Replace the defect contactor

Does this solve the problem?

1] Yes

2] No

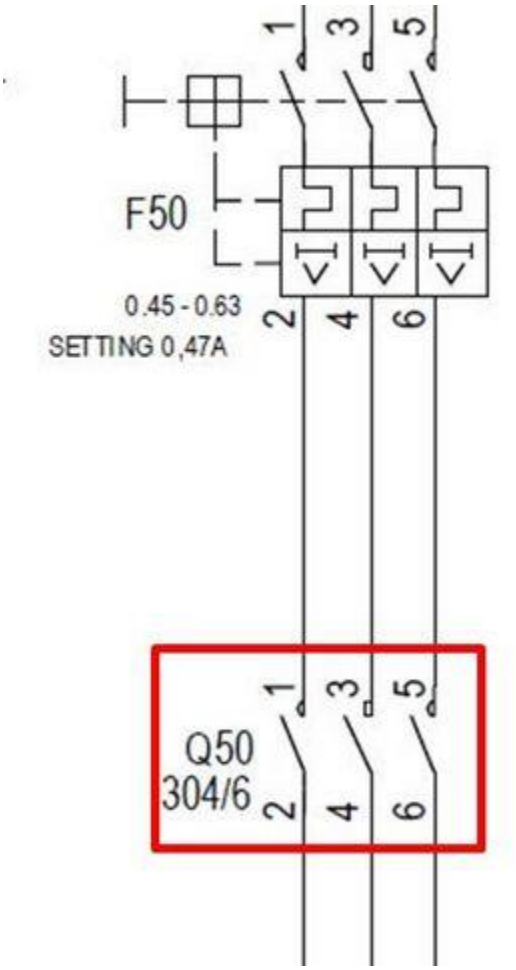
3] I don't know

- **Explanation**

ATTENTION: LOTO caution for this guide. This guide requires that the technician inspect components inside a cabinet that contains 600/690 VAC.

IN THE AT2 CABINET:

Check the contactor function Q50.



