

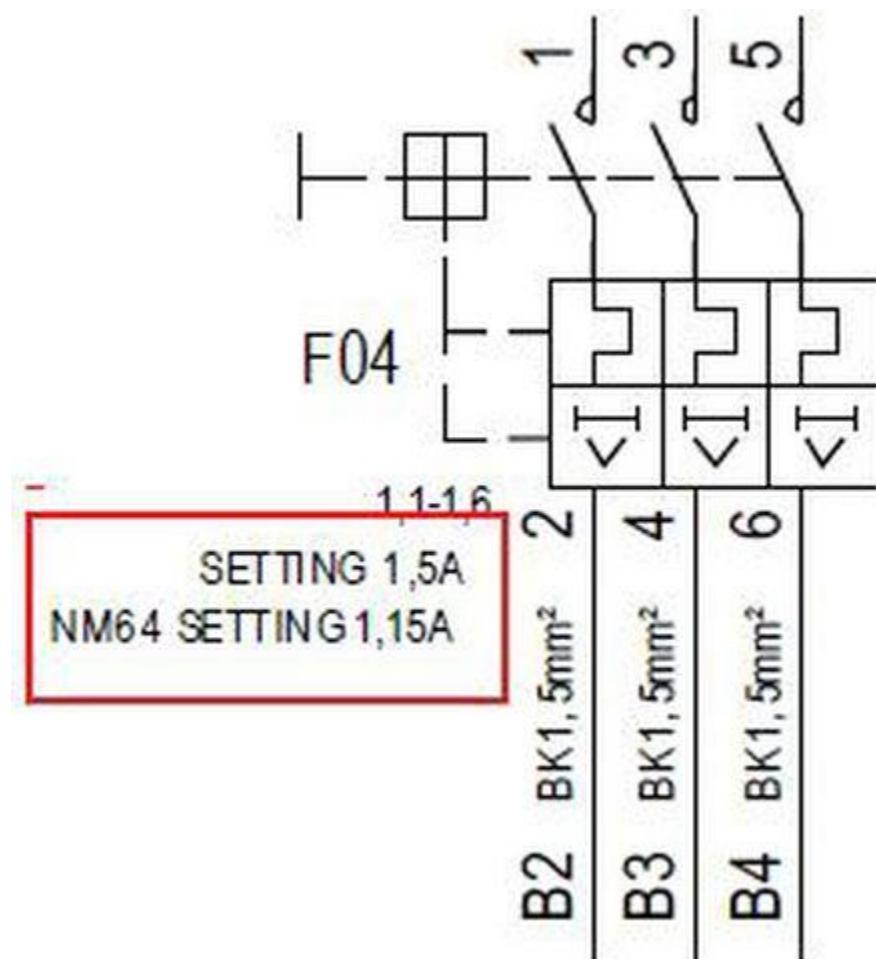
Replace the defect MCB

Does this solve the problem?

