



INSTRUCTIONS

MAGNETIC SWITCHES CR2811-B100 TO -B105 MAGNETIC CONTACTORS CR2810-B11

NEMA SIZE 0

GEJ-2029F

Supersedes GEJ-2029E

RATINGS

Max Volt- age	8-hr Current	A-c Volts	Max Hp for A-c Motors	
			Single- phase	Poly- phase
600	20.0 AMP (OPEN)	110	1	2
	18.0 AMP (ENCLOSED)	220	2	3
		440/600	3	5

The CR2811-B magnetic switch is an enclosed CR2810-B11 contactor having two, three, four, or five poles. A typical magnetic contactor is shown in Fig. 1.

The General Purpose Type 1 enclosed form has a "knockout" in the cover for easy installation of a pushbutton or selector switch kit, listed under accessories, below.

INSTALLATION

1. Remove all packing.
2. Clean the magnet surfaces.
3. Operate the armature by hand to be sure that all moving parts move freely.

MAINTENANCE

The sealing surfaces on the magnet frame and armature should be kept clean.

The silver contacts require no attention but must be replaced before the silver is completely gone. Filing or otherwise dressing the contacts results only in loss of silver and reduces normal contact life.

Removal of Coil

Remove screws (A), (B) and armature stop (D), Fig. 1. Push up on the operating arm for the movable contacts (C), grasp the coil with the other hand, keeping the thumb under the armature (F), and draw the coil and armature from the contactor. When reassembling make certain that the projections at the ends of the armature guide fit into the slots in the molded operating arm for the movable contacts. The two screws (A) are double heat treated. When replacing, tighten them securely.

ACCESSORIES

DESCRIPTION	CAT. NO.
Auxiliary Electrical Interlock with one normally open contact (either side)	9609200 BCW
Auxiliary Electrical Interlock with one contact normally open, the other normally closed (either side)	9609200 BJW
Pushbutton Kit	CR9906-C106A
Selector Switch Kit	CR9906-C107A

Removal of Contacts

Loosen screws (E), Fig. 1, and remove the cover for the stationary contact support. Then take out screws (B) and remove the operating arm for the movable contacts. By pushing the movable contact down and turning it sideways, it can be removed from the support.

Remove the screws which hold the stationary contacts to the molded support and remove the contacts.

Changing or Replacing Stationary Contact Support

If for any reason the stationary contact support is removed from the contactor base plate, reassemble as follows. Fasten the stationary contact support to the base plate with the three screws tightened slightly. For contactors having all normally open poles, or a combination of normally open and normally closed poles, but with normally open poles at the extreme left and extreme right, place a 3/32-inch spacer in the magnet gap "X," Fig. 1, on both sides and close the contactor manually. Adjust the contact support on the base plate so that the extreme normally open poles just make contact. Then tighten the screws.

For contactors having all normally closed poles, or a combination of normally open and normally closed poles, but with normally closed poles on the extreme left and extreme right, place a 3/32-inch spacer in the magnet gap "X," Fig. 1, on both sides and close the contactor manually. Adjust the contact support on the base plate so that the extreme normally closed poles

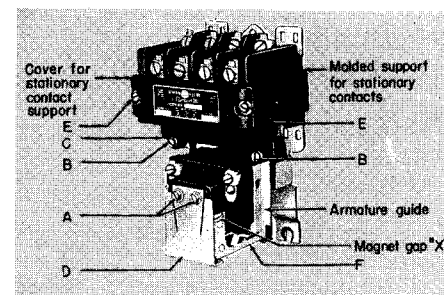


Fig. 1. Typical CR2810 Size 0 magnetic contactor

just break contact. Then tighten the screws.

For contactors having only one normally open and one normally closed pole, place a 3/32-inch spacer in the magnet gap "X," Fig. 1, on both sides and adjust the contact support on the base plate so that the normally open pole will just make contact. After adjustment, tighten the screws.

Changing the Contacts from Normally Open to Normally Closed

Remove the movable contacts as previously described. Remove and interchange the stationary contacts, but before replacing the front stationary contacts, invert the movable contacts in the operating arm leaving the springs attached. Reassemble the operating arm and movable contacts making certain that the open end of each spring rests over the molded projection in the top of the stationary contact support. Replace the front stationary contacts.

PRINCIPAL RENEWAL PARTS

DESCRIPTION	CAT. NO.
Complete set of stationary and movable contacts and springs . . .	101X110
3 poles and 1 holding interlock . . .	6960045G36
1 pole . . .	
Overload relay, CR2824-41L	
Molded support for stationary contacts . . . 2-3 pole	9004755PI
4 pole	9004756PI
5 pole	9004757PI

DESCRIPTION	CAT. NO.
Cover for stationary contact support . . . 2-3 pole	9004758PI
4 pole	9004759PI
5 pole	9004760PI
Operating arm for movable contacts . . . 2-3 pole	9348438PI
4 pole	9348439PI
5 pole	9348440PI
Coil	Order by Cat. No. marked on coil.

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the General Electric Company.

GENERAL PURPOSE CONTROL DEPARTMENT

GENERAL  ELECTRIC

BLOOMINGTON, ILL.