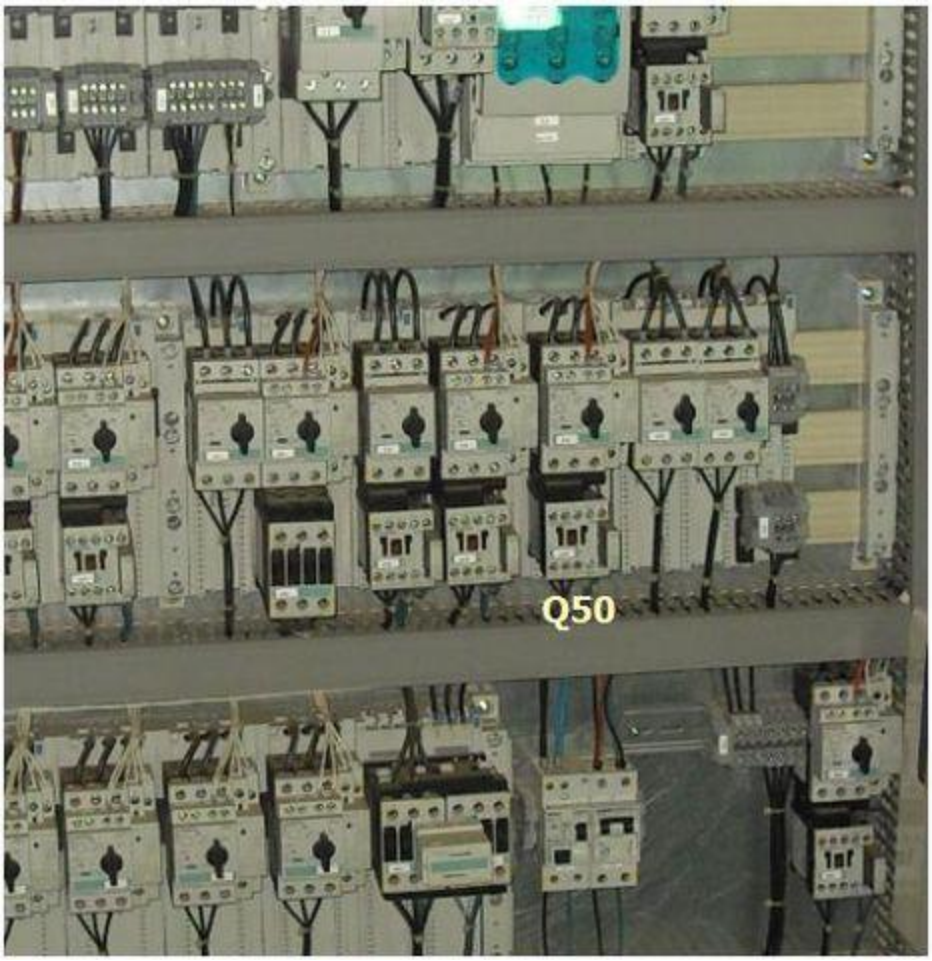
Check the INPUT/ OUTPUT voltage

Check the loose connection in the terminals,

Replace the contactor if defective.

Check the contactor internals for dust or corrosion and clean with approved contact cleaner.

Relevant spare parts	
Description	**Item No.**
CLEANER F CONTACT 7039 400 ml	60039443
CONT 3RT10161AP02 230V 50/60HZ	60004394



Replace the defect TOI

Does this solve the problem?

