



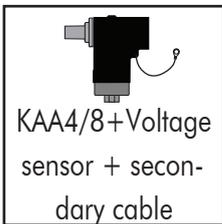
CAUTION : Read instructions thoroughly and completely prior to beginning installation.

Installation instructions - Interface A

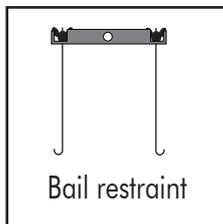
KAA4/8 + ABB KEVA SENSOR

NOTE : the interconnection with the measuring equipment might requires a specific extension cable.

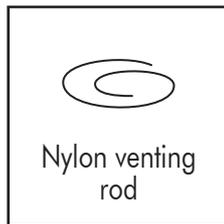
Required components for the installation :



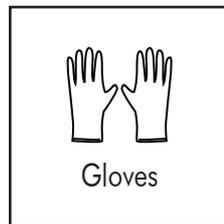
KAA4/8+Voltage sensor + secondary cable



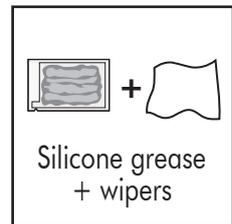
Bail restraint



Nylon venting rod



Gloves



Silicone grease + wipers



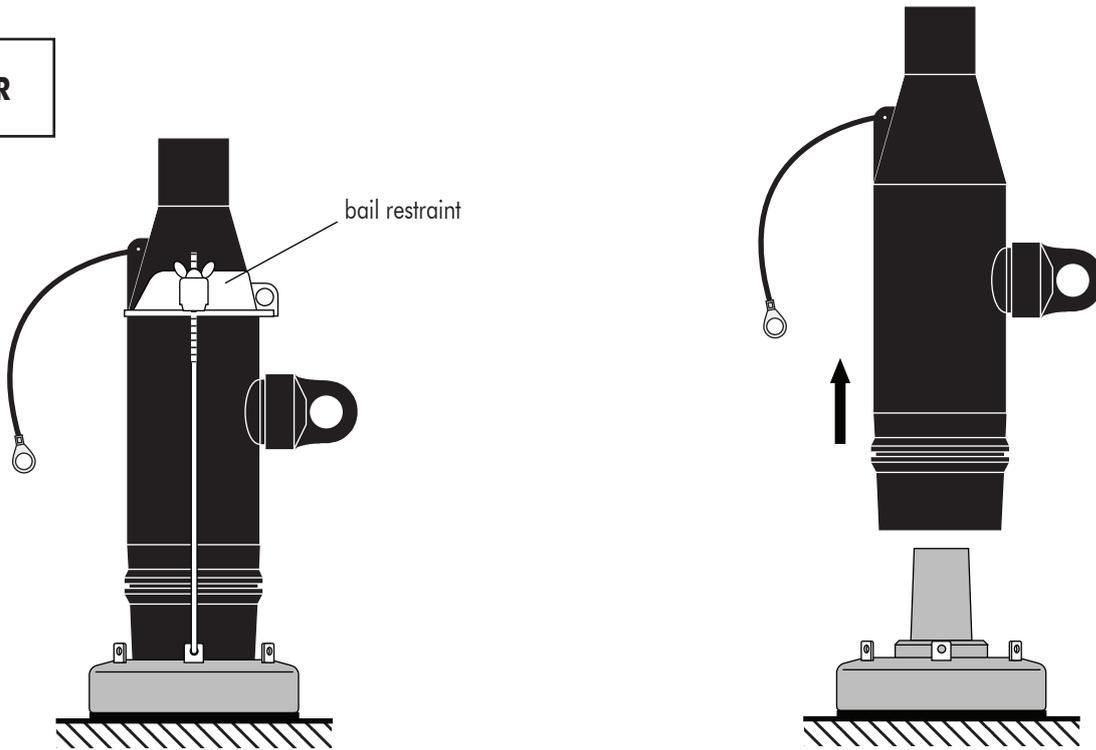
Installation instructions

DISMOUNTAGE 152SR/158LR/200SR/200LR

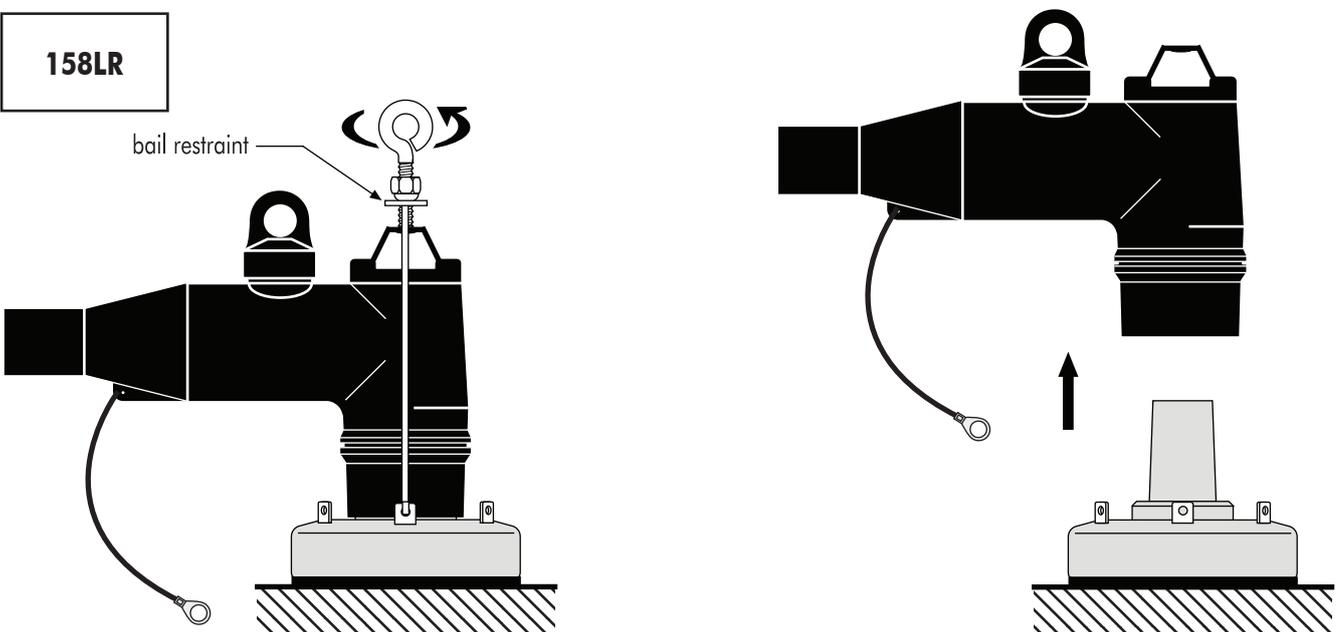
