

## DESCRIPTION

### PRODUCT COVERED:

USR, CNR - Component - Switches, Industrial Control, Type JZC-33F Series. See nomenclature for designation.

### GENERAL:

These devices are enclosed, magnetically operated, single-pole, normally open (Form A) or double throw (Form C) relays, with normally open and normally closed contacts. They are for use in industrial applications.

USR - Investigated to Standard UL 508.

CNR - Investigated to Canadian Standard C22.2, No. 14.

### ELECTRICAL RATINGS:

|           |      |    |           |              |               |                 |
|-----------|------|----|-----------|--------------|---------------|-----------------|
| Contact - | 5.0  | A, | 250 V ac, | general use, | 100 K cycles, | normally open   |
|           | 5.0  | A, | 30 V dc,  | resistive,   | 100 K cycles, | normally open   |
|           | 10.0 | A, | 125 V ac, | general use, | 100 K cycles, | normally open   |
|           | 8.0  | A, | 250 V ac, | general use, | 50 k cycles,  | normally open   |
| *         | 10.0 | A, | 277 V ac, | 0.4-0.5 P.F. | 10 k cycles,  | normally open   |
|           | 3.0  | A, | 250 V ac, | general use, | 100 K cycles, | normally closed |
|           | 3.0  | A, | 30 V dc,  | resistive,   | 100 k cycles, | Normally Closed |
| Coil -    |      |    | 24 V dc   |              |               |                 |

### NOMENCLATURE:

|                |            |          |          |          |
|----------------|------------|----------|----------|----------|
| <u>JZC-33F</u> | <u>012</u> | <u>H</u> | <u>S</u> | <u>L</u> |
| a              | b          | c        | d        | e        |

a - Model

b - Coil Voltage = 3 - 24 V dc

c - Contact Configurations:

H: SPST-NO;

Z = SPDT

d - Terminal Type:

Nil: Unsealed

S: Sealed

e - Sensitivity:

L: = Sensitive, 0.2 W

Nil = Standard, 0.45 W

## ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

This component has been judged on the basis of the required spacings in the Standard for Industrial Control Equipment, UL 508, Sixteenth Edition, which would cover the component itself if submitted for unrestricted Listing.

## CONDITIONS OF ACCEPTABILITY:

1. A suitable enclosure should be provided for these devices in the end-product.
2. The relay terminals are not suitable for field wiring. The relay terminals are to be factory wired only and the suitability of the connection (including spacings between factory connectors) shall be determined.
3. This device should be used within its Recognized rating as specified above.
4. The spacings from the exposed live parts to the enclosure walls shall be in accordance with the requirements of the end product.

## CONSTRUCTION DETAILS:

Spacings - A minimum spacing of 1.6 mm through air and 3.2 mm over the surface shall be maintained between uninsulated live parts of the opposite polarity and dead-metal parts.

Corrosion Protection - All ferrous metal parts are suitably protected from corrosion by painting, plating or equivalent.

Markings - Recognized Listee's name and/or file number or trademark and model number or catalog number.