



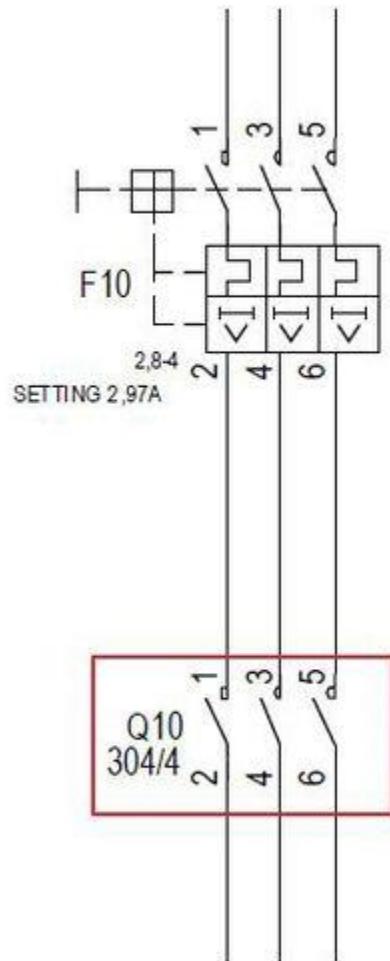
## Replace the defect contactor

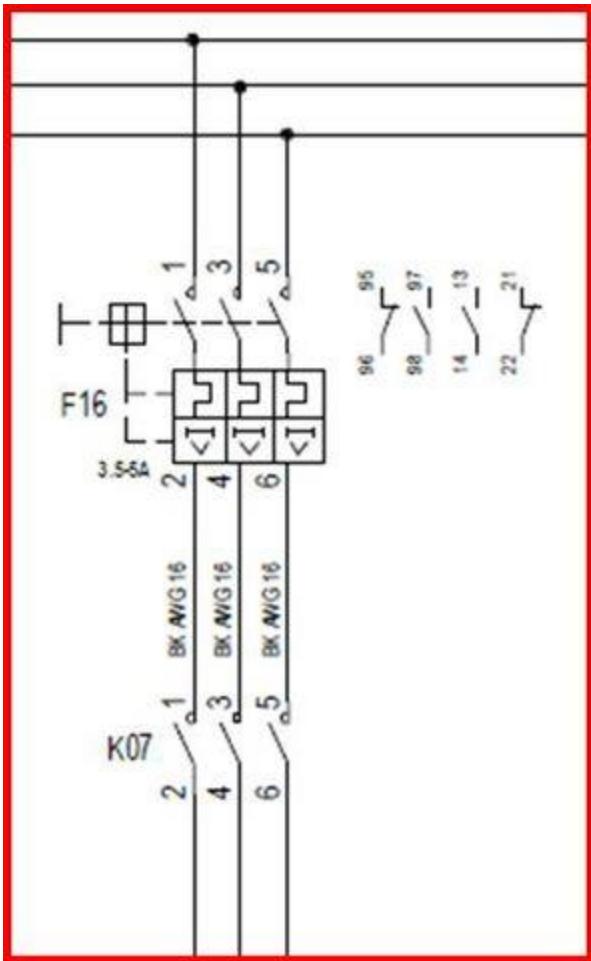
Does this solve the problem?

- 1] Yes
- 2] No
- 3] I don't know

- **Explanation**  
**IN THE AT2 CABINET:**

Check the contactor function Q10/K07.





### Replace the defect MCB

Does this solve the problem?

