How to Troubleshoot a Noisy contactor?

I- Type of publication

- Typical application
- Best know Method (BKM)
- Troubleshooting guide
- Level 2 use
- Internal use
- Customer

II- Product

- Product range:
  - Contactors

- Product family:
  - TesysD,F,K, CCV

III- Introduction

Use this troubleshooting guide if your contactor is noisier than others contactors located in the same area.

Tools required:
- A controller to check voltage
- A screw driver
IV- Description

MY CONTACTOR IS NOISY

Do you check your coil voltage? (1)

NO → UNDER VOLTAGE CAN GENERATE NOISY COIL

YES → Is the contactor in dust area?

YES → ISOLATE YOUR CONTACTOR FROM DUST

NO → Did you do commissioning around your contactor?

YES → PROTECT YOUR CONTACTOR FROM OUTSIDE POLLUTION

NO → Do you check your contactor position?

NO → SEE TECHNICAL INFORMATION (2)

YES → CONTACT TECHNICAL SUPPORT
(1) **Coil voltage**

Check coil voltage:

a) Look after your coil range:

b) Put your probe on coil terminal A1 A2:

Note: you can make the same job for a TeSysF but the multi meter is not connected on the same points:

(2) **Contactor position**

<table>
<thead>
<tr>
<th>Operating positions</th>
<th>Without detailing in the following positions</th>
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<tbody>
<tr>
<td></td>
<td>Positions that are not permissible</td>
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<tr>
<td></td>
<td>For contactors LC1 D09 to LC1 D65A</td>
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</table>

Verify the voltage you measure is in the allowed range of “operating voltage” for the contactor you use. See technical data concerning your contactor.