

File E321783  
Project 13CA33180

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REPORT

On

COMPONENT - MOTOR CONTROLLERS, MAGNETIC

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## DESCRIPTION

## PRODUCT COVERED:

USR, CNR - Magnetic, Motor Controllers, Cat. No. GK, followed by -A, -B, -C, -D, -D2, followed by -1, followed by A, B or C, followed by -5, -6, -9, -12, -15, -18, -24, -36 or -48, followed by D, followed by C or Blank, followed by F or Blank.

## GENERAL:

The devices are open type magnetically operated relays NOT for use in industrial control applications. Spacing of this device doesn't meet the requirement of UL 508 table 36.1 (Through Air: 6.4 mm, over surface: 9.5 mm). The devices single pole, single throw or double throws relays configuration.

## ELECTRICAL RATINGS:

| Catalog No. | Coil Voltage Vdc                | Contact Arrangement             | Contact Ratings   |                 | Electrical Operating cycles | Load Type               | Surrounding Air Temperature (SAT) (°C) |
|-------------|---------------------------------|---------------------------------|-------------------|-----------------|-----------------------------|-------------------------|--|
|             |                                 |                                 | Rated Voltage Vac | Rated Current A |                             |                         |  |
| GK          | 5,6,9,12,<br>15,18,24,36,<br>48 | 1 Form A                        | 277               | 40              | 6,000                       | Resistive               | 85                                     |
|             |                                 |                                 | 277               | 1.5 hp          | 6,000                       | hp                      |  |
|             |                                 |                                 | 240               | 2 hp            | 100,000                     | hp                      |  |
|             |                                 | 1 Form B &<br>1 Form C(NC side) | 277               | 30              | 6,000                       | Resistive               |  |
|             |                                 | 1 Form A &<br>1 Form C(NO side) | 277/250/125       | 30              | 100,000                     | Resistive & General use |  |

Note: Contact Configuration Breakup

Form A: where A - Normally Open

Form B: where B - Normally Closed

Form C: where C - Normally Open and Normally Closed.

## NOMENCLATURE 1:

|    |   |    |   |     |    |   |    |    |     |      |
|----|---|----|---|-----|----|---|----|----|-----|------|
| GK | - | A  | - | 1   | A  | - | 48 | D  | C   | F    |
| I  |   | II |   | III | IV |   | V  | VI | VII | VIII |

## I. Model Designation

GK

## II. Terminal Type and Housing Type

A: PCB Terminal with "T" shaped Housing  
 B: PCB and Quick Connect Terminal with High Housing  
 C: PCB and Quick Connect Terminal with Low Housing  
 D: PCB and Quick Connect Protection Terminal with Low Housing  
 D2: PCB and Quick Connect Protection Terminal with High Housing

## III. Number of Pole

1: Single Pole

## IV. Contact Arrangement

A: Form A  
 B: Form B  
 C: Form C

## V. Coil Voltage

5: 5 Vdc      18: 18 Vdc  
 6: 6 Vdc      24: 24 Vdc  
 9: 9 Vdc      36: 36 Vdc  
 12: 12 Vdc    48: 48 Vdc  
 15: 15 Vdc

## VI. Coil Power Consumption

D: Normal power consumption with 0.9 W

## VI. Enclosure

Blank: Sealed Type  
 C: Unsealed Type

## VIII. Enamelled Wire

F: 155°C  
 Blank: 130°C