⚠ Before starting the disconnection, the starting cell/transformer loop must be deenergised and earthed following the standard safety rules.

- 1 Identify the working area on which the sensor is mounted, if necessary, proceed to dusting.
- 2 Check the contents of the packaging of the sensor.
- 3 Disconnect the earth braid of the separable connector, unscrew the locking device, bail restraint and remove the connector from the transformer.
- 4 Unplug the separable connector, then carefully clean the interface of the separable connector using a clean, dry cloth. Protect the interface from any pollution.
- 5 Without exerting any force on the cable and within the radius of curvature, move the separable connector to clear enough space for mounting of the KAA4/8 adapter.

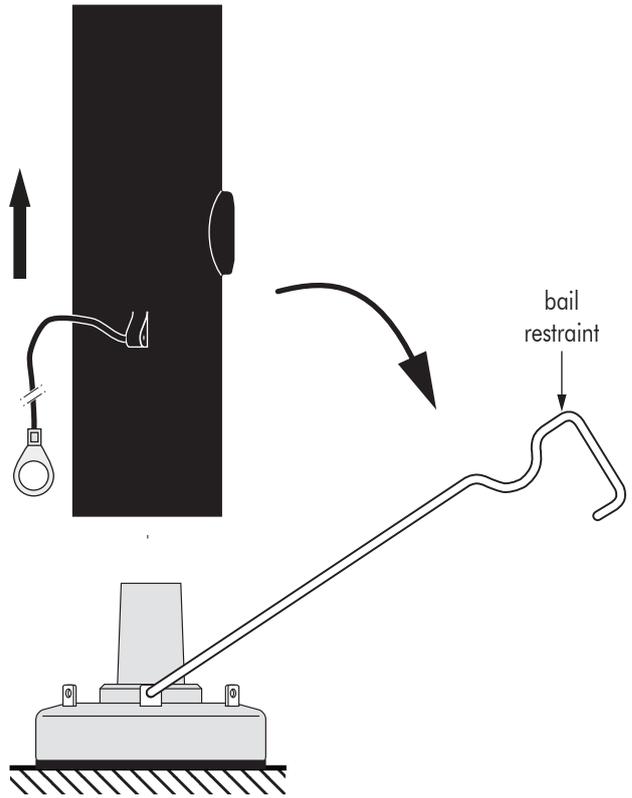
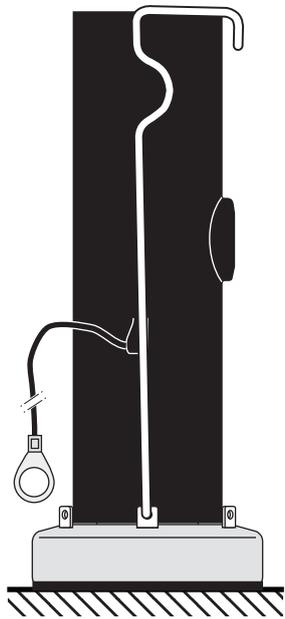
152SR



