

CLEANING SUPPORT BAR INSULATION

To avoid scratching the varnish, blow out or remove with a soft brush any dust deposits between live parts. This operation is very important when dust contains conducting materials and should be performed frequently.

RUPTURING POLE ADJUSTMENT

I WITHOUT OVERLAPPING (FOR CBA & CBFC)

- For adjustment of main poles, see maintenance instructions M24320A/01 chapter "REPLACING THE CONTACTS " to obtain a wippe between 3.2 & 3.7 mm for the poles range 400 to 630 and a wippe of 4 or 5 for the poles range 800 to 1000A.
- The dimension F of the rupturing pole (picture n°1) must be between 10 & 12 mm.

II WITH OVERLAPPING (FOR CEX)

- For adjustment of main poles, see maintenance instructions M24320A/01 chapter "REPLACING THE CONTACTS " to obtain a 3.7 mm wippe for the poles range 400 to 630 and a wippe of 5 for the poles range 800 to 1000A.
- The dimension F of the rupturing pole (picture n°1) must be 6 mm.

III METHOD FOR ADJUSTMENT

- In case it does not have any mechanical latching with electrical release, the contactor must be closed otherwise mechanically latched.
 - To obtain adjustment, you can add or remove shim(s) M.
 - * by removing a shim, you will increase dimension F.
 - * by adding a shim, you will decrease dimension F.
 - To perfect the adjustment, act on the screws N & O.
 - * If you loose the screw O, you will tighten the screw N accordingly, the dimension F will be decreased.
 - * If you loose the screw N, you will tighten the screw O accordingly, the dimension F will be increased.
 - To optimize the adjustment, there is the possibility to trigger the spring P by acting on the nut E, but the dimension H always remains between 34 & 36 mm.
- There must be a correct pressure on contact fingers and the bounce effect must be reduced. The checking of overlapping or not can be done by oscillographical plotting.

NOTA :

To optimize the overlapping, we can reduce the dimension F to 5 mm during the adjustment, but without never being lower.



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CONTACTORS TYPE
CBA - CBFC - CEX 75 - 400 TO 1000

MAINTENANCE
INSTRUCTIONS
M25412A/02
02/02

MAINTENANCE

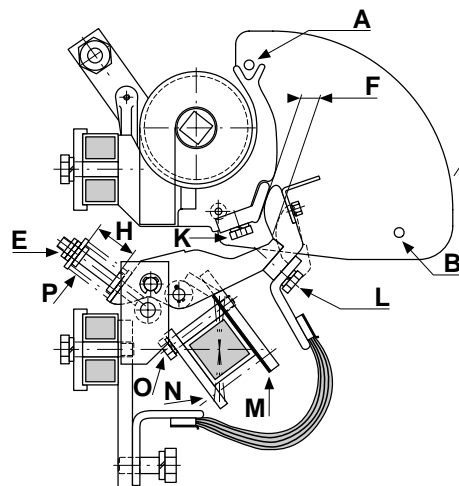
Check to ensure that the nuts and screws for securing the contactors and tightening the connections remain properly locked and restrained.

Check to ensure that the shaft moves freely in its bearings with a slight lateral gap (maximum 1 mm).

The bearings require no maintenance. They are factory-lubricated for the design life of the contactor.

Make sure that the surfaces in contact with the fixed and moving magnetic circuits are always very clean.

RUPTURING POLE MAINTENANCE



Remove blowout cage if there is :
Release it from plastic ring B and swing around pin A.

When the wear of the silver chip fingers is too great, you have to change the contacts.

Make sure that no metal has been deposited on the arc chute inner walls due to arcing.

Remove any significant metal deposits by lightly scraping the wall and then blow out the arc-chute. After inspection, put the arc-chute back in place and tightly secure it in the plastic retention ring.

Make sure that the moving contact of the pole moves freely without rubbing against the arc-chute inner walls.

The contacts require practically no maintenance. If slight beadings occur, remove them with a smooth file.

Never use abrasive cloth or paper.

REPLACING THE CONTACTS

Remove the arc-chute if there is.

- fixed contact : remove the screw K

- moving contact : remove the screw L

Reassemble in the reverse order and take into account the recommendations in chapter «RUPTURING POLE MAINTENANCE».



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