1] Yes

2] No

3] I don't know

### Explanation

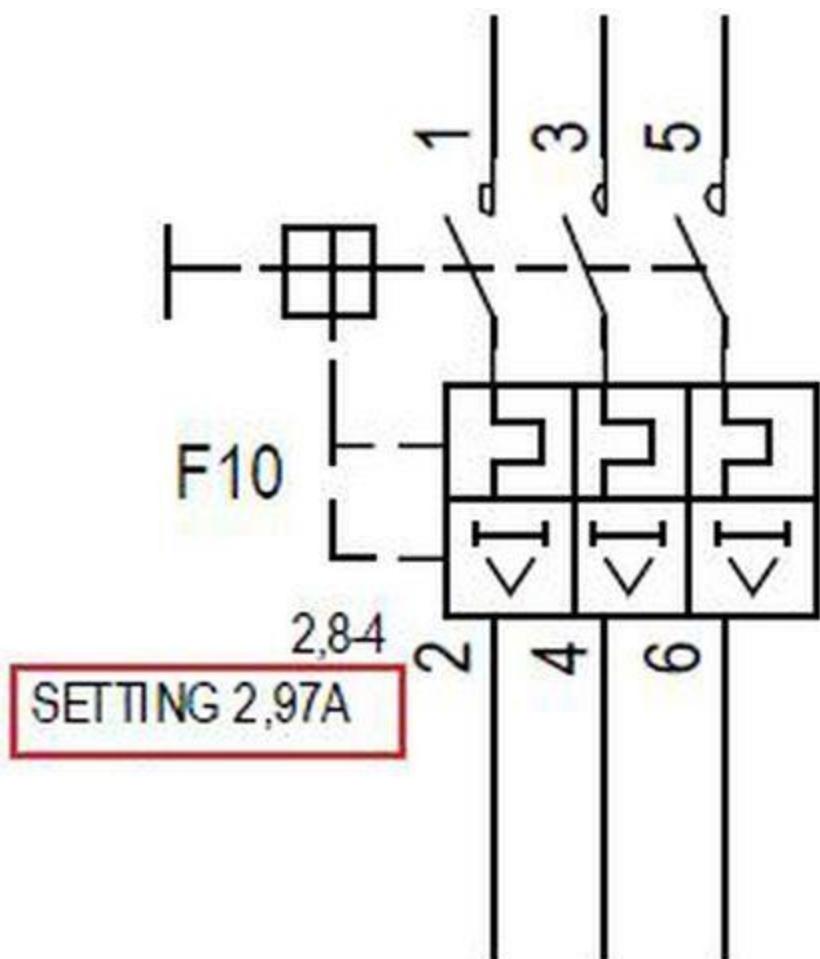
**IN THE AT2 CABINET:**

Check the INPUT/ OUTPUT voltage( F10/F16)

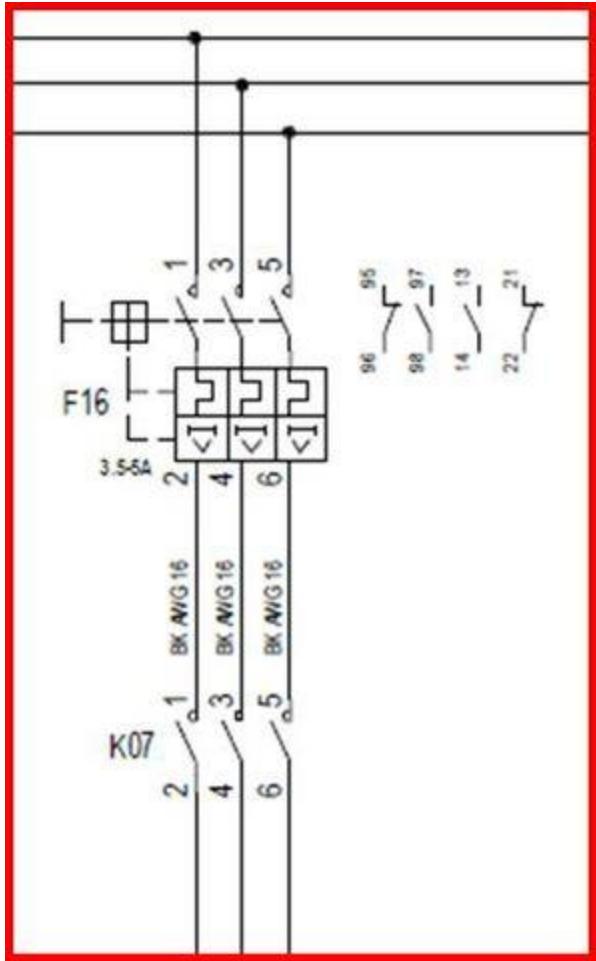
Check the MCB function

Check the required current setting in the MCB:

50Hz

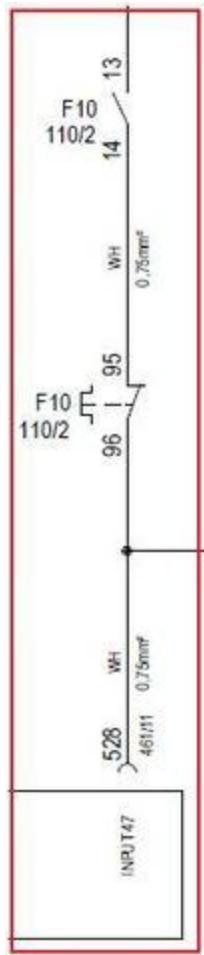


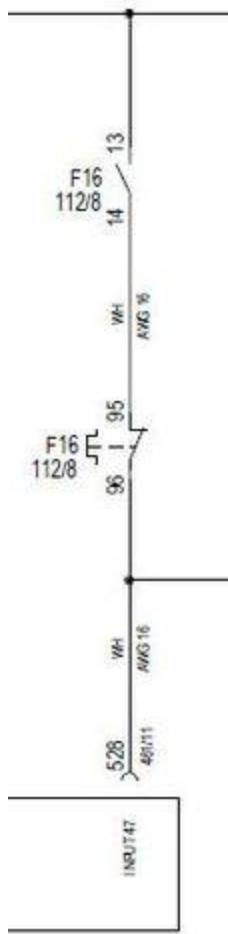
60Hz



Check for loose connection in the terminals.

Check the auxiliary relay function input to TOI.





If defective replace the MCB.



Relevant spare parts	
Description	Item No.
CB 3RV1121-1EA10 2.8-4.0A	<a href="#">60004750</a>
CB 3RV1121-1FA10 3.5-5.0A	<a href="#">60004751</a>
AUX CONTACT 3RV1901-1E	<a href="#">60004778</a>



Check the INPUT/ OUTPUT voltage

Check the loose connection in the terminals,

If defective replace the contactor.

Relevant spare parts	
Description	Item No.

CONT 3RT10161AP02 230V 50/60HZ	<a href="#">60004394</a>
Auxiliary Contact for Q10/K07	<a href="#">60004433</a>

### Replace the defect cable

#### Does this solve the problem?

- 1] Yes
- 2] No
- 3] I don't know

- **Explanation**  
**N THE NACELLE:**

Check the incoming cable connection and connectivity from Control panel (+AT2) to box (+AN4)

Connection terminal X01 (Pin no: 28,29,30)

**+AN4**



Check the cable (W352) connection and connectivity box(+AN4) to Control panel box (+AN1)

**+AN1**



Check the cable connection and connectivity from Control panel box (+AN1) To feeder motor terminal box (W311)

## Replace the defect Motor

### Does this solve the problem?

- 1] Yes
- 2] No
- 3] I don't know

- **Explanation**  
**IN THE NACELLE:**

Check the input voltage.



Check for loose connection in the terminal box.

Operate the motor 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.