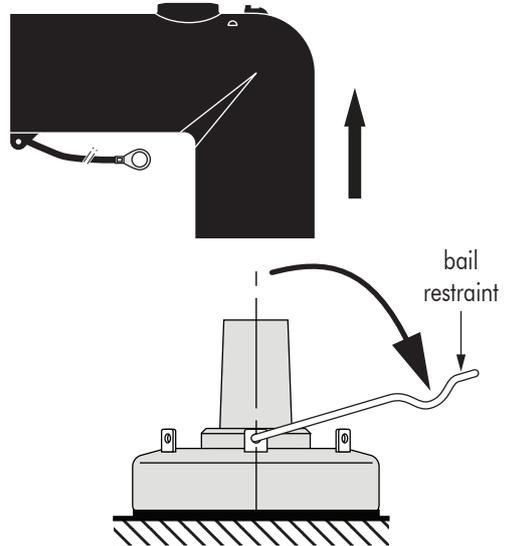
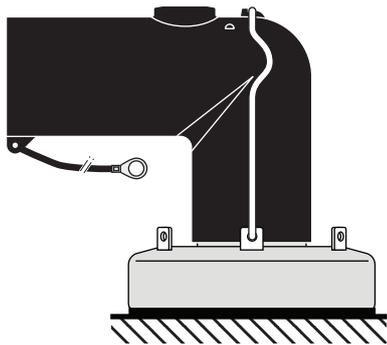
158LR



200SR

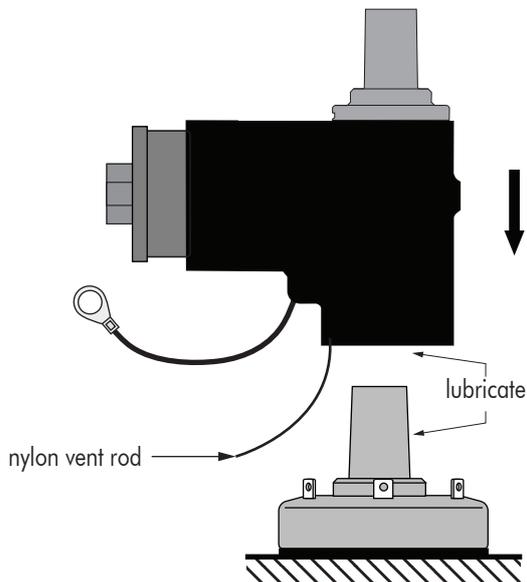


200LR

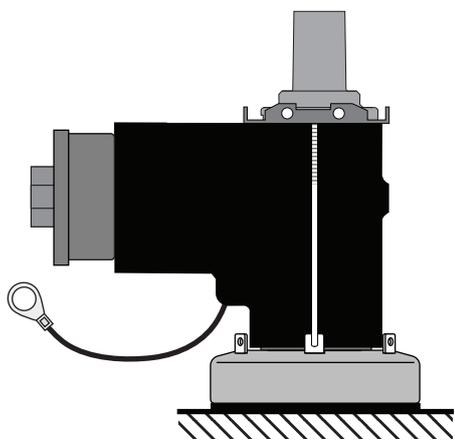


INSTALLATION

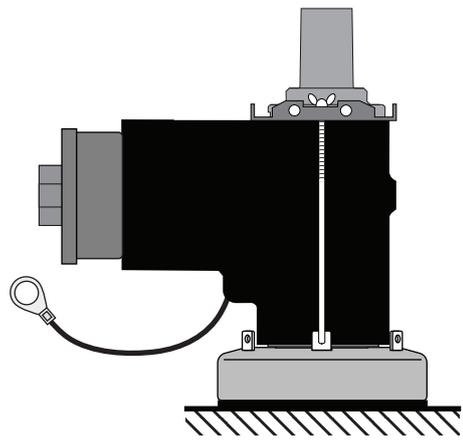
- 1 Check the cleanliness of the interfaces and if necessary clean them with a clean dry cloth. Lubricate* the interface of the bushing and the female interface of the KAA4/8 adapter. Introduce the nylon wire into the female interface and install the KAA4/8 adapter on the bushing.
- 2 Remove the nylon wire once the sensor is connected.



- 3 Orient the KAA4/8 adapter so as not to encroach on the low voltage side.
- 4 Orient the epoxy module in the direction opposite to the working area of the installer.



