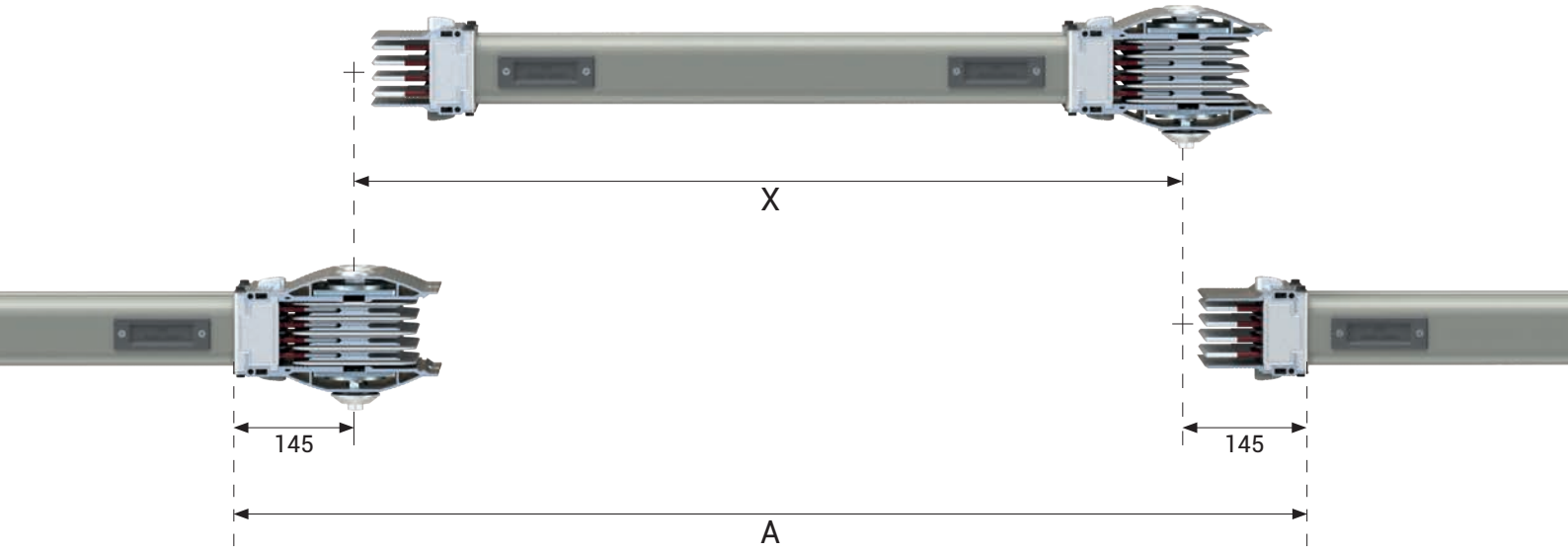
E-LINE CCR

▶▶Measuring Gap Distance

After installation of standard busbar 3m lengths, you will be in need of special lengths which are smaller than 3m.The minimum length for these special elements can be 450 mm. Please measure the lengths of these modules as shown below.

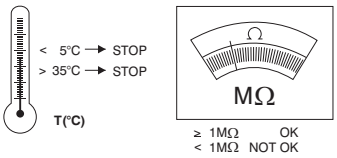
Length A is measured between housing of 2 busbars in cm. A. The special length is calculated by deducting 25 cm from this measured length. (The busbar module will be manufactured as per X value.)

X = A - 290mm X=Length of Special Busbar



▶▶Preparation of Joint Resin 4

The meger test must be carried out before casting. If Resin 4 (A) and Resin 4 (B) are stored in a cold environment, they should be kept in a warm environment one day before casting (> 20 °C). Ambient temperature during casting should be 5 °C < T casting < 40 °C.



Preparation of Resin 4

Resin 4 (A)

Resin 4 (B)

Based on the joint, find the total mixture from the table values on the side.

