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File E63614  
Project 98SC00145

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REPORT

ON

COMPONENT - MOTOR CONTROLLERS, MAGNETIC

Fujitsu Takamisawa Component Ltd.  
Nagano, Japan

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committed to quality service

## DESCRIPTION

## PRODUCT COVERED:

Component - Magnetic, Motor Controllers, Model Series Type F3, with or without prefix FTR-, followed by A followed by A. Followed by 005 through 024, followed by E or L, may or may not be followed by -01 through -99.

GENERAL: (Brief statement of product, functions, intended application, etc.)

\* The device(s) are enclosed type magnetically operated, single-pole normally open contacts 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. Relay Type FTR-F3 is constructed of A class 130 B Insulation Materials.

RATINGS: (Refer to Sec. 35 of UL 508)

## Contact -

- 3 A, 30 dc, Resistive, 6000 cycles.
- 1.5 A, 277 Vac, Resistive, 6000 cycles.
- # 1/10 HP, 250 Vac, 6000 cycles.
- \* # 1/10 HP, 125 Vac, 6000 cycles.
- 3 A, 277 V ac, Resistive, 6000 cycles
- # 1/8 hp, 277 V ac, 6000 cycles
- \* Pilot Duty, Code D300, 6000 cycles

# Note that 5000 out of 6000 were mechanical cycles.

Coil -  
5-24 Vdc

## NOMENCLATURE:

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

<u>FTR-F3</u>	<u>A</u>	<u>A</u>	<u>005</u>	<u>E</u>	<u>-01</u>
I	II	III	IV	V	VI

- 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 024 - 5 through 24 V dc
- V. Contact material.
  - E - Copper Base overlaid with silver nickel.
  - L - Copper Base overlaid with silver.
- IV. 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):

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. The contact terminals are not suitable for field wiring.
2. Relays should be mounted in appropriate enclosures.