### **UUT Report**

Station ID: IT-W-7303101

Serial Number: NONE

Date: venerdì 17 novembre 2023

Time: 11:39:40
Operator: administrator

Execution Time: 750.0891021 seconds

Number of Results: 442
UUT Result: Failed
Product: MOD LV
Product type: MOD LV

Comm type: COMM1\_RS485

Product FW Version: 56010809 Comm FW Version: 56010000

Failure Chain:

Step	Seduence	Sequence File
	Close command and switches open - during command	FMEA.seq
Close command and switches open - during command	MainSequence	FMEA.seq

Begin Sequence: MainSequence

(C:\Users\itlavit1\OneDrive - ABB\LabRnD\_Shared\TestStand\Sequences\MOD\FMEA.seq)

Initial state closed		
Status:	Skipped	
Close command and Switch1 closed - Switch2 open - before command		
Status:	Passed	
Module Time:	38.8246703	

 $\label{lem:begin Sequence: Close command and Switch1 closed - Switch2 open - before command (C:\Users\tand\Delta - ABB\LabRnD\_Shared\TestStand\Sequences\MOD\FMEA.seq)}$ 

Closed - Open - Active - ON - LOG		
Status:	Done	
Switch 1:	True	
Swtich 2:	False	
Comm Close LOG		
Status:	Done	
Closed - Open - Active - ON - LOG		
Status:	Done	
Switch 1:	True	
Swtich 2:	False	
Closed - Open - Active - ON - LOG		
Status:	Done	
Switch 1:	True	
Swtich 2:	False	
Read Outputs LOG		
Status:	Done	
Output_1_SIG:	False	
Output_2_AUX:	True	

Additional Results	
IAdditional Results	
Additional Results	

Status:	Done
Configuration:	How is the status of LED?
Fix_Green:	FIX GREEN
Additional Results	
Status:	Done
Configuration:	How is the status of MDP?
Status:	UNLOCKED

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	Command was not executed

End Sequence: Close command and Switch1 closed - Switch2 open - before command

Open command and Switch1 open - Switch2 closed - before command	
Status:	Passed
Module Time:	34.5595581

 $\label{lem:begin Sequence: Open command and Switch1 open - Switch2 closed - before command (C:\Users\tand\Sequences\MOD\FMEA.seq) \\$ 

Open - Closed - Active - ON - LOG		
Status:	Done	
Switch 1:	False	
Swtich 2:	True	
Comm Open LOG		
Status:	Done	
Open - Closed - Active - ON - LOG		
Status:	Done	
Switch 1:	False	
Swtich 2:	True	
Closed - Open - Active - ON - LOG		
Status:	Done	
Switch 1:	True	
Swtich 2:	False	
Read Outputs LOG		
Status:	Done	
Output_1_SIG:	False	
Output_2_AUX:	True	

Additional Results		
Status:	Done	
Configuration:	How is the status of LED?	
Fix Green:	FIX GREEN	
<u> </u>	i i i i i i i i i i i i i i i i i i i	
Additional Results	Jun Street	
	Done	
Additional Results		

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	Command was not executed

Close command and switches open - during command	
Status:	Failed
Module Time:	42.2856324

Begin Sequence: Close command and switches open - during command (C:\Users\itlavit1\OneDrive - ABB\LabRnD\_Shared\TestStand\Sequences\MOD\FMEA.seq)

Open - Closed - Active - ON - LOG		
Status:	Done	
Switch 1:	False	
Swtich 2:	True	
Comm Close LOG		
Status:	Done	
Open - Open - Active - ON - LOG		
Status:	Done	
Switch 1:	False	
Swtich 2:	False	
Check Outputs		
Status:	Failed	
Configuration:	Close command and failure switch 1	
Output_1_SIG:	False	
Output_2_AUX:	True	

Additional Results		
Status:	Done	
Configuration:	How is the status of LED?	
Fix_Red:	FIX RED	
Additional Results		
Additional Results		
Additional Results Status:	Done	
Status:	Done How is the status of MDP?	