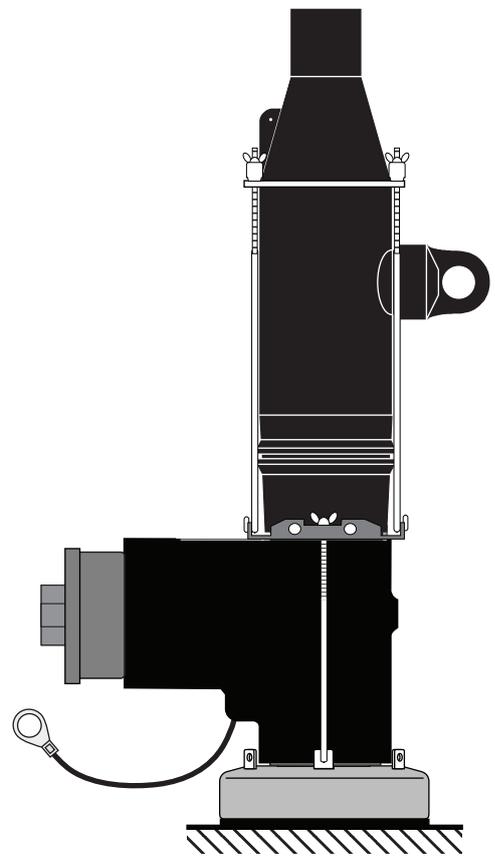
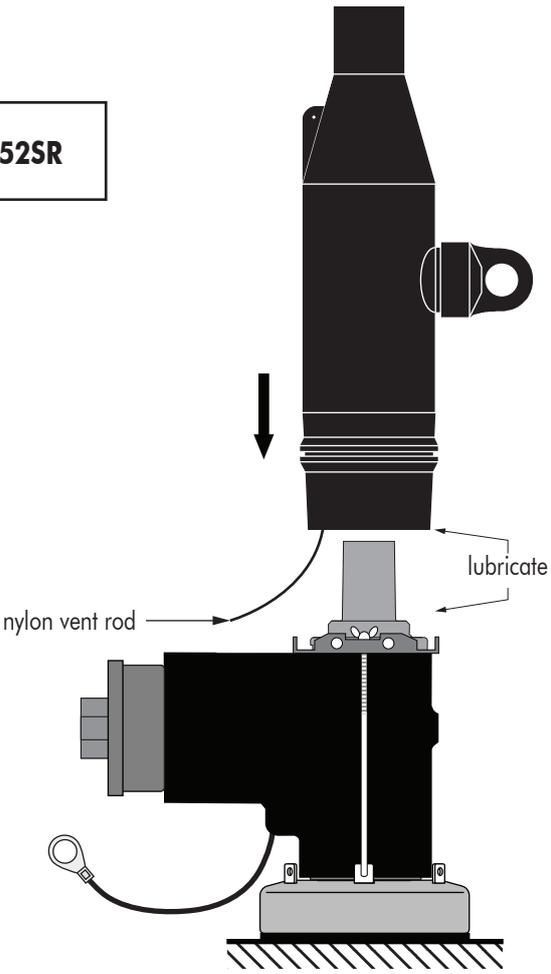
- 5 Place the metal mounting plate on the shoulder of the male part of the KAA4 adapter.



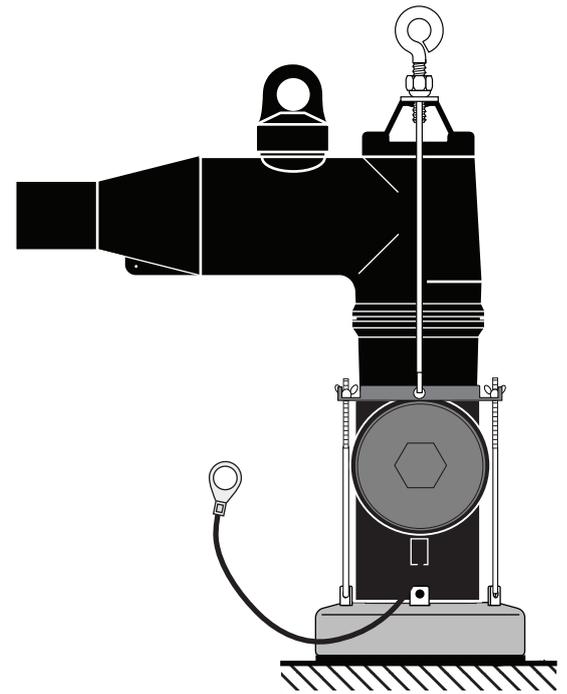
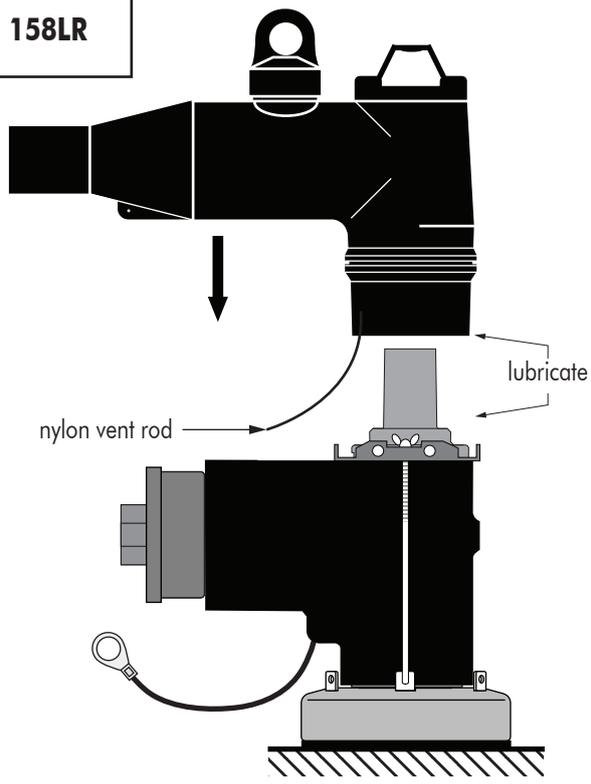
- 6 Tighten the butterfly nuts, be careful not to apply excessive force. The KAA4/8 adapter must be perfectly positioned on the interface of the bushing.