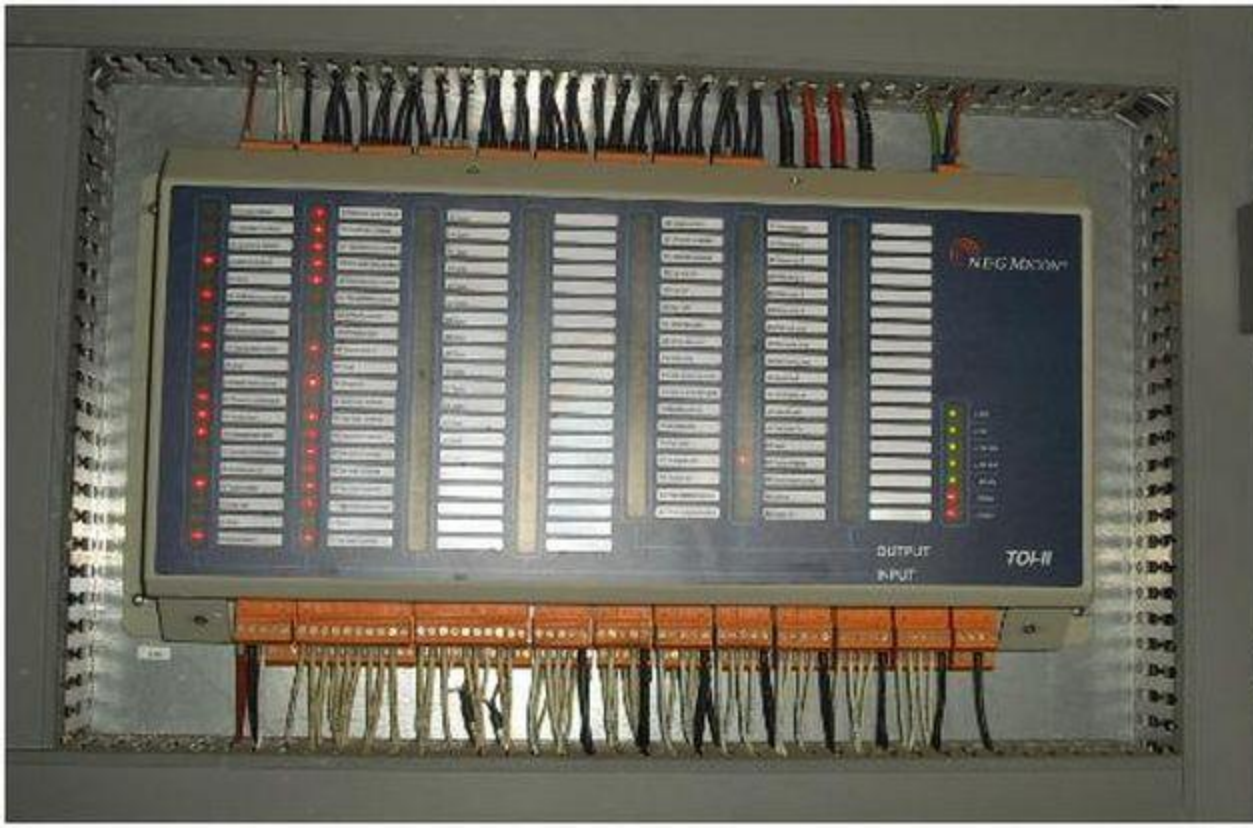
1] Yes

2] No

3] I don't know

- **Explanation**
  IN THE AT2 CABINET:

  Check the TOI output (RELAY OUTPUT 830 -833)



Replace the defect MCB

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

ATTENTION: LOTO caution for this guide. This guide requires that the technician inspect components inside a cabinet that contains 600/690 VAC.

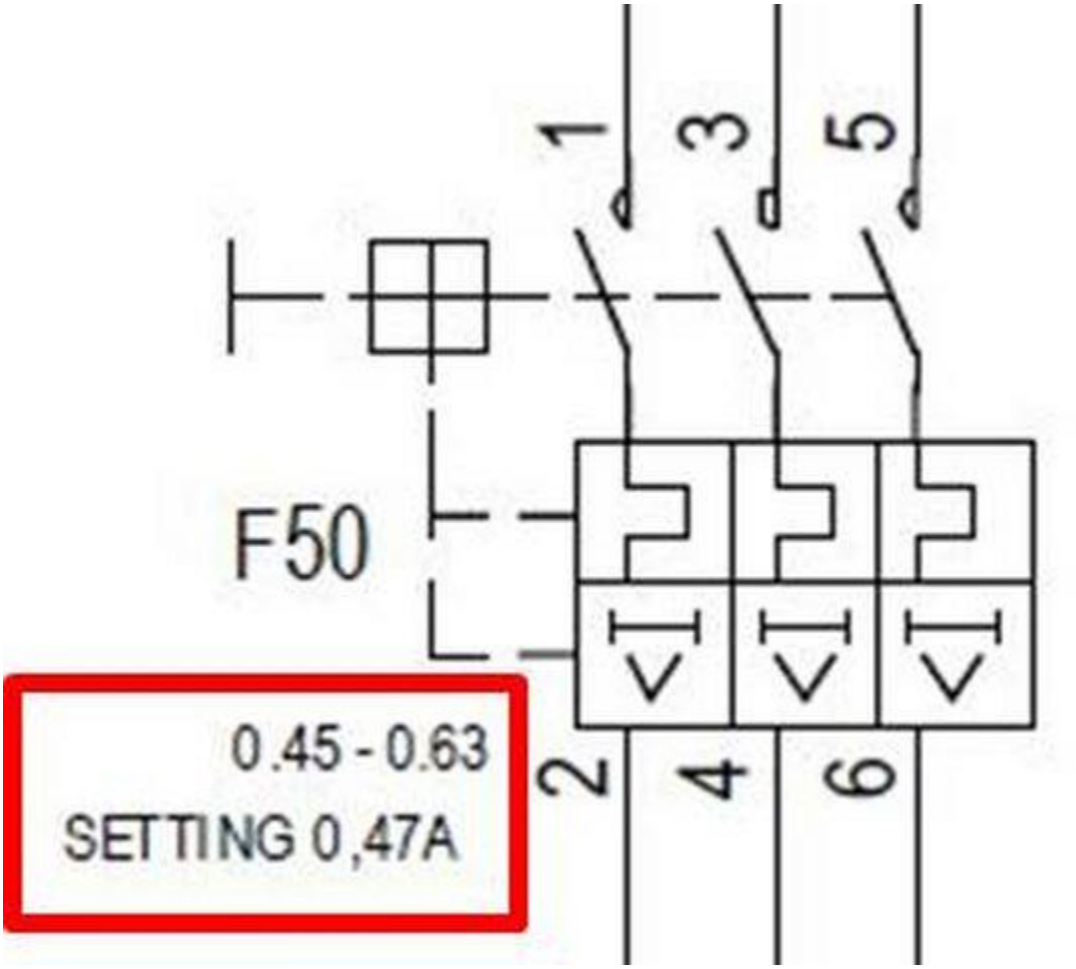
IN THE AT2 CABINET:

Check the INPUT/ OUTPUT voltage(F50)

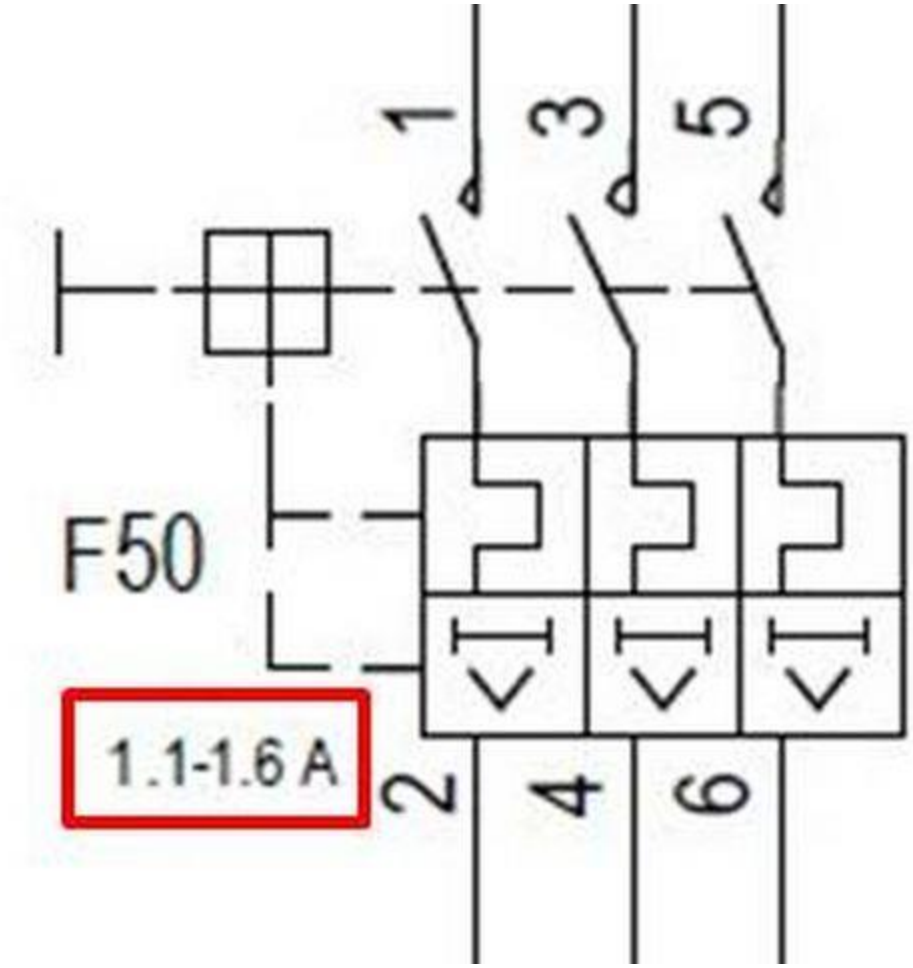
Check the MCB function

Check the required current setting in the MCB:

