

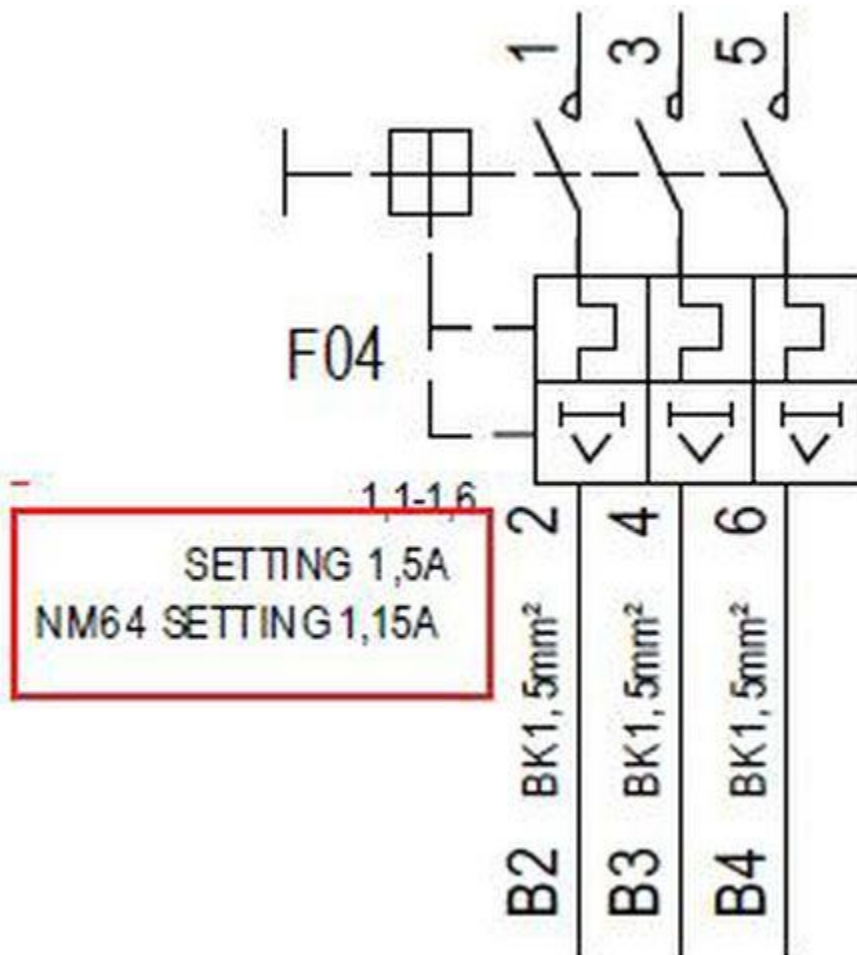
Replace the defect MCB

Does this solve the problem?

