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File E63614  
Project 99SC46816



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REPORT  
ON  
COMPONENT - MOTOR CONTROLLERS, MAGNETIC

Fujitsu Takamisawa Component Ltd.  
Nagano, Japan

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## DESCRIPTION

## PRODUCT COVERED:

USR-Component - Magnetic, Motor Controller, Model Series Type K2, with or without prefix FTR-, followed by A, followed by K, followed by 005 through 024, may or may not be followed by -01 through -99.

## GENERAL:

The devices are enclosed type magnetically operated, single-pole normally open contact with single stable one winding coil. These devices are provided with terminals for direct printed circuit mounting. They are intended for use in industrial control equipment.

USR - Investigated to Standard UL 508

## RATINGS:

## Contact:

16 A, 30 dc, Resistive, 6000 cycles.  
16 A, 125 V ac, Resistive, 6000 cycles.  
10 A, 277 V ac, Resistive, 6000 cycles  
1/2 hp, 125 V ac, 6000 cycles.  
1 hp, 277 V ac, 6000 cycles.  
Pilot duty, Code A300, 6000 cycles

Coil: 5-48 V dc.

## NOMENCLATURE:

The significance of the alphanumeric marking system is explained as follows:

<u>FTR-K2</u>	<u>A</u>	<u>K</u>	<u>005</u>	<u>-01</u>
I	II	III	IV	V

- I. Basic Designation - Indicates type number, with or without prefix FTR.
- II. Contact configuration A - 1 Form A
- III. Coil Sensibility A - General
- IV. Coil rated voltage 005 through 048 - 5 through 48 V dc
- V Minor construction variation 01-99
  - A) Variation of coil resistance.
  - B) Variation of pickup voltage, non-pick up voltage, dropout voltage or hold voltage.
  - C) Variation of operate or release time.
  - D) Variation of dielectric strength

## 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 Seventeenth Edition, which would cover the component itself if submitted for unrestricted Listing.

Use - For use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

## 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 devices should be used within its Recognized rating as specified above.
4. These coils of these relays incorporate a Class 105 insulation system.