50Hz

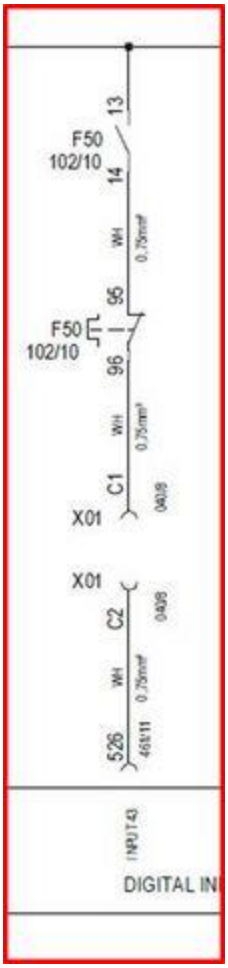


60Hz

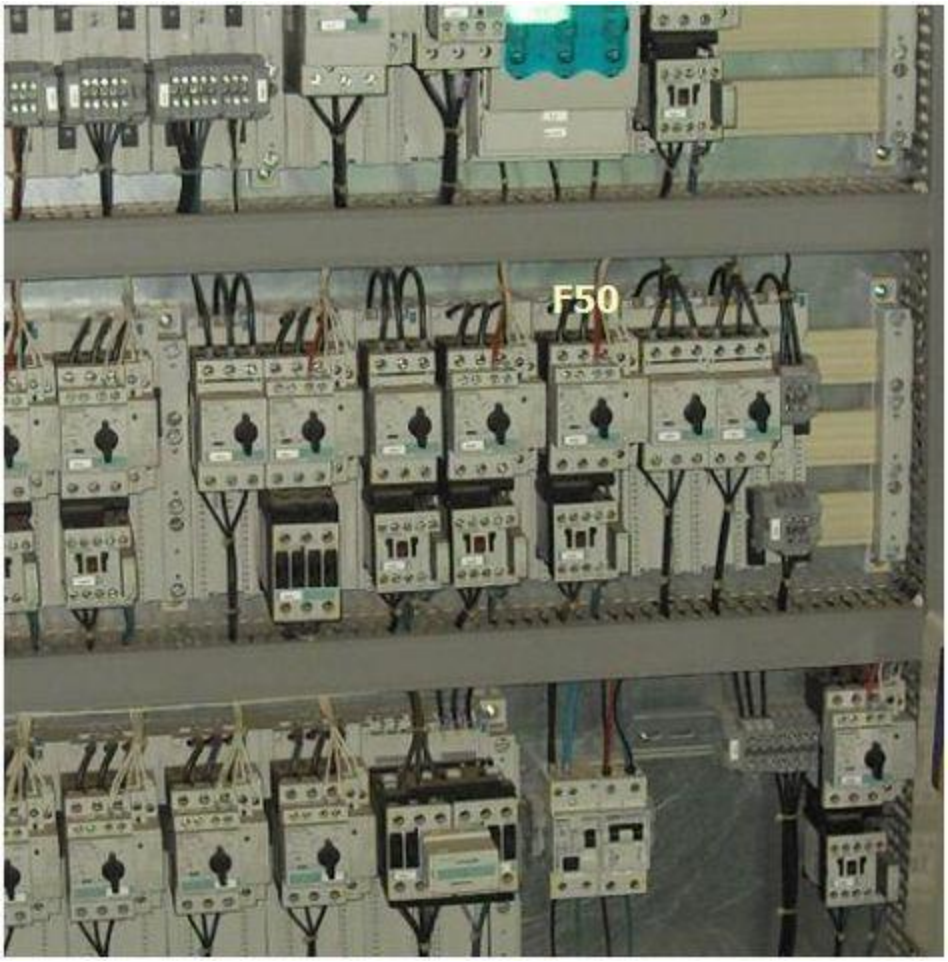


Check for loose connection in the terminals.

Check the Auxiliary relay function input to TOI.



If defect replace the MCB



Relevant spare parts	
Description	**Item No.**
AUX CONTACT 3RV1901-1E	60004778
CB 3RV1121-0GA10 0.45-0.63A	60004742

Replace the defect cable

Does this solve the problem?

