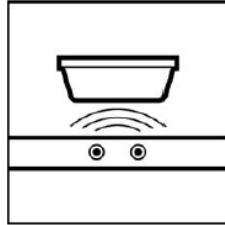
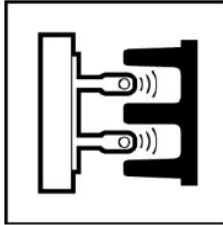


# Commissioning Checkliste



## Inductive Power Transfer

9100 Rail / Floor



**This checklist should be used as a guideline to ensure the safe operation of the electrification system!**

The checklist is addressed to qualified specialists who install and commission energy transmission systems and who are familiar with the regulations regarding work safety and prevention of accidents.

Read and follow all safety and warning instructions in the associated product documentation (operation and installation instructions).

**During initial commissioning the acceptance report has to be completed!**

|                       |  |
|-----------------------|--|
| <b>Project:</b>       |  |
| <b>Customer:</b>      |  |
| <b>CXW-Order-No.:</b> |  |

|                      |  |
|----------------------|--|
| <b>End Customer:</b> |  |
| <b>Address:</b>      |  |
| <b>Country:</b>      |  |

|                                       |  |
|---------------------------------------|--|
| <b>Facility/Building/Block/Aisle:</b> |  |
| <b>Serial Number (if applicable):</b> |  |
| <b>Period of commissioning:</b>       |  |
| <b>Additional Remarks:</b>            |  |

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

|                   |                                        |
|-------------------|----------------------------------------|
|                   | <b>Commissioner/Service Technician</b> |
| <b>Name:</b>      |                                        |
| <b>Date:</b>      |                                        |
| <b>Signature:</b> |                                        |

# Commissioning Checkliste



## Inductive Power Transfer

9100 Rail / Floor

| No.      | Description                                                                 | Target Value                  | Remarks                                                                                         | OK | Not OK |
|----------|-----------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|----|--------|
| <b>1</b> | <b>Hardwareinstallation</b>                                                 |                               |                                                                                                 |    |        |
| 1.1      | Visual inspection executed of the complete primary installation.            |                               |                                                                                                 |    |        |
| 1.2      | Clearance is given to ferromagnetic materials.                              |                               |                                                                                                 |    |        |
| 1.3      | Litz cable is laid according to the installation instruction.               |                               |                                                                                                 |    |        |
| 1.4      | Capacitor boxes are mounted according to the Installations Instruction.     |                               |                                                                                                 |    |        |
| 1.5      | Cable shoe's are soldered and connected.                                    |                               |                                                                                                 |    |        |
| 1.6      | Pickups are installed according to the Operation Manual.                    |                               |                                                                                                 |    |        |
| <b>2</b> | <b>Commissioning</b>                                                        |                               |                                                                                                 |    |        |
| 2.1      | Input voltage is measured and is within the acceptable range.               |                               | L1-L2 ____ V<br>L1-L3 ____ V<br>L2-L3 ____ V<br>L1- PE ____ V<br>L2- PE ____ V<br>L3- PE ____ V |    |        |
| 2.2      | Control of the track supply checked.                                        | Via PLC (if applicable).      |                                                                                                 |    |        |
|          |                                                                             | Manually (if applicable).     |                                                                                                 |    |        |
| 2.3      | Tuning is checked and adjusted according to the present type of IPT system. | 80 A → 58 µH<br>125 A → 26 µH |                                                                                                 |    |        |
| 2.4      | Screw connection on the capacity boxes with correct tightening torque.      | 9 Nm                          |                                                                                                 |    |        |
| 2.5      | Screw connection on the track supply with correct tightening torque.        | 10 Nm                         |                                                                                                 |    |        |
| 2.6      | EEPROM read/saved.                                                          |                               |                                                                                                 |    |        |
| 2.7      | Log File read/deleted.                                                      |                               |                                                                                                 |    |        |
| 2.8      | Log File created.                                                           |                               |                                                                                                 |    |        |
| 2.9      | Date/time/language adjusted.                                                |                               |                                                                                                 |    |        |
| 2.10     | Synchronization checked (in case of several track supplies).                |                               |                                                                                                 |    |        |
| 2.11     | Cross talking checked (in case of several track supplies/systems).          |                               |                                                                                                 |    |        |
| 2.12     | Function test executed.                                                     |                               |                                                                                                 |    |        |
| 2.13     | Personnel instructed in the operation of the system.                        |                               |                                                                                                 |    |        |