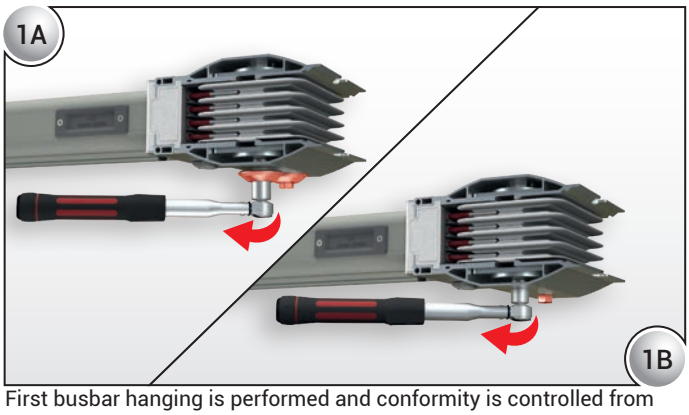
Mix the mixture with a beater at low speed for at least 5 minutes until it is homogeneous.

Amount of Resin to be Used

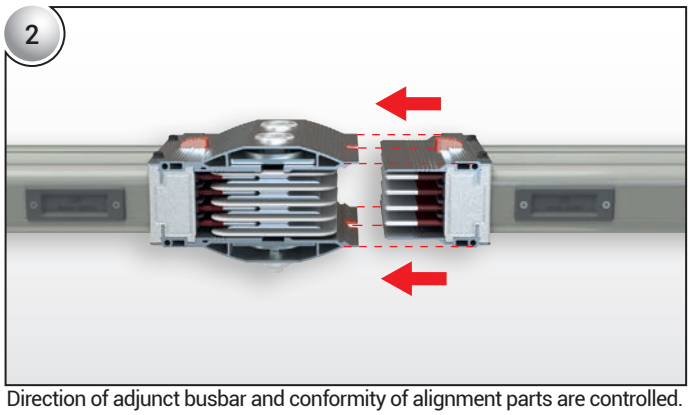
Copper (Cu)			
Rated Current	Busbar Code	Conductor Sections	4 Conductors (kg)
850	08	6x45	1,4
1000	10	6x55	1,4
1250	12	6x80	1,6
1600	16	6x110	1,8
2000	20	6x150	2,0
2500	25	2(6x80)	2,7
3200	32	2(6x110)	3,2
3400	34	2(6x125)	3,5
4000	40	2(6x140)	3,7
5000	50	3(6x125)	4,8
5750	57	3(6x160)	5,5
6300	63	3(6x180)	6,8

E-LINE CCR

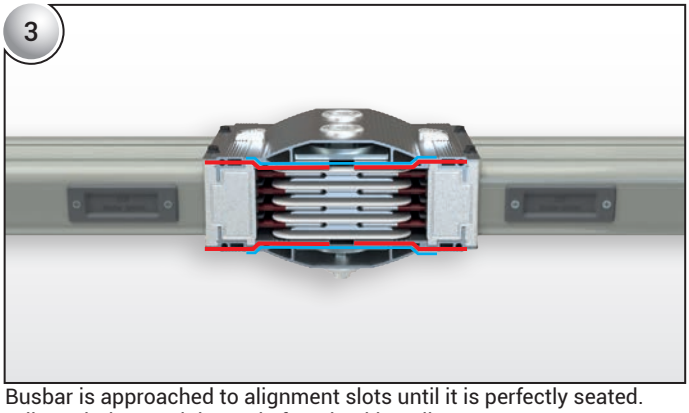
▶▶Installation / Horizontal



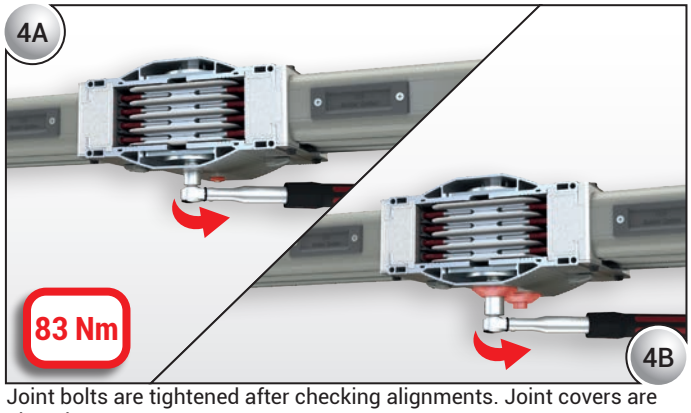
First busbar hanging is performed and conformity is controlled from each direc-tion. Adjunct bolts are lightly loosened.