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	Device executes the command, then from closing position opens with a TRIP

End Sequence: Close command and switches open - during command

Close command and switches closed - during command	
Status:	Passed
Module Time:	36.8974115

 $\label{lem:begin Sequence: Close command and switches closed - during command (C:\Users\tand\Delta - ABB\LabRnD\_Shared\TestStand\Sequences\MOD\FMEA.seq)} \\$ 

Open - Closed - Active - ON - LOG		
Status:	Done	
Switch 1:	False	
Swtich 2:	True	
Comm Close LOG		
Status:	Done	
Closed - Closed - Active - ON - LOG		
Status:	Done	
Switch 1:	True	
Swtich 2:	True	

Check Outputs	
Status:	Passed
Configuration:	Close command and failure switch 2
Output_1_SIG:	False
Output_2_AUX:	False

Additional Results		
Status:	Done	
Configuration:	How is the status of LED?	
Fix_Green:	FIX GREEN	
Additional Results		
Additional Results		
Additional Results Status:	Done	
	Done How is the status of MDP?	

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	Close command executed, but from closed position we have an open command

End Sequence: Close command and switches closed - during command

Open command and switches closed	
Status:	Passed
Module Time:	19.8532074

 $\label{lem:begin Sequence: Open command and switches closed - during command (C:\Users\tilavit1\OneDrive - ABB\LabRnD\_Shared\TestStand\Sequences\MOD\FMEA.seq)} \\$ 

Closed - Open - Active - ON - LOG		
Status:	Done	
Switch 1:	True	
Swtich 2:	False	
Comm Open LOG		
Status:	Done	
Closed - Closed - Active - ON - LOG		
Status:	Done	
Switch 1:	True	
Swtich 2:	True	
Check Outputs		
Status:	Passed	
Configuration:	Open command and failure switch 1	
Output_1_SIG:	False	
Output_2_AUX:	False	

Additional Results	
Status:	Done
Configuration:	How is the status of LED?
Fix Green:	FIX GREEN
	12/CONCERT
Additional Results	I DY GYCETY
	Done
Additional Results	

Additional Results	
Status:	Done

Configuration:	Additional notes
Status:	Command not executed

### End Sequence: Open command and switches closed - during command

Open command and switches open	
Status:	Failed
Module Time:	24.8646893

Begin Sequence: Open command and switches open - during command (C:\Users\itlavit1\OneDrive - ABB\LabRnD\_Shared\TestStand\Sequences\MOD\FMEA.seq)

Closed - Open - Active - ON - LOG	
Status:	Done
Switch 1:	True
Swtich 2:	False
Comm Open LOG	
Status:	Done
Open - Open - Active - ON - LOG	
Status:	Done
Switch 1:	False
Swtich 2:	False
Check Outputs	
Status:	Failed
Configuration:	Open command and failure switch 2
Output_1_SIG:	False
Output_2_AUX:	True

Additional Results	
Status:	Done
Configuration:	How is the status of LED?
Fix_Green:	FIX GREEN
Additional Results	
Additional Results	
Additional Results Status:	Done
	Done How is the status of MDP?

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	Opening command executed

#### End Sequence: Open command and switches open - during command

TRIP true	
Status:	Passed
Module Time:	73.8455763

## Begin Sequence: TRIP nominal conditions (C:\Users\itlavit1\OneDrive - ABB\LabRnD\_Shared\TestStand\Sequences\MOD\FMEA.seq)

Closed - Open - Active - ON - LOG	
Status:	Done
Switch 1:	True
Swtich 2:	False

Enable Outputs LOG	
Status:	Done
Open - Closed - Active - ON - LOG	
Status:	Done
Switch 1:	False
Swtich 2:	True
Disable Outputs LOG	
Status:	Done
Check Outputs	
Status:	Passed
Configuration:	TRIP true
Output_1_SIG:	False
Output_2_AUX:	False

Additional Results	
Status:	Done
Configuration:	How is the status of LED?
Fix_Green:	FIX GREEN
Additional Results	
Status:	Done
Configuration:	How is the status of MDP?
Status:	UNLOCKED
Additional Results	
Status:	Done
Configuration:	How is the status of ARI?
open_ari:	OPEN

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	Trip was not detected as a trip and motor wasn't moving

### **End Sequence: TRIP nominal conditions**

Initial state closed		
Status:	Skipped	

TRIP both switches open	
Status:	Failed
Module Time:	25.8679868

# Begin Sequence: TRIP both switches open (C:\Users\itlavit1\OneDrive - ABB\LabRnD\_Shared\TestStand\Sequences\MOD\FMEA.seq)

