

## UUT Report

**Station ID:** IT-W-7303101  
**Serial Number:** NONE  
**Date:** lunedì 27 novembre 2023  
**Time:** 10:21:30  
**Operator:** administrator  
**Execution Time:** 442.8316942 seconds  
**Number of Results:** 425  
**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)

Close command and Switch1 closed - Switch2 open - before command	
Status:	Passed
Module Time:	58.1376729

### 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	
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:	"

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

Open command and Switch1 open - Switch2 closed - before command	
Status:	Passed
Module Time:	19.7697355

**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:	LOCKED

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

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

Close command and switches open - during command
--

Status:	Failed
Module Time:	23.3461972

**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:	"

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

Close command and switches closed - during command	
Status:	Passed
Module Time:	12.4087247

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

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

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

Open command and switches closed	
Status:	Passed
Module Time:	13.0028642

**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:	"

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

Open command and switches open	
Status:	Failed
Module Time:	11.884176

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

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

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

TRIP true	
Status:	Passed
Module Time:	13.6642424

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

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

#### End Sequence: TRIP nominal conditions

Initial state closed	
Status:	Skipped

TRIP both switches open	
Status:	Failed
Module Time:	18.4406608

#### Begin Sequence: TRIP both switches 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
Enable Outputs LOG	
Status:	Done
Open - Open - Active - ON - LOG	
Status:	Done
Switch 1:	False
Switch 2:	False
Disable Outputs LOG	
Status:	Done
Open - Closed - Active - ON - LOG	
Status:	Skipped
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:	LOCKED

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

**End Sequence: TRIP both switches open**

Initial state closed	
Status:	Skipped

TRIP both switches closed	
Status:	Passed
Module Time:	26.9052327

**Begin Sequence: TRIP both switches closed**  
(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
Closed - Closed - Active - ON - LOG	
Status:	Done
Switch 1:	True
Switch 2:	True
Disable Outputs LOG	
Status:	Done
Open - Closed - Active - ON - LOG	
Status:	Skipped
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_Red:	FIX RED
Additional Results	
Status:	Done
Configuration:	How is the status of MDP?
Status:	UNLOCKED

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

**End Sequence: TRIP both switches closed**

Initial state closed	
Status:	Skipped

TRIP - Switch1 open - Switch2 closed	
Status:	Failed
Module Time:	13.6377276

**Begin Sequence: TRIP - Switch1 closed - Switch2 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
Enable Outputs LOG	
Status:	Done
Closed - Open - Active - ON - LOG	
Status:	Done
Switch 1:	True
Switch 2:	False
Disable Outputs LOG	
Status:	Done
Check Outputs	
Status:	Failed
Configuration:	TRIP true
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:	LOCKED

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

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

Initial state closed	
Status:	Passed
Module Time:	13.6568376



**Begin Sequence: Initial State closed**  
**(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 - 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	
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:	LOCKED

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

**End Sequence: Initial State closed**

Switch3 - active/no active	
Status:	Failed
Module Time:	37.1681171

**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:	LOCKED

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	"
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_green:	BLINKING GREEN
Additional Results	
Status:	Done
Configuration:	How is the status of MDP?
Status:	LOCKED

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	"
Opening manœuvre	
Status:	Skipped
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
Swich 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?
Blinking_green:	BLINKING GREEN
Additional Results	
Status:	Done
Configuration:	How is the status of MDP?
Status:	LOCKED

Additional Results	
Status:	Done
Configuration:	Additional notes
Status:	"
Open - Closed - NoActive - ON - LOG	
Status:	Done
Switch 1:	False
Swich 2:	True
Switch 3:	False
Comm Close LOG	
Status:	Done
Closed - Open - Active - ON - LOG	
Status:	Done
Switch 1:	True
Swich 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?
Blinking_green:	BLINKING GREEN
Additional Results	
Status:	Done
Configuration:	How is the status of MDP?
Status:	LOCKED

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

**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**

---