

Additional Results	
Status:	Done
PopupString:	Check that the ARI entered the Lock state with the prefixed settings.
Status:	Passed

Reclosing attempts	
Status:	Done
Register Value:	5

Test Update Reclosing attempts	
Status:	Passed

Waiting time among reclosing	
Status:	Done
Register Value:	5

Test Update Time among reclosing	
Status:	Passed

Neutralization time	
Status:	Done
Register Value:	45

Test Update Neutralization time	
Status:	Passed

Additional Results	
Status:	Done
PopupString:	Check that the ARI entered the Lock state with the new settings.
Status:	Passed

Additional Results	
Status:	Done
PopupString:	Check that the ARI entered the Lock state with the new settings.
Status:	Passed

Additional Results	
Status:	Done
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
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	

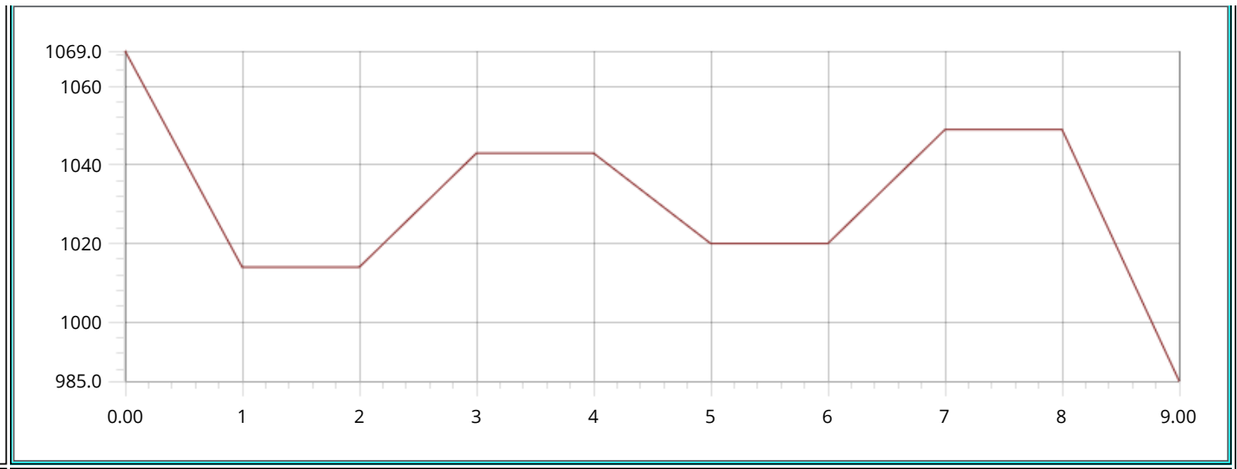
Status:	Done
Register Value:	No Trip
Test Tripped	
Status:	Passed

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:	Trip
Test Tripped	
Status:	Passed

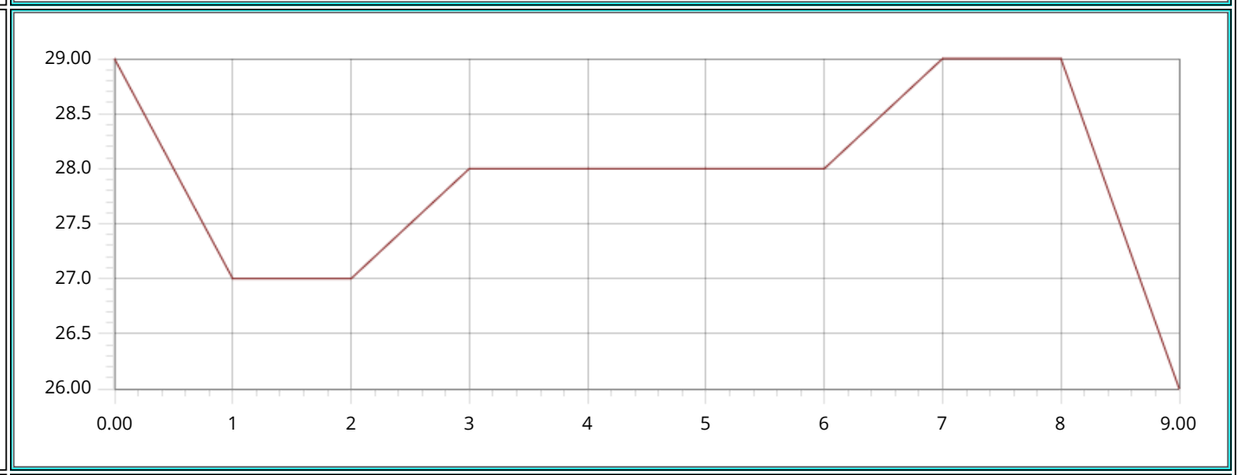
Tripped	
Status:	Done
Register Value:	No Trip
Test Tripped	
Status:	Passed