Slightly lubricate the interfaces (connector and KAA4/8 adapter) the install the connector on the male interface of the KAA4/8 adapter according to the instructions provided by the producer of the separable connector. If necessary, reposition the cable in its support to eliminate any stress exerted on the separable connector.

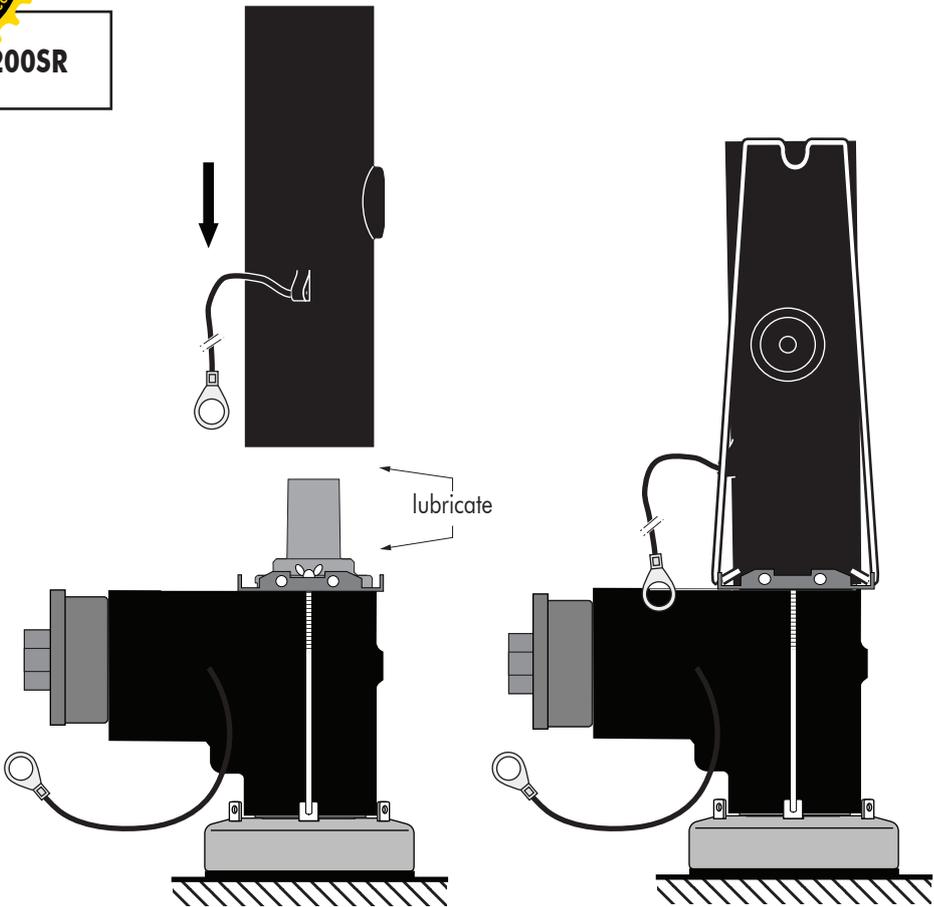
152SR



158LR

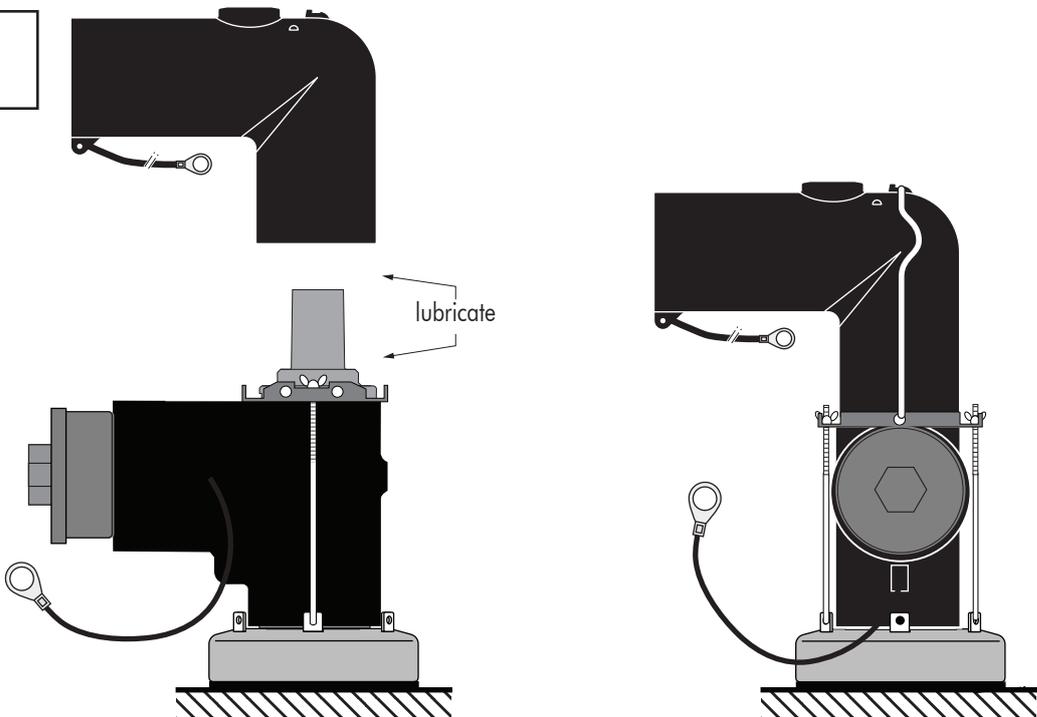


200SR



Installation hint :
if necessary, slightly bend the straight connector left-right to let the bail snap into position.

200LR



Installation hint :

Apply a small dash of silicone grease on the connector's surface to easily snap the bail into position.

EARTHING 152SR/158LR/200SR/200LR/KAA4

