



CAUTION: Before installing in a nuclear application, determine that the product is intended for such use.

RENEWAL PARTS

CR120A, CR120C, and CR122A 300 volt industrial relay

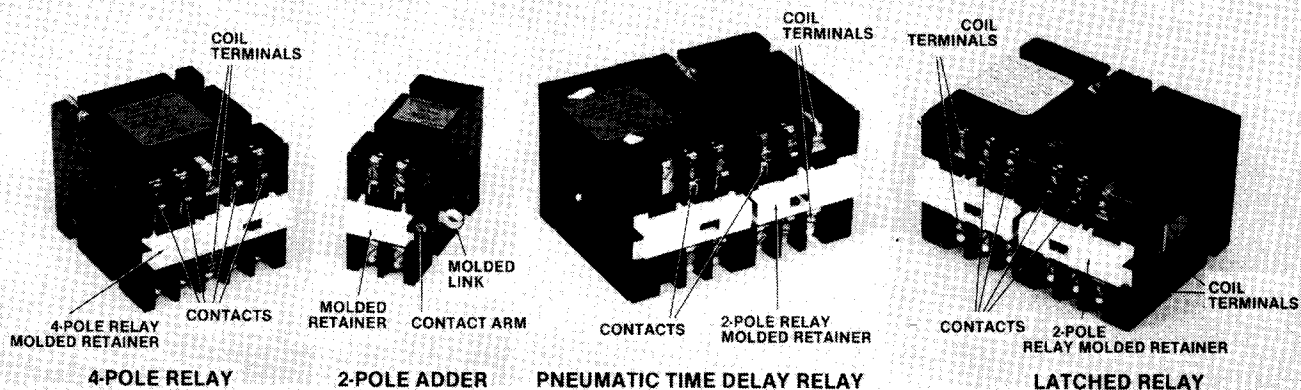


FIGURE 1 — 300V INDUSTRIAL RELAYS

HOW TO DETERMINE PARTS FROM THIS BULLETIN

1. Determine complete Catalog Number.

EXAMPLE A: CR120A 021 02 AA

a bc d e

EXAMPLE B: CR120A 121 02 AA

a bc d e

- a— Root Catalog Number.
- b— Type of Enclosure. Example A has no enclosure; Example B has Type 1 enclosure.
- c— Number and types of poles. In each example, 2 N.O. poles and 1 N.C. pole.
- d— Coil. In these examples, 115 volts, 60 hertz rating.
- e— Form. In these examples, with clamp-type, convertible contacts.

2. Determine proper quantity and Catalog Number of parts (other than coils) from tabulation.
3. Where a double asterisk (**) appears, the coil suffix is identified. Catalog Number of the coil should be obtained by reference to the proper table.

NOTE—N.O. designates "Normally Open"
N.C. designates "Normally Closed"

NOTE—The "0" after CR120A designates "No Enclosure"
The "1" after CR120A designates "Type 1 Enclosure" } Basic parts for open and enclosed forms are identical

PARTS FOR "STAND-BY" SERVICE

The following may be used to aid the User in a "Preventive Maintenance" program.

The parts shown in this bulletin may require occasional replacement due to normal wear. This table gives suggested quantities of these parts the User should stock for "Stand-by" service.

TO USE THE TABLE — take the following steps:

1. Determine the total number of similar devices or forms in your possession or on your order.
2. Determine the number of parts in use on these devices.
3. From the Table, determine the suggested stock requirements. (For Foreign applications, we suggest the quantities be doubled.)

Part Description	Min. Quantity For (1) Device	or	% of Total Number of Similar Devices
Coil	1		20%
Contact Kit or Arm Assembly	1		50%

CONTACT SETS AND KITS AVAILABLE

Contacts, springs and screws are also available in sets of one pole and kits of four poles per the following table:

	Forms AA, AC
1-pole set	55-153944G001
4-pole kit	55-153944G002

ACCESSORIES

Trough Cover	CR120X12A
Retaining Shield	CR120X11A
Bracket Kit	CR120X13A

This bulletin does not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with its 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 nearest authorized General Electric Renewal Parts Distributor.