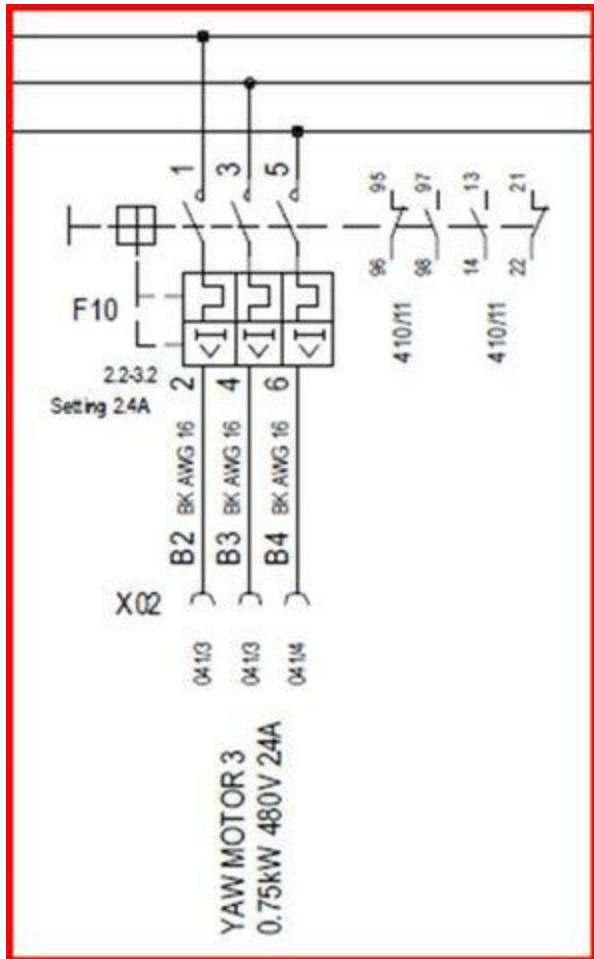
- 1] Yes
- 2] No
- 3] I don't know

- **Explanation**

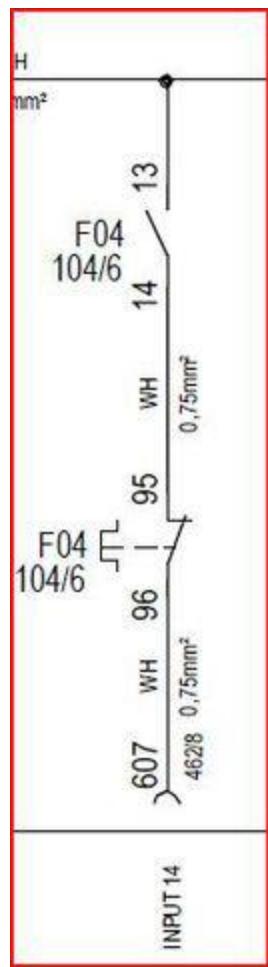
50 Hz



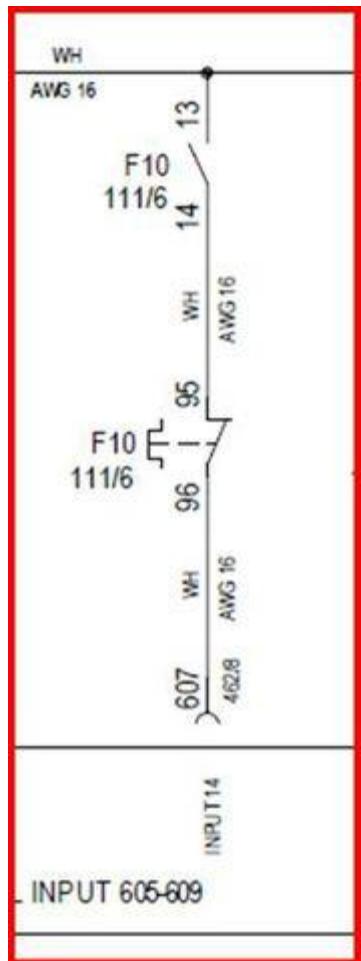
60 Hz



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

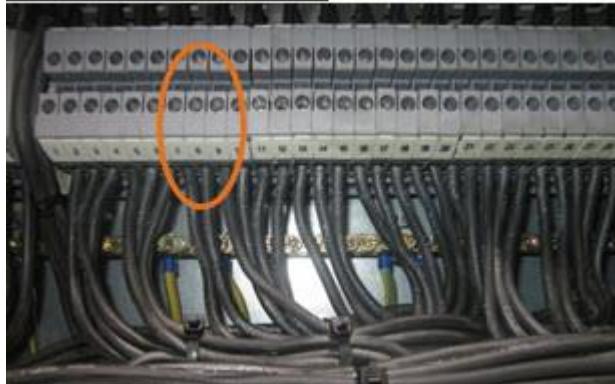
3] I don't know

• **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 valve 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:



TOI 2 INPUT INTERFACE

		200
	40348	201
	40349	202
	40350	203
	40351	204
	40351	400
	40352	401
	40352	402
	40353	403
	40354	404
	40354	405
	40355	406
	40356	407
	40356	408
	40357	409
	40358	410
	40358	411
	40359	412
	40360	413
	40360	414
	40361	415
	40361	416
	40362	417
	40362	418
	40363	419
	4102	600
	4103	601
	4104	602
	4105	603
	4106	604
	4106	605
	41070	606
	41071	607
	41072	608
	41072	609
	4112	610
	4112	611
	4113	612
	4114	

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