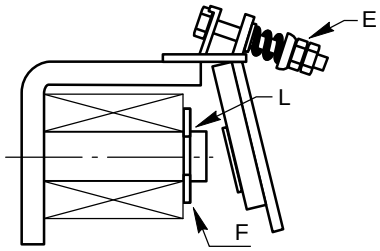
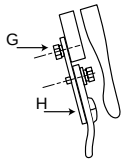
REPLACING THE CLOSING COIL



- Remove moving frame after having released axis E.
- Remove brake washer F with a screwdriver.
- Release the coil to the front of the relay.
- To put the coil back in place, perform the above operations in reverse order.
- Make sure that brake washer is completely pushed in the core.

REPLACING THE MOVING CONTACTS



Remove the arc chute if there is.

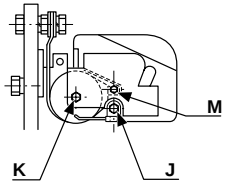
*** central contact**

Remove both screws G, which fix the contact support H on moving frame.

*** side contact**

Remove axis A, what will release the spring and the contact.

REPLACING THE FIXED CONTACTS



*** contacts without blowout**

Loosen screws or nuts.

*** contacts with blowout**

- Remove the arc chute
- Remove the screw J holding the contact

For reassembly, make sure to connect the blowout coil between the fixed contact and the screw J.

REPLACING THE BLOWOUT COIL

- Remove the arc chute
- Disconnect the coil
- Remove the screw K holding the core (if necessary, loosen the screw M to release core downwards)
- Put the core equipped with the coil back in place and secure with the screw K.
- Connect the conductor that penetrates the flange of the coil at the contact finger using the finger mounting screw : THIS CONDUCTOR MUST BE ON THE LEFT
- Connect the conductor on the right side to the input terminal
- Tighten the screw M and put the arc chute back in place

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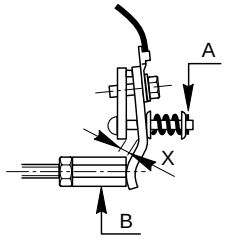
MAINTENANCE

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 moving part can move freely without rubbing.

CONTACTS MAINTENANCE

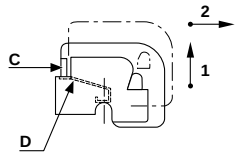


*** Contacts without blowout**

Check the distance X
When this distance measures 0.5 mm due to wear of the contacts, adjust the fixed contact B through its thread so that distance X should be between 1.5 and 2 mm.

***Contacts with blowout**

Remove the arc chute
Check distance X
When this distance measures 1 mm, the contacts should be changed.



Push the arc chute upwards and swing around C (arrow1) to release the arc chute rear bosses from their seat.
Then pull the arc chute out (arrow 2)
To put the arc chute back in place, perform the above operations in reverse order.
Then make sure it sits correctly on the fixed chute tip (D) and that the bosses are completely fitted into their seats.
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 blowout the chute.

CLEANING THE INSULATING MATERIALS

To avoid scratching the varnish, blowout 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.

CLEANING THE MAGNETICAL PART SURFACES

Blowout or remove with a soft brush any dust deposits between magnetical part surfaces.
This operation is very important and should be performed frequently.
These dust deposits can modify adjustment value between magnetical parts, what can cause modifications for adjustment values of the device, particularly for the magnetical delayed relays.

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RELAY TYPE

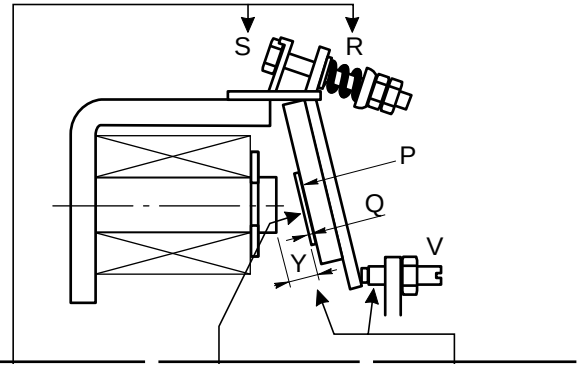
RBC 1054 - Z

MAINTENANCE INSTRUCTIONS

M25410A/01 02/02

MODIFICATION OF ELECTRICAL ADJUSTMENT

The electrical adjustment of the devices is usually made at works.
If you need to modify it, please take the following informations into account :



		Adjustment of the spring R pressure by the screw S		**Adjustment of the magnetical part Q by changing the plate P (1)**		**Adjustment of the magnetical part Y by the screw V**	
		PRESSURE		MAGNETICAL PART		MAGNETICAL	
		increase	decrease	increase	decrease	increase	decrease
CLOSING voltage or current							
		*				*	
	decrease		*				*
	increase	*		*			
	decrease		*		*		
DELAY							
	increase		*		*		
	decrease	*		*			

(1) relays delivered usually with 0.25 mm gap plate.
0.5 - 0.2 (made of bi-metal non-magnetic thickness 0.0125 mm) and 0.1 plates can be delivered on request.

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