If the Motor is found to be defective replace the Motor

Relevant spare parts	
Description	Item No.
MOTOR EI. 4AP112M-6S-B5-4/6 2.	<a href="#">60073425</a>

Relevant documentation	
Description	DMS No.
Replacement of Pitch motor SWI	<a href="#">0001-8482</a>



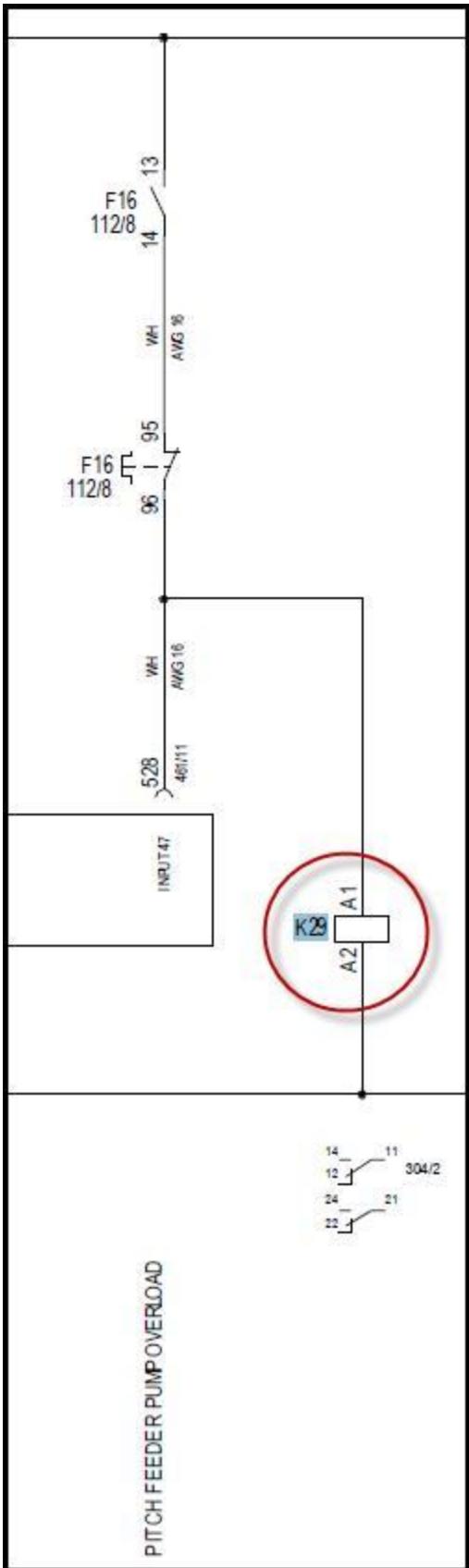
### Replace defective Pitch main pump interlock relay

Does this solve the problem?

- 1] Yes
- 2] No
- 3] I don't know

- **Explanation**  
**IN THE AT2 CABINET**

Check the feedback line from pitch feeder pump which is also connected to pitch main pump interlocking relay coil F29. Faulty K29 coil will disturb the pitch feeder pump feedback. Check K29 relay coil resistance value and on intermittent faulty condition K29 should be changed.



## Replaced the Defect Couplings

### Does this solve the problem?

- 1] Yes
- 2] No
- 3] I don't know

- **Explanation**  
**IN THE NACELLE:**

Visually inspect the coupling for any damage and that the rubber element is in good material condition.

Check for any debris stuck in the coupling.

If the coupling is found to be defective or shows signs of excessive wear, replace the coupling:

Relevant spare parts	
Description	Item No.
COUPLING COMPLETE ND86	<a href="#">60120016</a>
COUPLING ND86 P3U PUMPSIDE	<a href="#">60120013</a>
COUPLING OMT R 82 RUBBERPART	<a href="#">60120014</a>
COUPLING ND86 A MOTORSIDE	<a href="#">60120015</a>



### Replace the Hydraulic Pump

Does this solve the problem?

- 1] Yes
- 2] No
- 3] I don't know

- **Explanation  
IN THE NACELLE:**

Check the pump out pressure through TAC-II

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

If the pump is found to be defective replace the pump

Relevant spare parts	
Description	Item No.
GEAR WHEEL PUMP 52CCM 3SPA-52D	<a href="#">60073428</a>



## 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)



If defective replace the Tower TOI

**Relevant spare parts**

Description	Item No.
TOI-II INTERF NM1500 TOWER	<a href="#"><u>51701501</u></a>