

Two stages bare conductor service connector



Michaud Exclusivity
Two stages connection



K235
with yellow shear head indicator

Application

This connector designed to connect the insulated service conductors to the low voltage overhead aluminium alloy or copper bare conductor network. Two versions are available according to the type of conductor to be connected (Al or Cu). The tap and main cables are connected separately step by step to improve the electrical connection:

- 1. First the tap line is connected by piercing the insulation,**
- 2. Then the main line is connected.**

Installation can be carried out under a maximum load of 100A.

The benefit:

- + Connection under load

Description

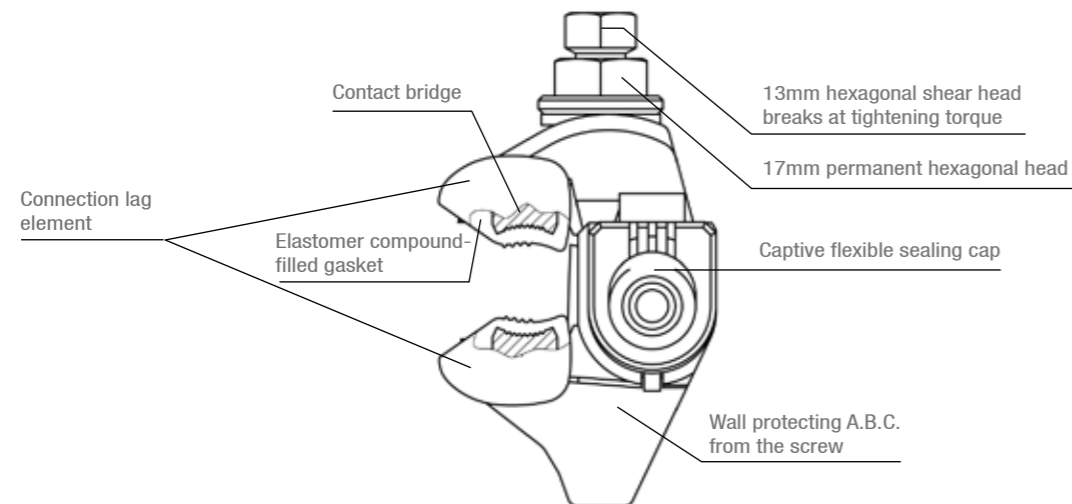
Connector general features:

- Piercing of the tap line and tightening of the main conductor are carried out step by step in a single tightening operation.
- The tightening screw is potential free.
- Tightening efficiency is ensured by a shear head screw.
- This connector is fitted with a yellow shear head indicator that disappears when head is sheared-off, being a clear visual confirmation of good tightening from ground level. It increases head height by 10 mm.

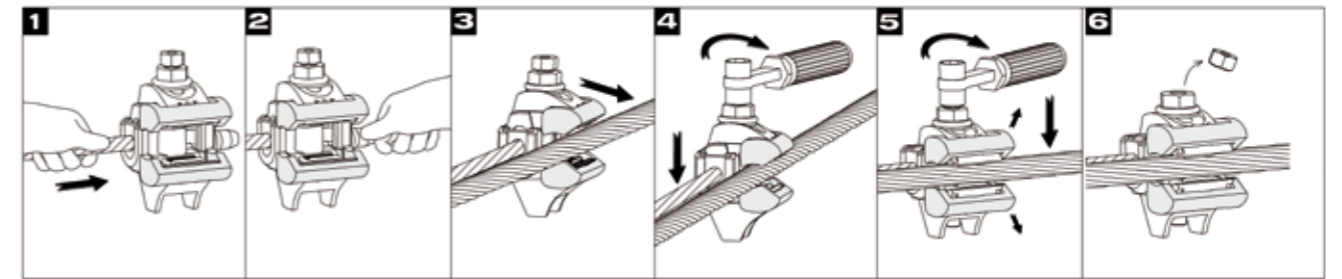
This connector meets the criteria of the **NF C 33-020** and **EN 50-483** standards.

Connector end cap:

- The connector end cap is flexible so that to feel good tap conductor insertion simply by hand.
- It is carrying membranes instead of grease, granting watertightness around tap conductor end on long term basis.
- It is glued on connector body so that to avoid eventual loss during handling, installation and environment (wind, bad weather...).
- It can be equipped with a hard end cap, gripping and covering so, in case rigid cover is required. (Part Number K246 : please enquire for further information).



Installation



Insert the insulated service conductor into the connector so that its end seats in the flexible end cap. **1 2**
Install the connector correctly on the bare line. The conductor stays on the lag elements made of synthetic material. **3**
Note: The contact bridges remain away from the bare conductor.

Use a 13mm spanner and follow the two stage connection principle hereafter:

(a) Connection of the insulated tap cable:

- * The insulated tap conductor is connected by insulating piercing. **4**

(b) Connection of the bare main cable:

- * Tighten the connector on the bare conductor,
- * The lag elements are automatically pushed away and the bare main conductor is connected, **5**
- * Tighten the connector fully on to the bare conductor until the shear head breaks. **6**

The 17mm permanent screw head is only provided for possible dismantling. It must no be used to re-tighten the screw after the 13mm head has broken.

Installation can be carried out on a live line but with a maximum load of 100A on the tap conductor.

STAINLESS STEEL FASTENERS (SF) + YELLOW SHEAR HEAD INDICATOR

Code	Designation	Contact bridge	Capacities Main bare (mm ²)	Capacities Tap insulated Al-Cu (mm ²)	Weight (kg)	Sales unit
K235	2 STAGES CONNECTOR RDP/CNU 95 SF	Brass	Cu 7-95	6-35	0.170	4
K236	2 STAGES CONNECTOR RDP/CNA 95 SF	Aluminium Alloy	Al 7-95	6-35	0.170	4

SEE SHEET
INSTALLATION / LV insulated toolings