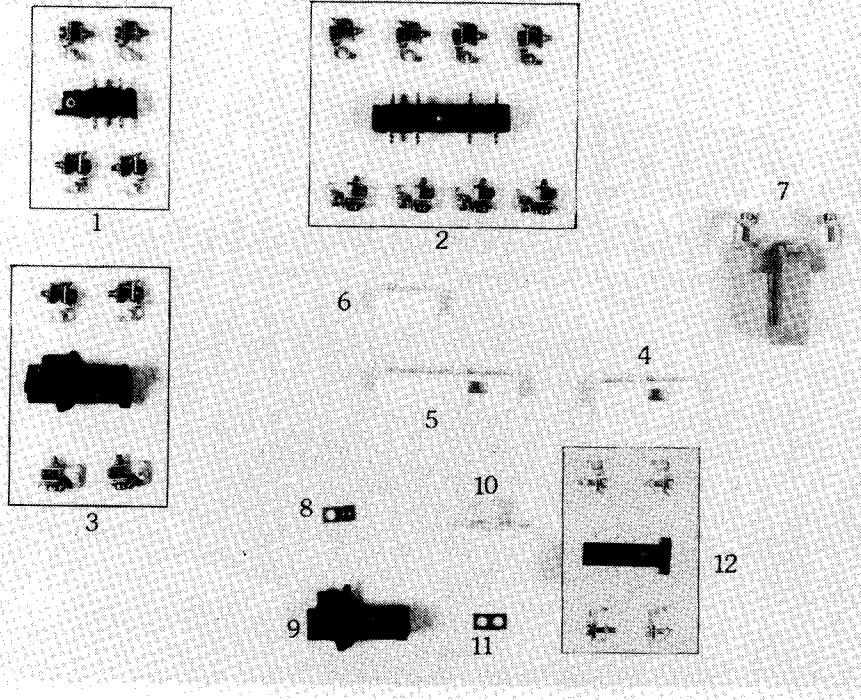


FIGURE 2—300 VOLT RELAY PARTS

CR120A0 & CR120A1 — RELAYS

REF. NO.	RECOMMENDED FOR STOCK	DESCRIPTION	NUMBER & TYPES OF POLES N.O. → N.C. ↓	CUSTOMER has this device → See NOTE 3																								
				2	1	0	3	2	1	0	4	3	2	1	0	6	5	4	3	2	1	0	8	7	6	5	4	3
				ORDER these parts in quantities shown																								
				CATALOG NUMBER																								
1	X	2-pole movable contact arm complete with movable contacts, stationary contacts, springs, screws, for use with 2-pole adder (clamp-type terminals).	55-153944G004 See NOTE 1	AA	AA	AC	AA	AA	AC	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA
2	X	4-pole movable contact arm complete with movable contacts, stationary contacts, springs, screws, for use with 4-pole relay (clamp-type terminals).	55-153944G003 See NOTE 1				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	X	2-pole movable contact arm complete with movable contacts, stationary contacts, springs, screws, for use with 2-pole relay (clamp-type terminals).	55-153944G012 See NOTE 1	1	1	1																						
4		2-pole molded retainer (white marking strip) for use with 2-pole relay.	55-651401P003	1	1	1																						
5		4-pole molded retainer (white marking strip) for use with 4-pole relay.	55-650378P003				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6		2-pole molded retainer (white marking strip) for use with 2-pole adder.	55-501383P003											1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
7	X	Operating coil (with clamp-type terminals).	See Table	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8		Connecting strap (used to connect 2-pole adder to relay).	55-153576P001											2	2	2	2	2	2	2	2	4	4	4	4	4	4	4

NOTE 1: 2- and 4-pole molded contact arms, complete with movable and stationary contacts, include all movable contacts assembled to the arm in the N.O. position. They may be readily converted by the user to N.C. as required.

NOTE 3: These relays are supplied with or without NEMA Type 1 General Purpose Enclosures. The "0" after CR120A designates no enclosure. The "1" after CR120A designates Type 1 enclosure. Parts for either are identical.

NOTE 2: N.O. designates "Normally Open"
N.C. designates "Normally Closed"

OPERATING COILS**Ac—**

Where ** appears in Catalog Number of complete relay, the relay coil suffix number and coil rating are identified. EXAMPLE: CR120A02002AA uses relay coil suffix number 02 which is rated 115 volts, 60 hertz. The replacement coil Catalog Number is shown in table below in the far right column.

NOTE: Dc coils are **not** field replaceable.

RELAY COIL ** SUFFIX	VOLTS	HERTZ	COIL REPLACEMENT CATALOG NUMBER
02	115	60	55-000001G002
03	230	60	55-000001G003
07	110	50	55-000001G007
08	230	50	55-000001G008
21	48	60	55-000001G021
23	32	60	55-000001G023
24	24	60	55-000001G024
45	12	60	55-000001G045
46	6	60	55-000001G046