1 Connect the earthing braid of the separable connector, the KAA4/8.

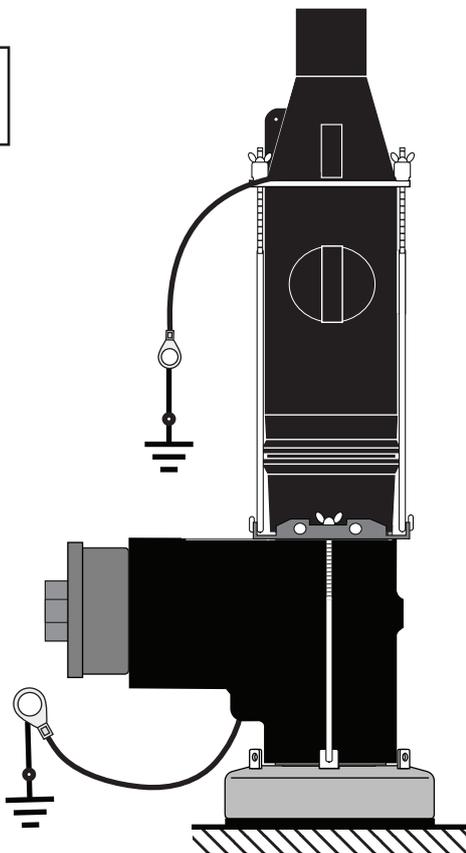
⚠ In some cases it may be necessary to alter the path of the grounding circuit

2 Drop the LV data link and choose the best path in order to:

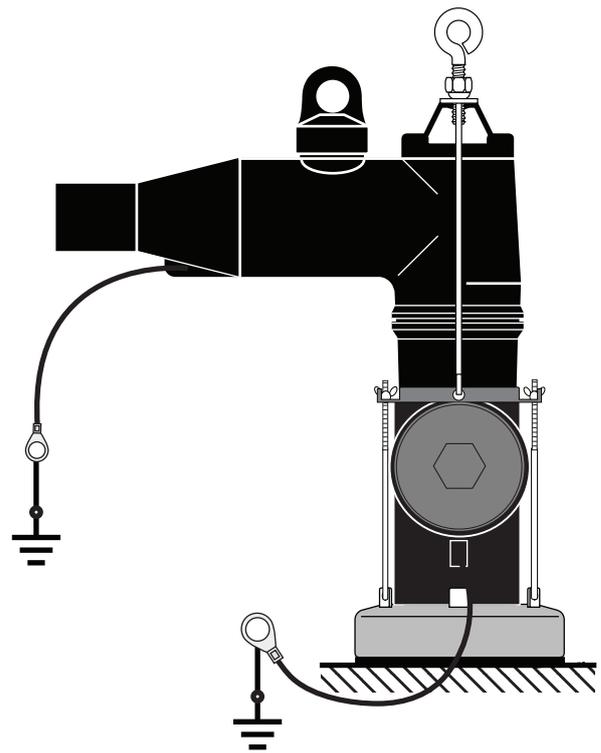
- Avoid the low voltage connection area.
- Do not create mechanical stress on the sensor.
- Allow thereafter a disconnection of the separable connector and the sensor

3 Secure the cable on the course by providing some removable fasteners for future disconnection of the separable connector and the KAA4/8 adapter. Detour routes and fasteners must allow for a possible replacement of the transformer.