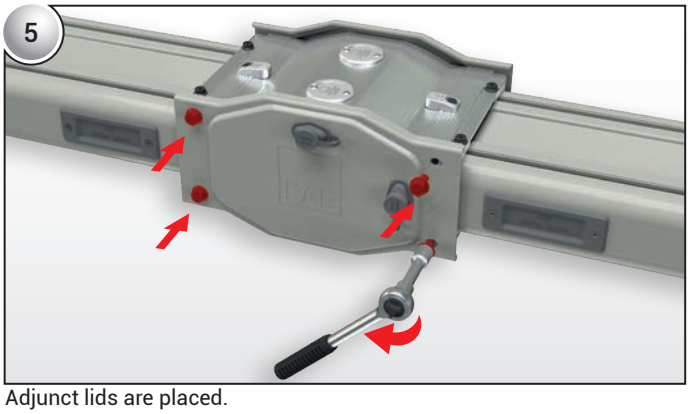
Direction of adjunct busbar and conformity of alignment parts are controlled. Busbar is assembled in a way to overlap small alignment parts.
Attention! Make sure that the conductors are dry and clean!



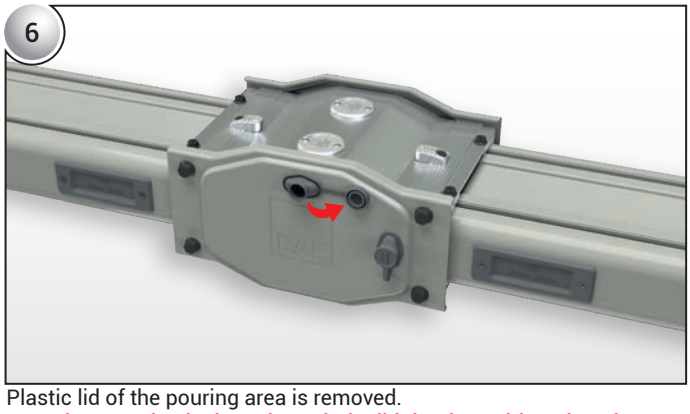
Busbar is approached to alignment slots until it is perfectly seated. Adjunct bolts are tightened after checking alignments.



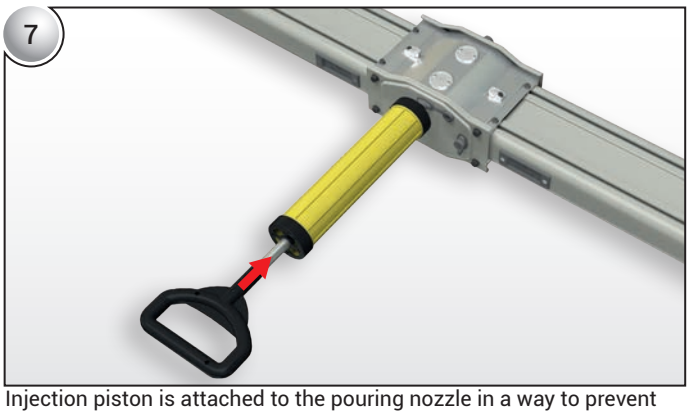
Joint bolts are tightened after checking alignments. Joint covers are placed.



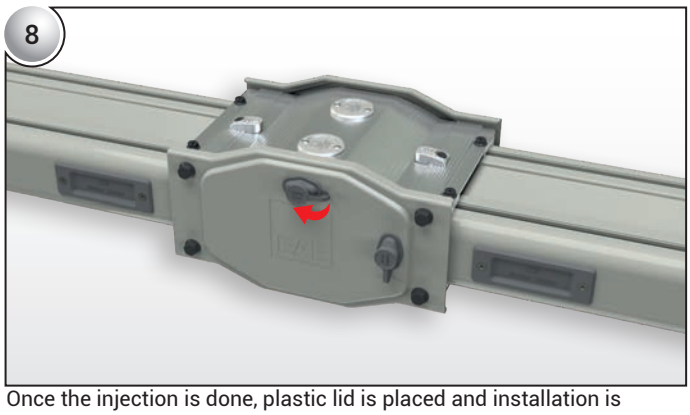
Adjunct lids are placed.



