

UUT Report

Station ID: IT-W-7303101  
Serial Number: NONE  
Date: venerdì 17 novembre 2023  
Time: 10:38:25  
Operator: administrator  
Execution Time: 668.3983965 seconds  
Number of Results: 444  
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	Sequence	Sequence File
<a href="#">Check Outputs</a>	Close command and switches open - during command	FMEA.seq
<a href="#">Close command and switches open - during command</a>	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:	63.7263261

Begin Sequence: Close command and Switch1 closed - Switch2 open - before command  
(C:\Users\itlavit1\OneDrive - ABB\LabRnD\_Shared\TestStand\Sequences\MOD\FMEA.seq)

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

Additional Results
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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:	The 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:	39.5684994

**Begin Sequence: Open command and Switch1 open - Switch2 closed - before command**  
(C:\Users\itlavit1\OneDrive - ABB\LabRnD\_Shared\TestStand\Sequences\MOD\FMEA.seq)

Open - Closed - Active - ON - LOG	
Status:	Done
Switch 1:	False
Switch 2:	True
Comm Open LOG	
Status:	Done
Open - Closed - Active - ON - LOG	
Status:	Done
Switch 1:	False
Switch 2:	True
Closed - Open - Active - ON - LOG	
Status:	Done
Switch 1:	True
Switch 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	
Status:	Done
Configuration:	How is the status of MDP?
Status:	UNLOCKED

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	The command was not executed

**End Sequence: Open command and Switch1 open - Switch2 closed - before command**

Close command and switches open - during command	
Status:	Failed
Module Time:	70.4574934

**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
Switch 2:	True
Comm Close LOG	
Status:	Done
Open - Open - Active - ON - LOG	
Status:	Done
Switch 1:	False
Switch 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	
Status:	Done
Configuration:	How is the status of MDP?
Status:	UNLOCKED

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	The device closes, and with the microswitch fail, opens with trip

**End Sequence: Close command and switches open - during command**

Close command and switches closed - during command	
Status:	Passed
Module Time:	41.01037

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

Open - Closed - Active - ON - LOG	
Status:	Done
Switch 1:	False
Switch 2:	True
Comm Close LOG	
Status:	Done
Closed - Closed - Active - ON - LOG	
Status:	Done
Switch 1:	True
Switch 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	
Status:	Done
Configuration:	How is the status of MDP?
Status:	UNLOCKED

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	The device closes. but with microswitch failure, then it opens

**End Sequence: Close command and switches closed - during command**

Open command and switches closed	
Status:	Passed
Module Time:	29.6593169

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

Closed - Open - Active - ON - LOG	
Status:	Done
Switch 1:	True
Switch 2:	False
Comm Open LOG	
Status:	Done
Closed - Closed - Active - ON - LOG	
Status:	Done
Switch 1:	True
Switch 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
Additional Results	
Status:	Done
Configuration:	How is the status of MDP?
Status:	UNLOCKED

Additional Results	
Status:	Done

Configuration:	Additional notes
Status:	The command was not executed

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

Open command and switches open	
Status:	Failed
Module Time:	21.7136349

**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
Switch 2:	False
Comm Open LOG	
Status:	Done
Open - Open - Active - ON - LOG	
Status:	Done
Switch 1:	False
Switch 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	
Status:	Done
Configuration:	How is the status of MDP?
Status:	UNLOCKED

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	The opening command was executed

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

TRIP true	
Status:	Passed
Module Time:	58.75017

**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
Switch 2:	False

Enable Outputs LOG	
Status:	Done
Open - Closed - Active - ON - LOG	
Status:	Done
Switch 1:	False
Switch 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:	The device opened but not with a trip

**End Sequence: TRIP nominal conditions**

Initial state closed	
Status:	Skipped

TRIP both switches open	
Status:	Failed
Module Time:	25.1891184

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

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

Check Outputs	
Status:	Failed
Configuration:	TRIP both switches open
Output_1_SIG:	True
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:	The trip worked fine

**End Sequence: TRIP both switches open**

Initial state closed	
Status:	Skipped

TRIP both switches closed	
Status:	Passed
Module Time:	20.8433088

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

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

**End Sequence: TRIP both switches closed**

Initial state closed	
Status:	Skipped

TRIP - Switch1 open - Switch2 closed	
Status:	Passed
Module Time:	34.4890491

**Begin Sequence: TRIP - Switch1 open - Switch2 closed**  
**(C:\Users\itlavit1\OneDrive - ABB\LabRnD\_Shared\TestStand\Sequences\MOD\FMEA.seq)**

Open - Closed - Active - ON - LOG	
Status:	Done
Switch 1:	False
Switich 2:	True
Enable Outputs LOG	
Status:	Done
Open - Closed - Active - ON - LOG	
Status:	Done
Switch 1:	False
Switich 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:	The trip happened, but opening was not commanded

**End Sequence: TRIP - Switch1 open - Switch2 closed**

Initial state closed	
Status:	Skipped

Switch3 - active/no active	
Status:	Failed
Module Time:	112.6383795

**Begin Sequence: Switch3 - 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
Switch 2:	False
Switch 3:	True
Comm Open LOG	
Status:	Done
Open - Closed - NOActive - ON - LOG	
Status:	Done
Switch 1:	False
Switch 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	
Status:	Done
Configuration:	How is the status of MDP?
Status:	UNLOCKED

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	The command was executed
Open - Closed - Active - ON - LOG	
Status:	Done
Switch 1:	False
Switch 2:	True
Switch 3:	True

Comm Close LOG	
Status:	Done
Closed - Open - NOActive - ON - LOG	
Status:	Done
Switch 1:	True
Switch 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_red:	BLINKING RED
Additional Results	
Status:	Done
Configuration:	How is the status of MDP?
Status:	UNLOCKED

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	The command was not executed
Opening manœuvre	
Status:	Passed
Module Time:	25.1754319

**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
Switch 2:	False
Comm Open LOG	
Status:	Done
Open - Closed - Active - ON - LOG	
Status:	Done
Switch 1:	False
Switch 2:	True
Closed - Open - Active - ON - LOG	
Status:	Done
Switch 1:	True
Switch 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	
Status:	Done
Configuration:	How is the status of MDP?
Status:	UNLOCKED

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

#### End Sequence: Initial State open

Closed - Open - NoActive - ON - LOG	
Status:	Done
Switch 1:	True
Switch 2:	False
Switch 3:	False
Comm Open LOG	
Status:	Done
Open - Closed - Active - ON - LOG	
Status:	Done
Switch 1:	False
Switch 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	
Status:	Done
Configuration:	How is the status of MDP?
Status:	UNLOCKED

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

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