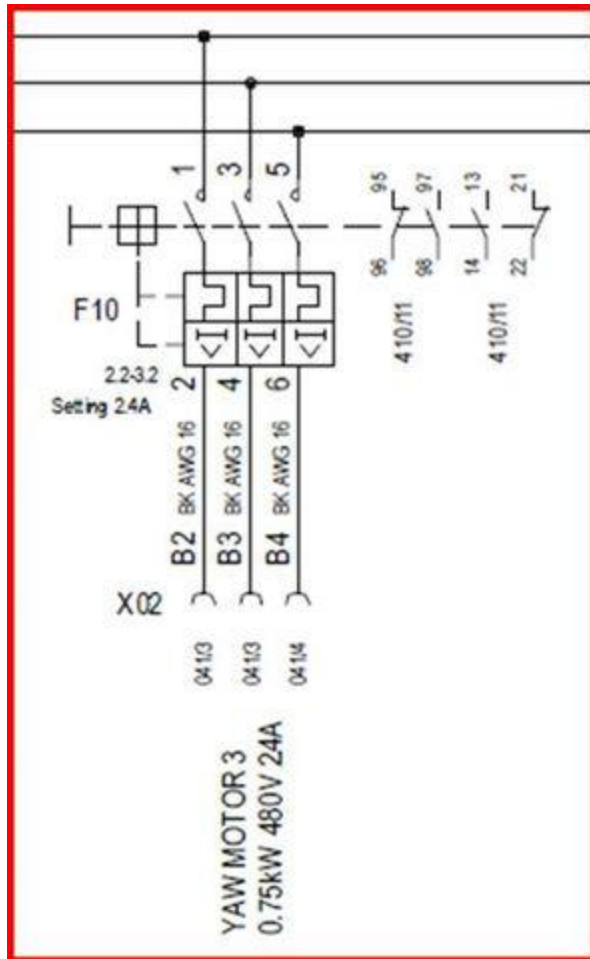
- 1] Yes
- 2] No
- 3] I don't know

- **Explanation**

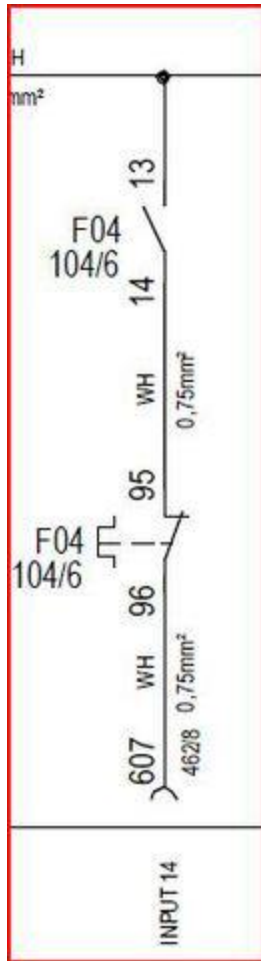
50 Hz



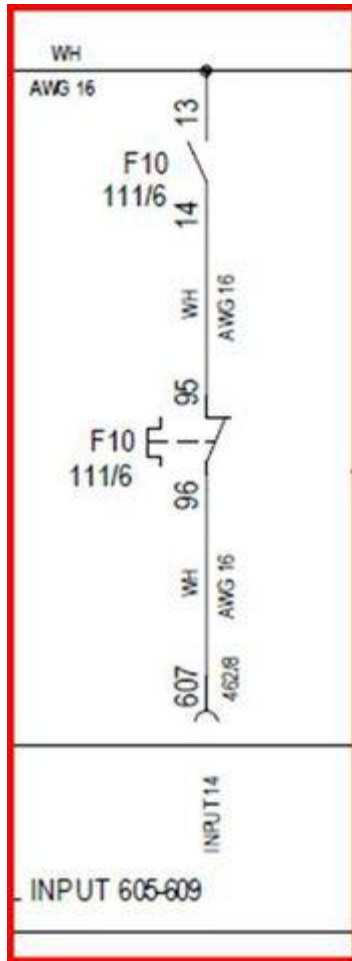
60 Hz



50 Hz



60 Hz



IN THE AT2 CABINET:

- Check the INPUT/ OUTPUT voltage(F04= 50Hz- F10= 60Hz)
- Check the MCB function.
- Check the MCB continuity.
- Check the required current setting in the MCB
- Check for loose connection in the terminals and cable condition.
- Check the Auxiliary relay function input

to TOI.

Refer Documents:

- Replacement of Electrical parts in Control Panels (WKI [0001-8388](#))
- Risk Assessment ([0001-8390](#))

Vestas Item No:

- Item no for MCB - 60004746
- Item no for MCB - 60004749
- Item no for auxiliary Relay - 60004778

Components View in AT2 Panel:



Replace the defective cable

Does this solve the problem?

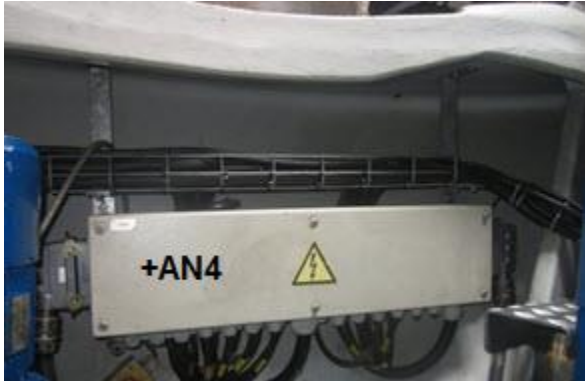
1] Yes

2] No

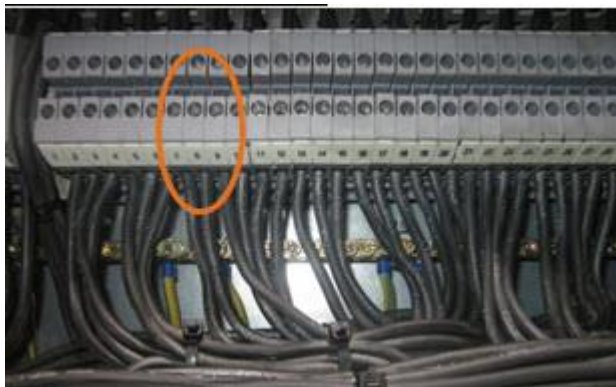
3] I don't know

- **Explanation**

Cable coming from +AN4 to yaw motor4 terminal box



- Check the incoming cable from Control panel (+AT2) to motor box (+AN4)
- Check the cable connection from motor box(+AN4) to Yaw motor 3 terminal box (W302)



To replace the yaw gear unit

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

IN THE NACELLE:

- Remove the yaw motor with connection

Refer the below Doc:

1. [0004-5922](#)
2. [0011-5166](#)

- Keep the yaw motor safely
- Check the oil level in gears. If necessary, top up yaw gears with correct type of oil.
- Master Reset the WTG and Switch on yaw controller.
- To make ensure yaw gear rotate or not.
- To ensure rotate the yaw gear unit and listen abnormal noise of any kind.
- If not rotate the yaw gear unit or create abnormal noise, change the yaw gear unit as per WKI.
- To ensure yaw gear unit bed bolt torque value as per I & S data

Refer Documents:

- Replacement of Yaw Gear Unit WKI: [0010-5073](#)

Vestas Item no: 60103371

Picture view yaw gear:



Replace the defect Tower TOI unit.