Plastic lid of the pouring area is removed.
Attention! Pouring is done through the lid that is positioned on the upper side according to the busbar position direction.



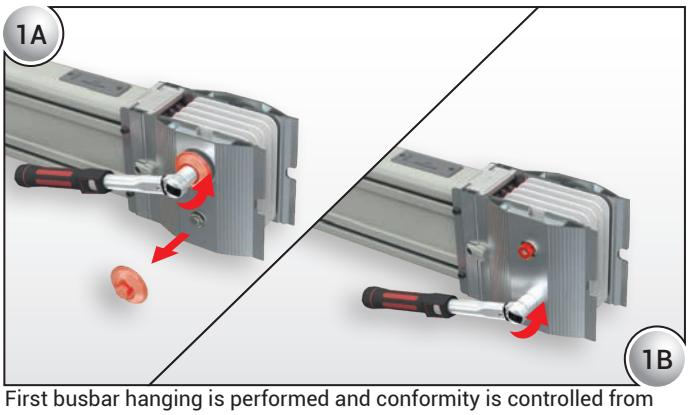
Injection piston is attached to the pouring nozzle in a way to prevent leakage, and “Resin 4” material injected inside the adjunct with the help of the handle.



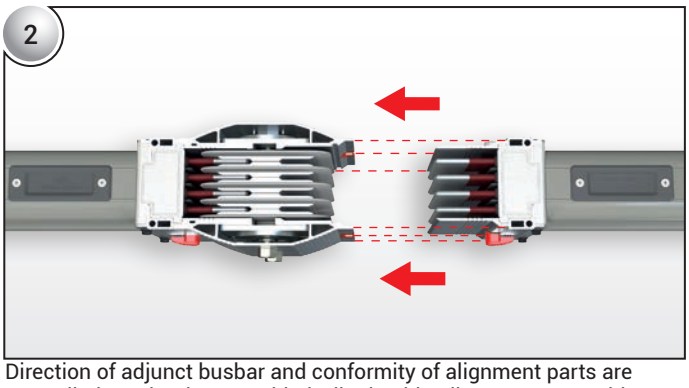
Once the injection is done, plastic lid is placed and installation is completed.

E-LINE CCR

▶▶Installation / Edgewise

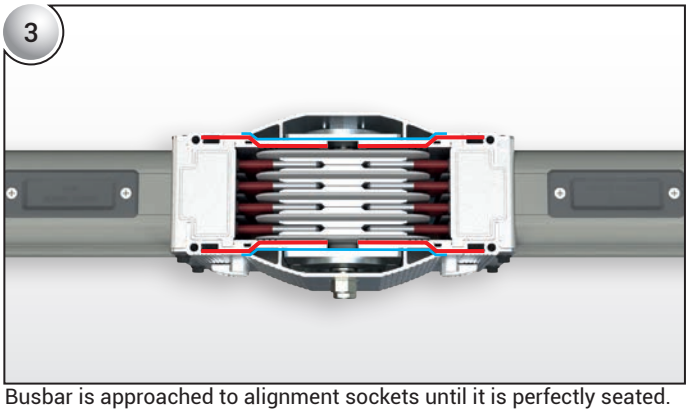


First busbar hanging is performed and conformity is controlled from each direction. Adjunct bolts are lightly loosened after removing the bolt protection lids.

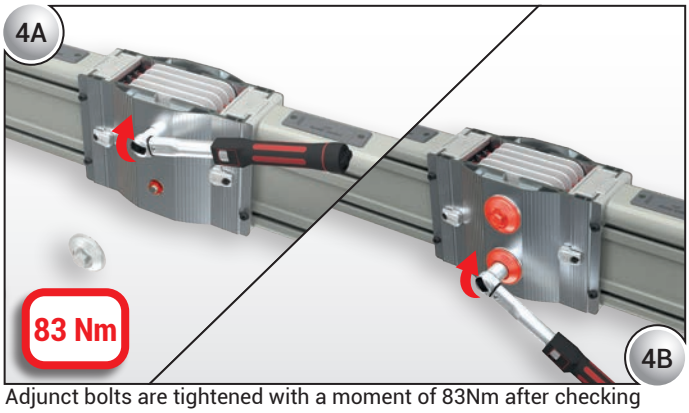


Direction of adjunct busbar and conformity of alignment parts are controlled. Busbar is assembled, aligning big alignment part to big, small part to small.