TIME Tripped	
Status:	Done
Time Tripped before:	000101000000
TIME Tripped	
Status:	Done
Time Tripped after:	000101000010
Time tripped check	
Status:	Passed

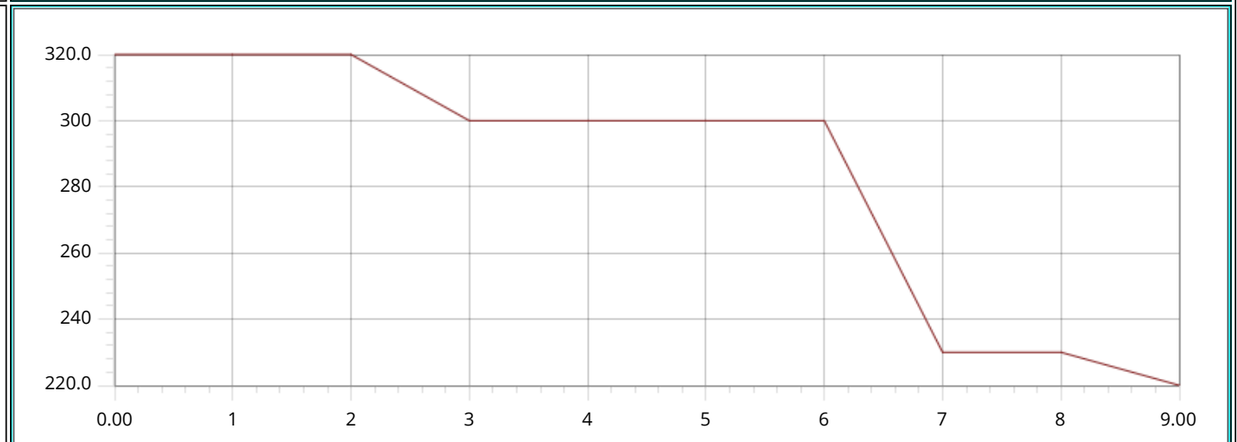
Maneuvre parameters graphs	
Status:	Done
Peak current in mA[0..9]:	



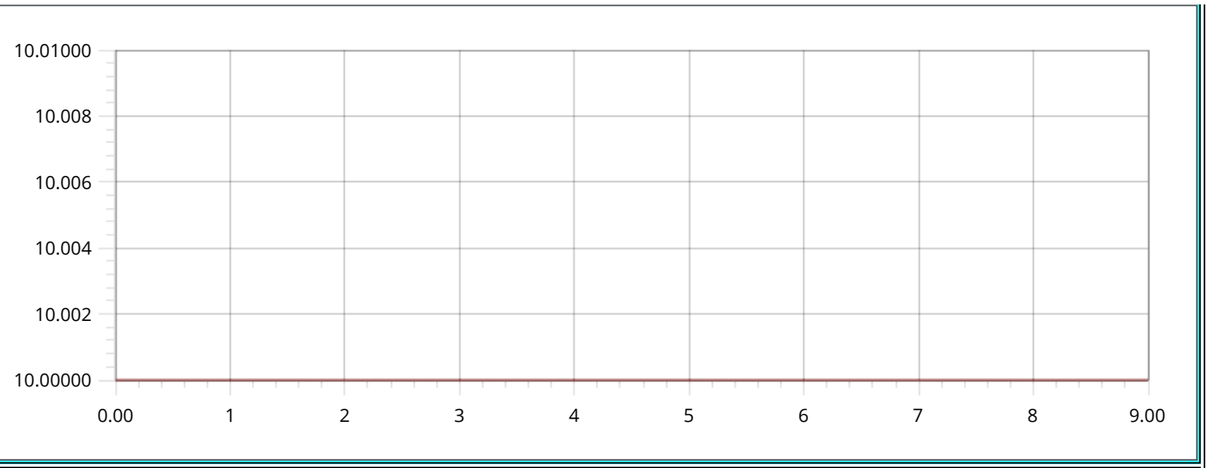
Motor torque in mN-m[0..9]:



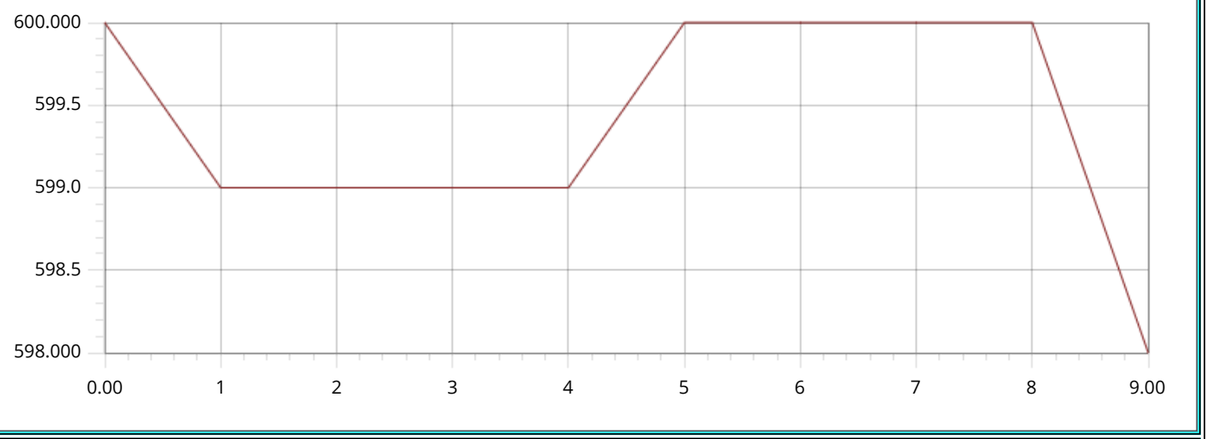
Time to max torque in ms[0..9]:



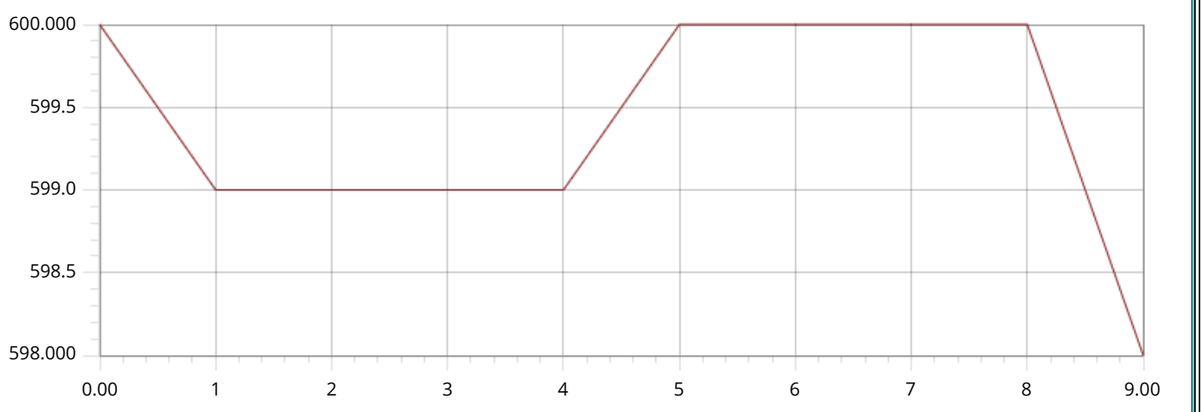
Peak torque toggle angle in degree[0..9]:



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:	0.0028111

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:	0.0050057
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:	77
Total Number of closing maneuvre	
Status:	Done
Register Value:	54
Total Number of maneuver	
Status:	Done
Register Value:	97
Test total number maneuvre	
Status:	Passed
Total Number of closing maneuver	
Status:	Done
Register Value:	64
Test total number closing	
Status:	Passed

Total Number of maneuvre	
Status:	Done
Register Value:	97
Total Number of closing maneuvre	
Status:	Done
Register Value:	64
Total Number of maneuver	
Status:	Done
Register Value:	107

Test total number maneuvre	
Status:	Passed
Measurement:	107
Limits:	
Low:	107
Comparison Type:	EQ (==)

Total Number of closing maneuver	
Status:	Done
Register Value:	74

Test total number closing	
Status:	Passed
Measurement:	74
Limits:	
Low:	74
Comparison Type:	EQ (==)

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 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:	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 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 Value:	MOD lever open
Test Output1	
Status:	Passed
Output 2	
Status:	Done
Register Value:	Lock state
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:	000101000312
TIME Power Fail	
Status:	Done
Time Power Fail after:	000101001446
Time power fail	

Status:	Passed

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:	0.0056995
Meneuvre power fail test	
Status:	Passed
Parallel Call - Read loop power fail	
Status:	Done
Module Time:	0.0018502
Meneuvre power fail test	
Status:	Passed
Meneuvre power fail test	
Status:	Failed
Meneuvre power fail test	
Status:	Failed
Parallel Call - Read loop power fail	
Status:	Done
Module Time:	0.0016463
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:	2
Pass/Fail Test	
Status:	Passed
Diagnostic register	
Status:	Done
Register Value:	8

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:	ARI-30

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

Product Type MOD	
Status:	Done
Product Type MOD:	ARI_30ÿÿÿÿÿÿÿÿÿÿ

Product Type COMM	
Status:	Done
Product Type COMM:	COMM1_RS485

Serial Number MOD	
Status:	Done
Serial Number MOD:	ÿÿÿÿÿ

Serial Number COMM	
Status:	Done
Serial Number COMM:	ÿÿÿÿÿ

FW Version MOD	
Status:	Done
FW Version MOD:	V□

FW Version COMM	
Status:	Done
FW Version COMM:	V□

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

Firmware Upgrade	

Status:	Skipped

End Sequence: MainSequence

End UUT Report