1] Yes

2] No

3] I don't know

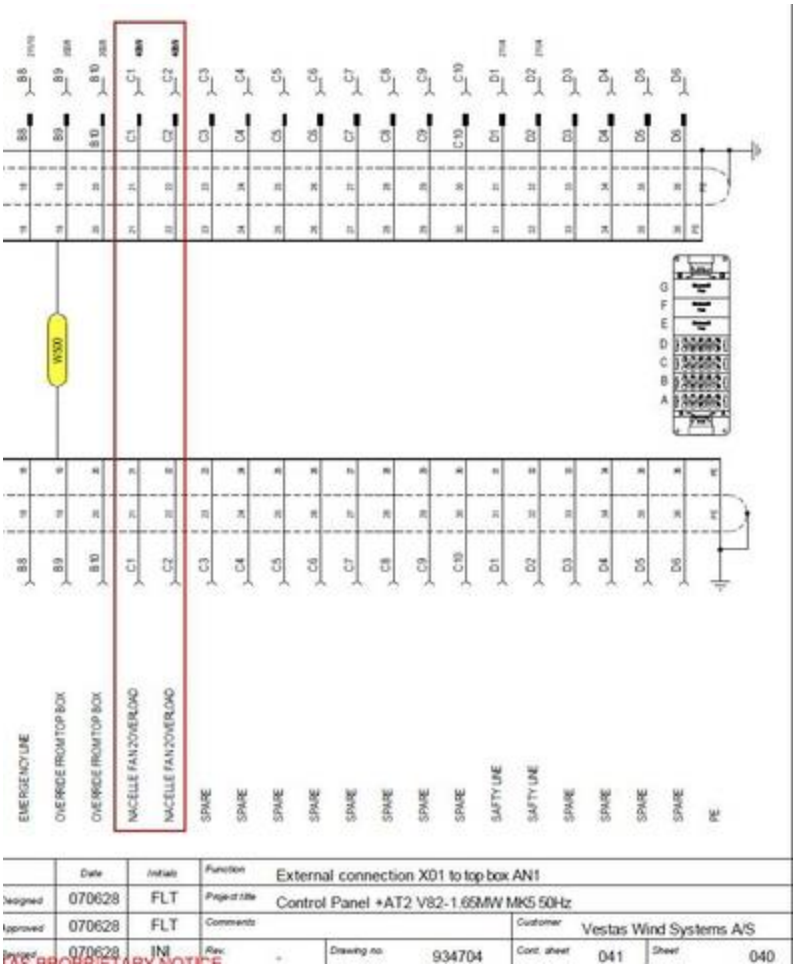
- **Explanation**

In the Nacelle:

Check the input supply cable (W342) and control cable (W587) connections and connectivity. If either of the cables is faulty, replace with new.

Relevant spare parts	
Description	**Item No.**
CABLE -W587 NM30T. MRK III 2X1	60109900
CABLE -W342 NM30T. MRK III 4G2	60109932

Check continuity for Digital Input signal “Input 43”, wire 13,14 & 95,96 to cable C1,C2 at W500 cable X01 connector, if found no continuity, swap with spare wire or replace the defective cable



Relevant spare parts	
Description	**Item No.**
Cable W500 93m IEC	60111780

Check the Cable W310, continuity between D2, D3, D4 (+AT2) to 17, 18 and 19(+AN4).

Use the spare cable, if no continuity or internal short circuit.

Relevant spare parts	
Description	**Item No.**
Cable W310	60113221

Replace the defect fan

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**
  IN THE Nacelle:

Check the input voltage (FAN Position Number: M18)

Check for any loose connection in the terminal box:

Operate the fan and listen for faulty bearings or abnormal noise of any kind.

Remove the STAR/ DELTA connections and measure the resistance value of the windings.

Measure phase to phase and phase to earth on all windings.

The resistance value should be >1MΩ.

Check the relay output from the fan,

If the fan is found to be defective replace the fan

Relevant spare parts	
Description	**Item No.**
AXIAL FAN ASM. 3 x 440/690 V 5	60102398

Relevant documentation	
Description	**DMS No.**
Nacelle Fan replacement SWI	0020-3899