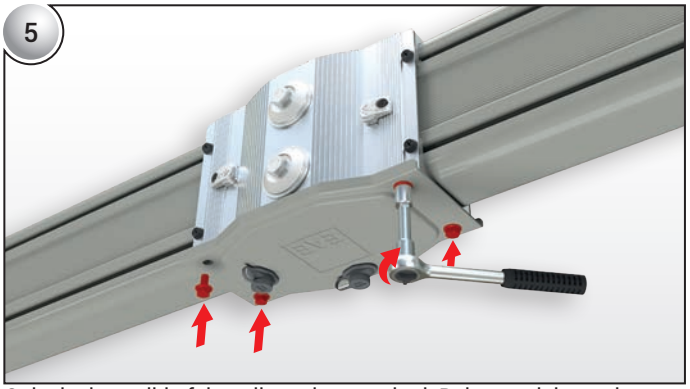
Attention! Make sure that the conductors are dry and clean!



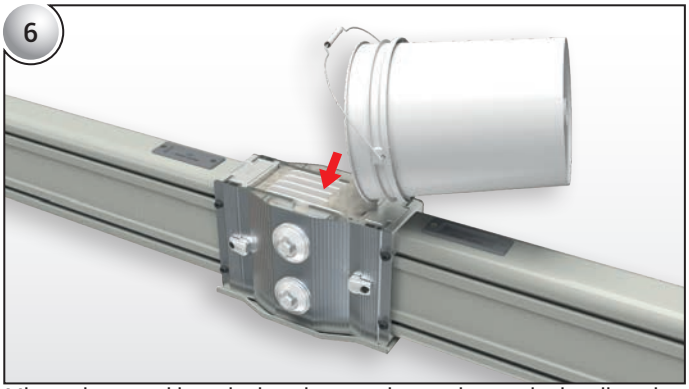
Busbar is approached to alignment sockets until it is perfectly seated.



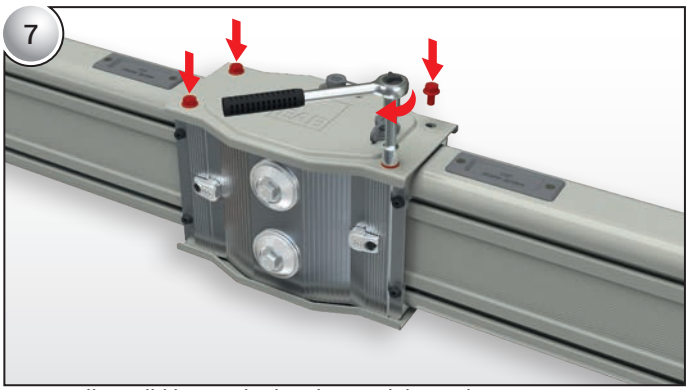
Adjunct bolts are tightened with a moment of 83Nm after checking alignments. Bolt protection lids are attached.



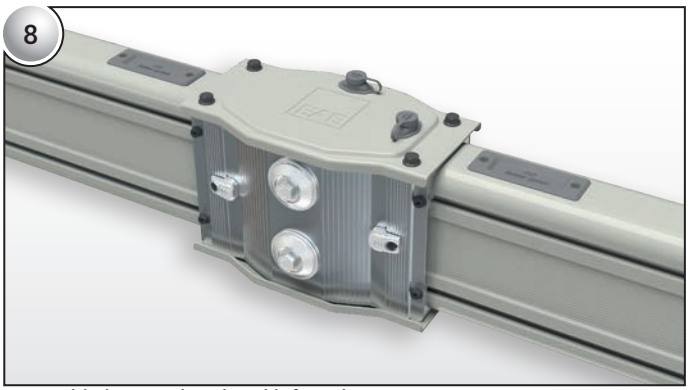
Only the lower lid of the adjunct is attac-hed. Bolts are tightened.