Classed Ones Astine ON LOC	
Closed - Open - Active - ON - LOG	
Status:	Done
Switch 1:	True
Swtich 2:	False
Enable Outputs LOG	
Status:	Done
Open - Open - Active - ON - LOG	
Open - Open - Active - ON - LOG Status:	Done
	Done False
Status:	
Status: Switch 1:	False

Open - Closed - Active - ON - LOG		
Status:	Done	
Switch 1:	False	
Swtich 2:	True	
Check Outputs		
Status:	Failed	
Configuration:	TRIP both switches open	
Output_1_SIG:	True	
Output_2_AUX:	True	

Additional Results		
Status:	Done	
Configuration:	How is the status of LED?	
Fix_Red:	FIX RED	
Additional Results		
Status:	Done	
Configuration:	How is the status of MDP?	
Status:	UNLOCKED	
Additional Results		
Status:	Done	
Configuration:	How is the status of ARI?	
open_ari:	OPEN	

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	Trip detected

End Sequence: TRIP both switches open

Initial state closed	
Status:	Skipped

TRIP both switches closed	
Status:	Passed
Module Time:	35.6429702

 $\label{lem:begin Sequence: TRIP both switches closed $$(C:\Users\t1\OneDrive - ABB\LabRnD\_Shared\TestStand\Sequences\MOD\FMEA.seq)$$$ 

Closed - Open - Active - ON - LOG		
Status:	Done	
Switch 1:	True	
Swtich 2:	False	
Enable Outputs LOG		
Status:	Done	
Closed - Closed - Active - ON - LOG		
Status:	Done	
Switch 1:	True	
Swtich 2:	True	
Disable Outputs LOG		
Status:	Done	
Open - Closed - Active - ON - LOG		
Status:	Done	
Switch 1:	False	
Swtich 2:	True	

Check Outputs	
Status:	Passed
Configuration:	TRIP true
Output_1_SIG:	False
Output_2_AUX:	False

Additional Results		
Status:	Done	
Configuration:	How is the status of LED?	
Fix_Green:	FIX GREEN	
Additional Results		
Status:	Done	
Configuration:	How is the status of MDP?	
Status:	UNLOCKED	
Additional Results		
Status:	Done	
Configuration:	How is the status of ARI?	
open_ari:	OPEN	

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	Trip not detected

**End Sequence: TRIP both switches closed** 

Initial state closed	
Status:	Skipped

TRIP - Switch1 open - Switch2 closed	
Status:	Failed
Module Time:	64.206345

 $\label{lem:begin Sequence: TRIP - Switch 1 open - Switch 2 closed (C:\Users\tand\Sequences\MOD\FMEA.seq)} \\$ 

Open - Closed - Active - ON - LOG		
Status:	Done	
Switch 1:	False	
Swtich 2:	True	
Enable Outputs LOG		
Status:	Done	
Open - Closed - Active - ON - LOG		
Status:	Done	
Switch 1:	False	
Swtich 2:	True	
Disable Outputs LOG		
Status:	Done	
Check Outputs		
Status:	Failed	
Configuration:	TRIP true	
Output_1_SIG:	True	
Output_2_AUX:	False	

Additional Results	
Status:	Done

Configuration:	How is the status of LED?	
Fix_Red:	FIX RED	
Additional Results		
Status:	Done	
Configuration:	How is the status of MDP?	
Status:	UNLOCKED	
Additional Results		
Status:	Done	
Configuration:	How is the status of ARI?	
open_ari:	OPEN	

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	Trip not detected but might be because its in blocked position from the previous sequences

End Sequence: TRIP - Switch1 open - Switch2 closed

Initial state closed	
Status:	Skipped

Switch3 - active/no active	
Status:	Failed
Module Time:	89.905729

 $\label{lem:begin Sequence: Switch 3 - active/no active (C:\Users\itlavit1\OneDrive - ABB\LabRnD\_Shared\TestStand\Sequences\MOD\FMEA.seq)} \\$ 

Closed - Open - Active - ON - LOG		
Status:	Done	
Switch 1:	True	
Swtich 2:	False	
Switch 3:	True	
Comm Open LOG		
Status:	Done	
Open - Closed - NOActive - ON - LOG		
Status:	Done	
Switch 1:	False	
Swtich 2:	True	
Switch 3:	False	
Check Outputs		
Status:	Failed	
Configuration:	Close command and failure switch 1	
Output_1_SIG:	False	
Output_2_AUX:	True	

Additional Results	
Status:	Done
Configuration:	How is the status of LED?
Blinking_green:	BLINKING GREEN
Additional Results	7.
Additional Results Status:	Done
	Done  How is the status of MDP?

