

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 & CBC)

- For adjustment of main poles, see maintenance instructions M24220A/01 chapter «REPLACING THE CONTACTS» to obtain a wippe :
 - CBA , CBC , CEX 80 A between 2.4 & 3.2 mm
 - CBA , CBC , CEX 150 A (copper contact) between 3.9 & 4.9 mm
 - CBA , CBC , CEX 150 A (silver contact) between 3 & 4 mm
 - CBA , CBC , CEX 200 A (copper contact) between 3.9 & 4.9 mm
 - CBA , CBC , CEX 200 A (silver contact) between 2.9 & 3.9 mm
- The dimension F of the rupturing pole (picture N° 1) must be :
 - For the range 80A, between 7 & 8 mm
 - For the range 150 and 200A, between 7.5 & 8.5 mm

II WITH OVERLAPPING (FOR CEX)

- For adjustment of main poles, see maintenance instructions M24220A/01 chapter «REPLACING THE CONTACTS» to obtain the same wippe as in the above chapter.
- 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.
- The adjustment is obtained by acting on the screws N and 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.
- The checking of overlapping or not can be done by oscillographical plotting.

NOTA :

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



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CONTACTORS TYPE
CBA - CBC - CEX 80 to 200

MAINTENANCE
INSTRUCTIONS
M25414A/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 device.

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 :

Squeeze against one another both supports of the arc-chute by raising it.

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.

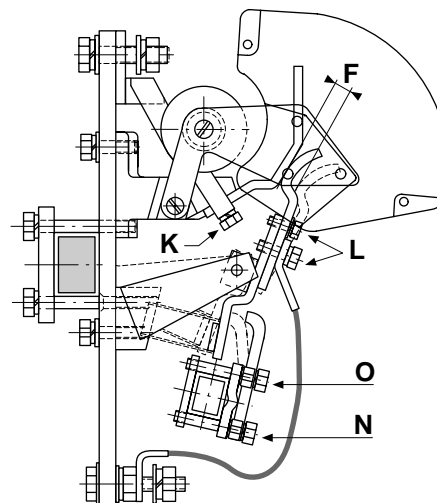
Remove any significant metal deposits by lightly scraping the wall and then blow out the arc-chute.

After inspection, put the arc-chute back in place.

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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