Mixture is poured in a single point over the conductors in the aligned adjunct with the lower-lid capped. It is poured until the maximum level.



Upper adjunct lid is attached. Bolts are tightened.

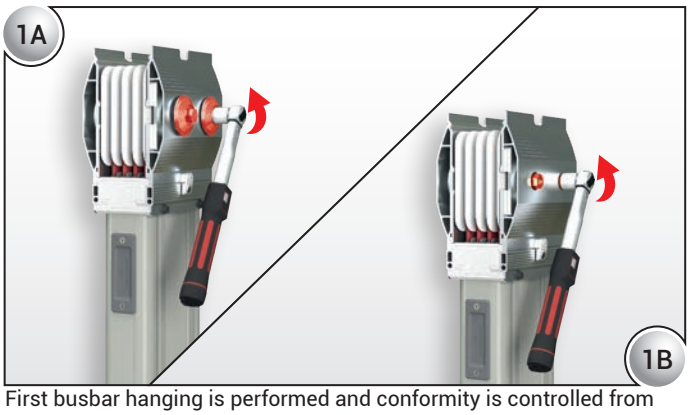


Assembly is completed and left to dry.

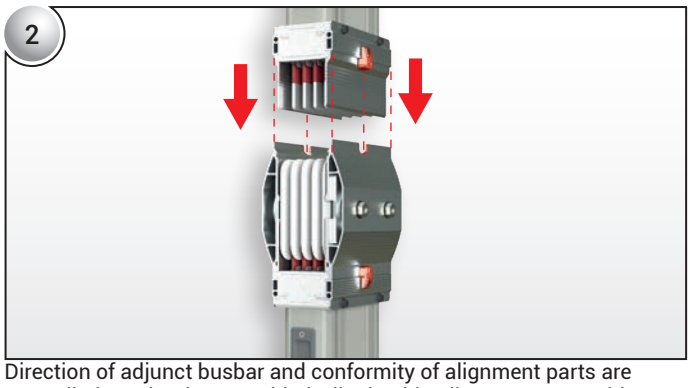
Note : Megger test may not be performed for 24 hours.

E-LINE CCR

▶▶Installation / Vertical

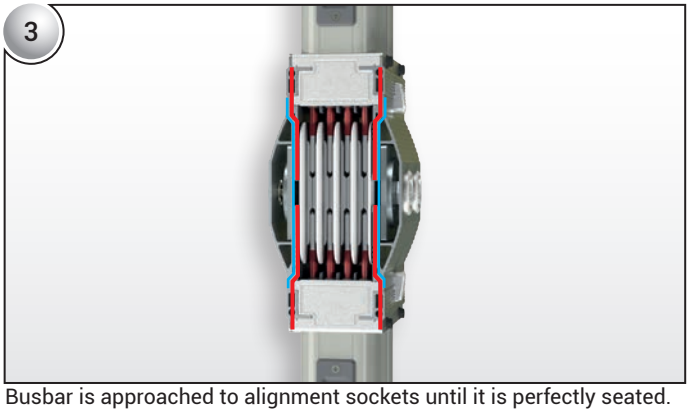


First busbar hanging is performed and conformity is controlled from each direction. Adjunct bolts are lightly loosened after removing the bolt protection lids.

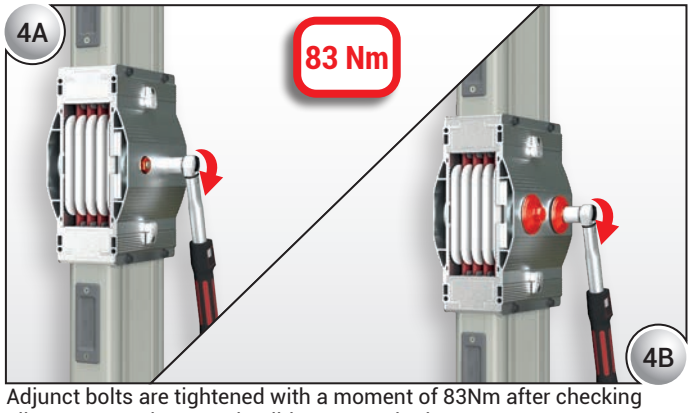


Direction of adjunct busbar and conformity of alignment parts are controlled. Busbar is assembled, aligning big alignment part to big, small part to small.