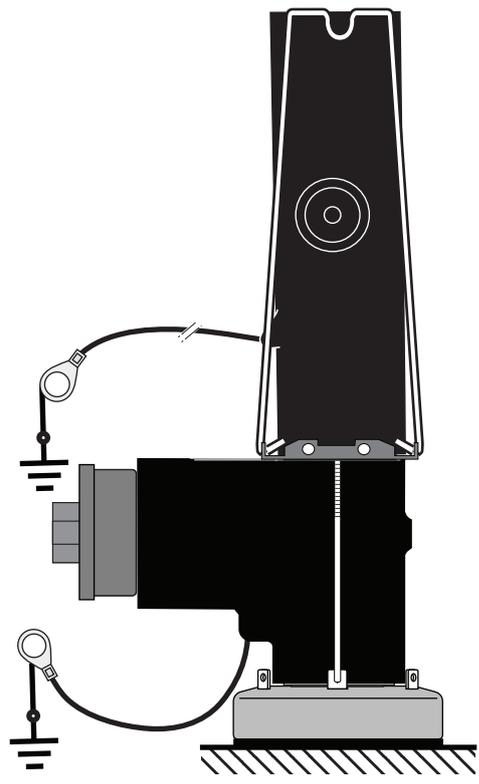
152SR



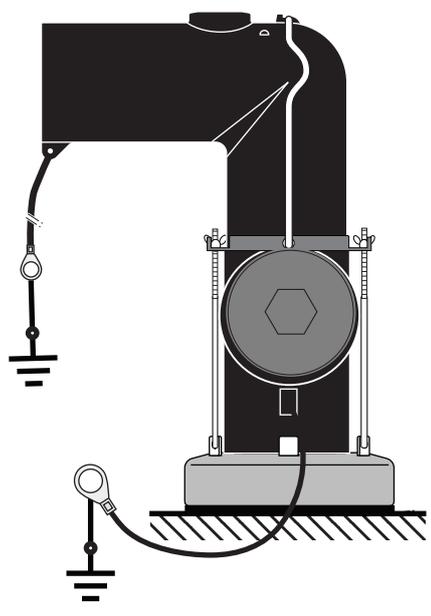
158LR



200SR

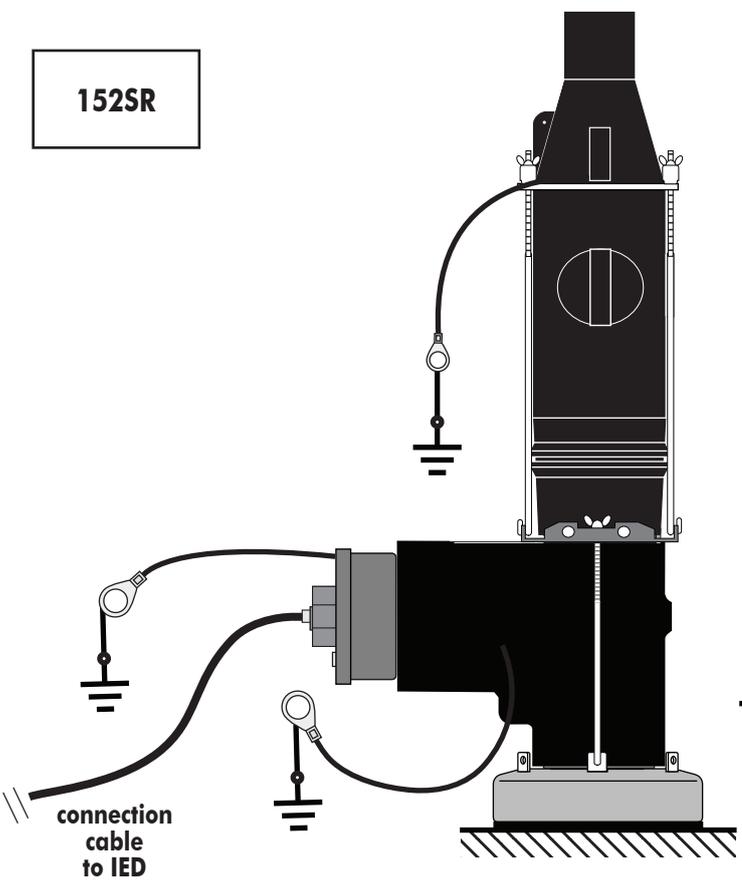


200LR

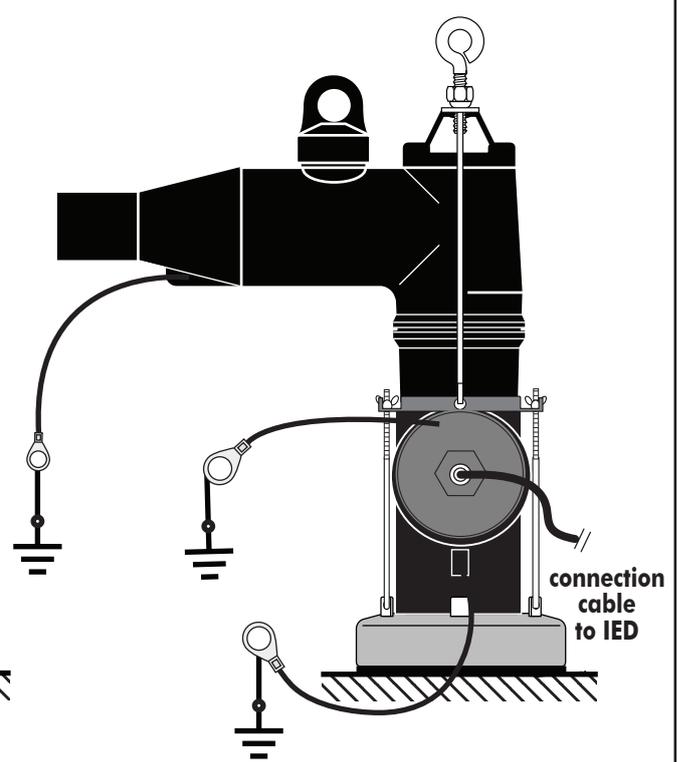


CONNECT VOLTAGE SENSOR

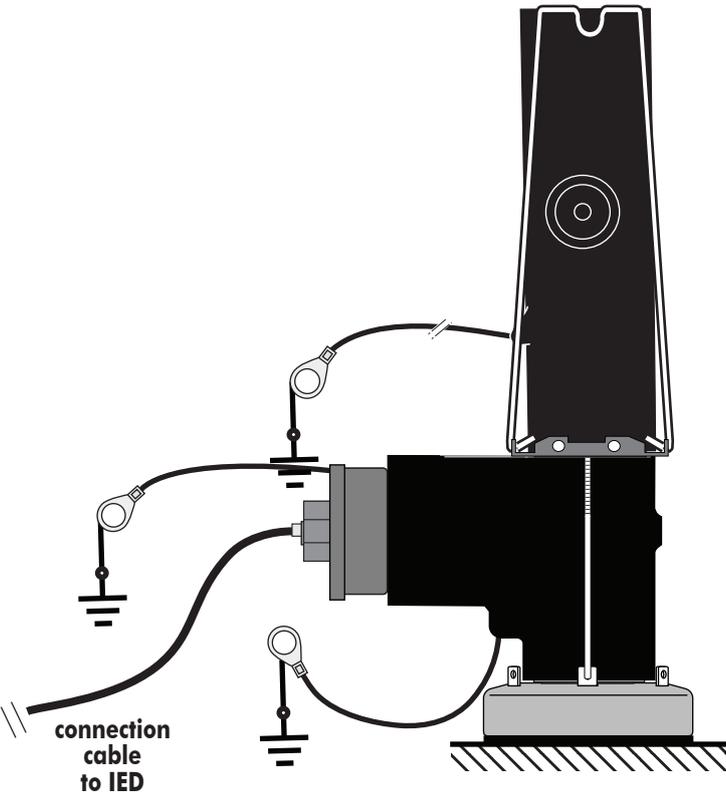
152SR



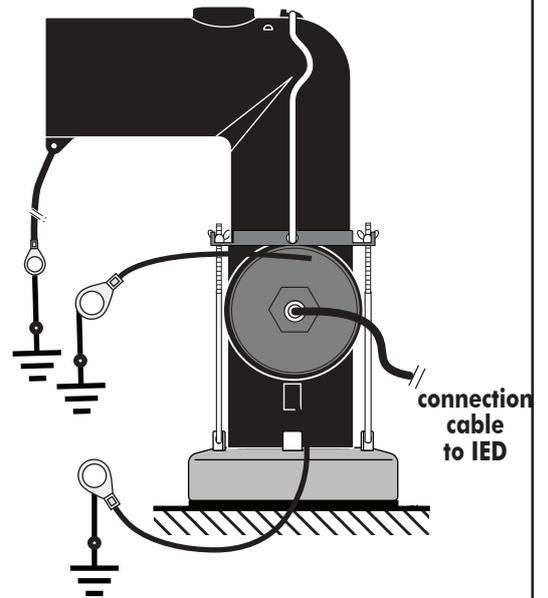
158LR



200SR



200LR



- 1 Connect the voltage sensor with the sensor-cable to the IED.
- 2 Connect the earthing braid of the voltage sensor to the system earth.

! When installing the KAA4/8 adapter, the silicone grease to be applied to the interfaces is provided in the package of the kit. In subsequent operations, the interfaces must be carefully cleaned and coated with silicone grease prescribed by the manufacturer of voltage sensor and by the manufacturer of the separable connector.