Additional Results	

Status:	Done	
Configuration:	Additional notes	
Status:	Open command executed	
Open - Closed - Active - ON - LOG		
Status:	Done	
Switch 1:	False	
Swtich 2:	True	
Switch 3:	True	
Comm Close LOG		
Status:	Done	
Closed - Open - NOActive - ON - LOG		
Status:	Done	
Switch 1:	True	
Swtich 2:	False	
Switch 3:	False	
Check Outputs		
Status:	Failed	
Configuration:	Close command and failure switch 1	
Output_1_SIG:	False	
Output_2_AUX:	True	

Additional Results		
Status:	Done	
Configuration:	How is the status of LED?	
Blinking_green:	BLINKING GREEN	
Additional Results		
Additional Results		
Additional Results Status:	Done	
	Done How is the status of MDP?	

Additional Results		
Status:	Done	
Configuration:	Additional notes	
Status:	Close command was not executed	
Opening maneuvre		
Status:	Passed	
Module Time:	22.6589258	

 $\label{lem:begin Sequence: Initial State open (C:\Users\itlavit1\OneDrive - ABB\LabRnD\_Shared\TestStand\Sequences\MOD\FMEA.seq)} \\$ 

Closed - Open - Active - ON - LOG		
Status:	Done	
Switch 1:	True	
Swtich 2:	False	
Comm Open LOG		
Status:	Done	
Open - Closed - Active - ON - LOG		
Status:	Done	
Switch 1:	False	
Swtich 2:	True	
Closed - Open - Active - ON - LOG		
Status:	Done	
Switch 1:	True	
Swtich 2:	False	
Read Outputs LOG		

Status:	Done
Output_1_SIG:	False
Output_2_AUX:	True

Additional Results	
Status:	Done
Configuration:	How is the status of LED?
Fix_Green:	FIX GREEN
Additional Results	
	Done
Status:	Done How is the status of MDP?

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	"

**End Sequence: Initial State open** 

Closed - Open - NoActive - ON - LOG	
Status:	Done
Switch 1:	True
Swtich 2:	False
Switch 3:	False
Comm Open LOG	
Status:	Done
Open - Closed - Active - ON - LOG	
Status:	Done
Switch 1:	False
Swtich 2:	True
Switch 3:	True
Check Outputs	
Status:	Passed
Configuration:	Close command and failure switch 1
Output_1_SIG:	False
Output_2_AUX:	False

Additional Results	
Status:	Done
Configuration:	How is the status of LED?
Fix_Green:	FIX GREEN
Additional Results	
Additional Results	
Additional Results Status:	Done
	Done  How is the status of MDP?

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	Command not executed
Open - Closed - NoActive - ON - LOG	
Status:	Done
Switch 1:	False
Swtich 2:	True
Switch 3:	False
Comm Close LOG	

Status:	Done	
Closed - Open - Active - ON - LOG		
Status:	Done	
Switch 1:	True	
Swtich 2:	False	
Switch 3:	True	
Check Outputs		
Status:	Failed	
Configuration:	Close command and failure switch 1	
Output_1_SIG:	False	
Output_2_AUX:	True	

Additional Results	
Status:	Done
Configuration:	How is the status of LED?
Fix_Green:	FIX GREEN
Additional Results	
Additional Results Status:	Done
	Done How is the status of MDP?

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	Command not executed

End Sequence: Switch3 - active/no active

RCCB trip - toggle blocked in closed position	
Status:	Skipped
RCCB trip - toggle blocks during open manoeuvre	
Status:	Skipped
Open command - toggle blocks during open manoeuvre	
Status:	Skipped
Open command - toggle blocked in closed position	
Status:	Skipped
Close command - toggle blocks during close manoeuvre	
Status:	Skipped
Close command - toggle blocked in open position	
Status:	Skipped

**End Sequence: MainSequence** 

### **End UUT Report**