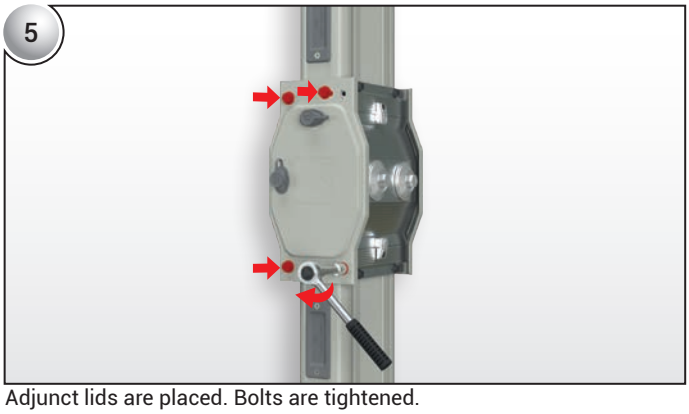
Attention! Make sure that the conductors are dry and clean!



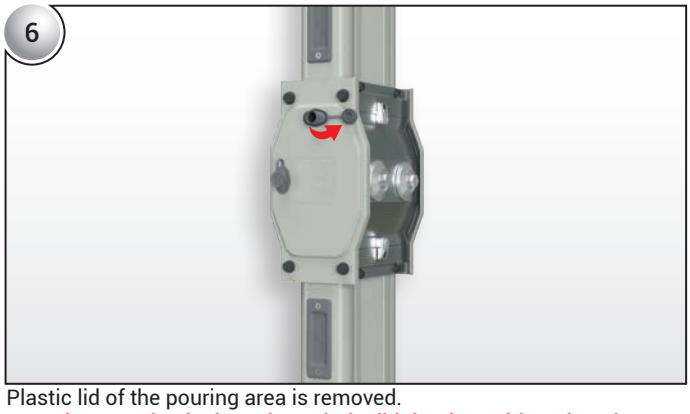
Busbar is approached to alignment sockets until it is perfectly seated.



Adjunct bolts are tightened with a moment of 83Nm after checking alignments. Bolt protection lids are attached.



Adjunct lids are placed. Bolts are tightened.



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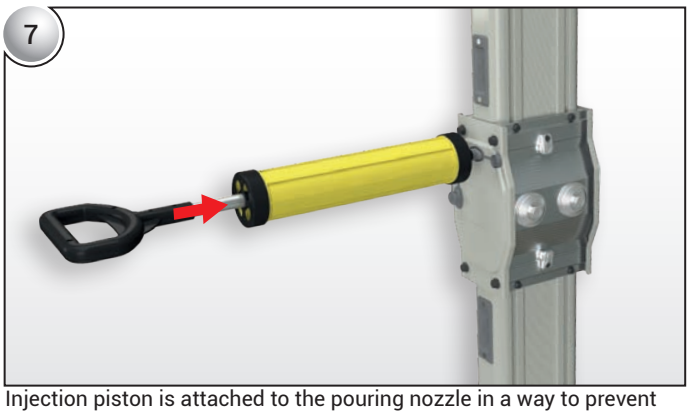

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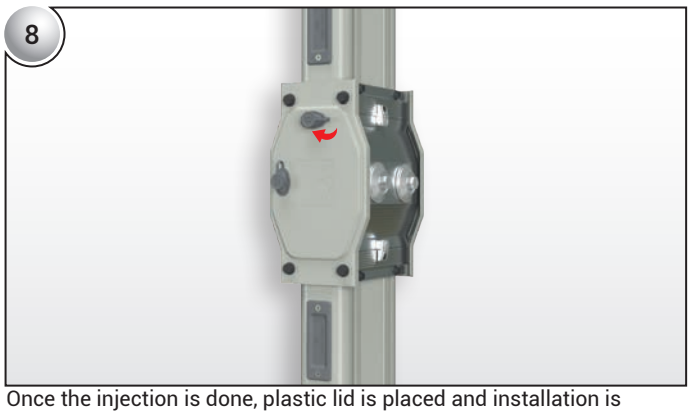

Once the injection is done, plastic lid is placed and installation is completed.