

Aeronautical ground lighting transformers (Series transformers)

These instructions concern the following types:

KR531-series, KR536-series, KR541-series, KR546-series, KR551-series, KR561

KR631-series, KR636-series, KR641-series, KR646-series, KR651-series, KR661, KR671 and KR681

Read these instructions before installation

Caution

Only personnel qualifying to work with high voltage equipment and circuits are allowed to do the installation.

Make sure that the circuits are disconnected from the voltage supply and correctly grounded. Never connect or disconnect live circuits. Voltage of primary circuit is lethal.

Make sure that the outer diameter of cable and the diameter of cable insulation correspond to the connector type.

Check also that any damage has not occurred for the connectors otherwise do not proceed the installation.

Follow the local instructions for safety precautions or refer to the FAA advisory circular AC150/5340-26A (maintenance of Airport visual Aid Facilities)

Follow also Advisory circular AC150/5370-10 part XI Lighting installations

Always test the installation according to above mentioned documents and local instructions.

General:

Series transformers are used for simpler and more accurate intensity adjusting. Assuring the continuity in case of lamp failure and isolating the primary high voltage from secondary side. The transformers together with their connectors are in normal conditions waterproof and can be installed above ground, in all types of pull pits. They can also be directly buried.

Installation:

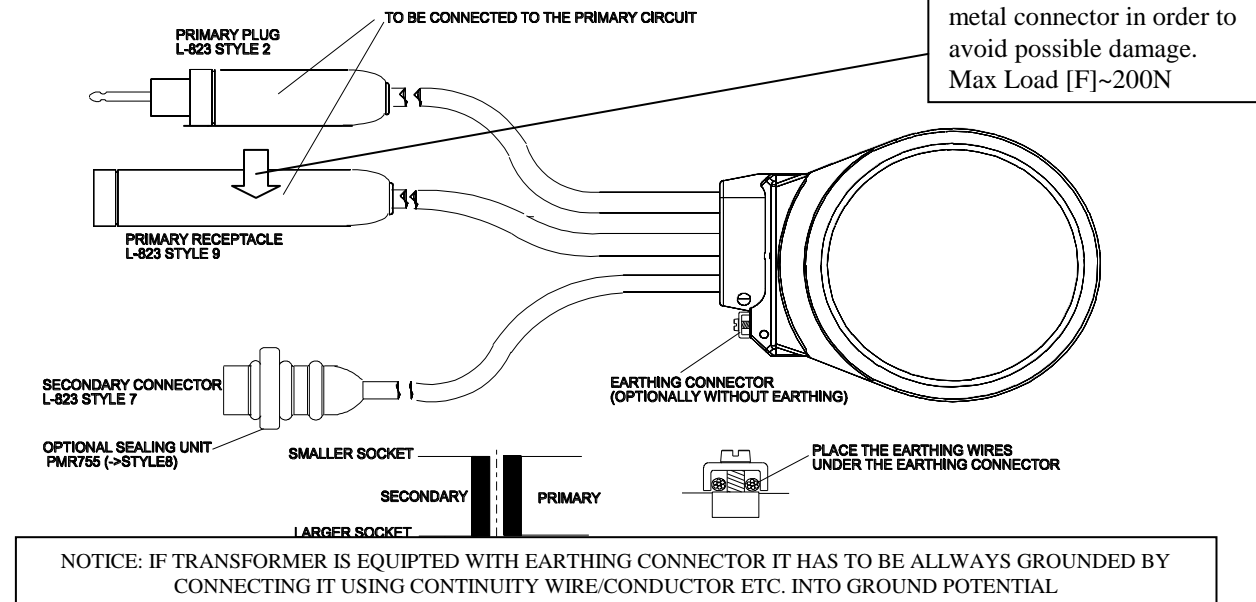
- Make sure that the transformer is of the type that has been planned for the installation.
- Clean the connectors before connection.
- Primary plug (L-823 Style 2) fits to connector (FAA) Type I, Class A and B, Style 10 (e.g. Ensto's KD500 / KD510 serie)
- Primary receptacle (L-823 Style 9) fits to connector (FAA) Type I, Class A and B, Style 3 (e.g. Ensto's KD 500 /KD510 serie).
- Secondary receptacle (L-823 style 7 /style 8 with sealing unit) fits to connector (FAA) Type II, Class A and B, Style 4 and 5 (e.g. Ensto's KD 501 and KD 503 series)
- In case of earthed (grounded) transformer the earthing connector is connected to the secondary winding, to the side of larger socket in the secondary connector.

It is recommendable to keep transformers and connectors above the standing water level (fluids). Do not remove the yellow protective cap from the secondary connector before installation.

Special attention should be paid to the following matters!

- **Never make connections on a live conductor!**
- **Never bend connectors during connecting or disconnecting!**
- **Secure the primary joints with the enclosed locking device or tape (refer to installation instruction of primary and secondary connectors)!**
- **Whenever the secondary connector is connected, make sure that the connectors are connected correctly (There are two types of inserts)!**

Caution: Do not bend metal connector in order to avoid possible damage.
Max Load [F]~200N



Liability for defects

This product will perform within the recommended operational ratings when installed and operated in accordance with these instructions. Efla Oy liability is limited to replacement of component parts designed and manufactured by Efla Oy which are proved to be defective in design, workmanship or material. For further details see our conditions of sale NL 92E.