Does this solve the problem?

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

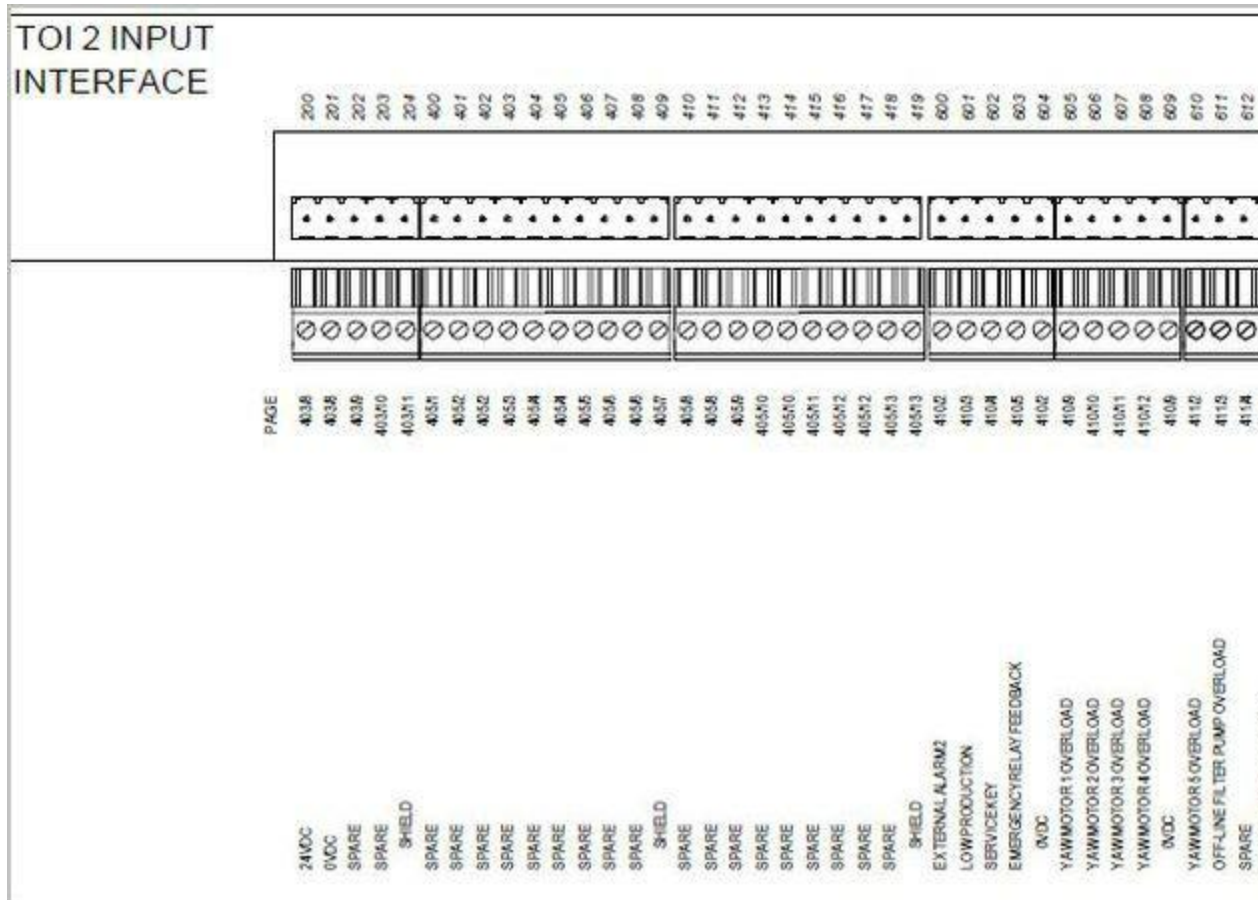
- **Explanation**

INPUT 525-613

- Main bearing pump overload
- Nacelle fan overload
- Yaw brake pump overload
- Pitch feeder pump o.load
- Pitch main pump overload
- Pitch softstarter feedback
- UPS load protected
- UPS battery fault
- External alarm 2
- Service key
- Safety relay feedback
- Yaw motor 1 overload
- Yaw motor 2 overload
- Yaw motor 3 overload
- Yaw motor 4 overload
- Yaw motor 5 overload
- Off-line filter pump overload
- Gear oil heater overload
- Yaw motor 6 overload

TOI Controller:





Observation Points:

- Change the TOI if no signal from TOI
- To check tightness of the connection.

Refer Documents:

- Replacement of Electrical parts in Control Panels ([0001-8388](#))
- Risk Assessment ([0001-8390](#))

Vestas Item No:

- 51701501