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File E63614
Project 97SC12430

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REPORT
ON
COMPONENT - MOTOR CONTROLLERS, MAGNETIC

Fijitsu Takamisawa Component Ltd.
Tokyo, Japan

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A not-for-profit organization
dedicated to public safety and
committed to quality service

DESCRIPTION

PRODUCT COVERED:

Series Type FTR-F2 or F2 followed by A, followed by K or L, followed by 005 through 048, followed by T, may be followed by -01 through -99.

GENERAL:

These devices are single-pole, single-throw magnetically operated switches with DC operating coil and with normally open contacts. These devices are provided with terminals for direct printed circuit mounting.

NOMENCLATURE:

*	Part No.	$\frac{F2}{I}$	$\frac{A}{II}$	$\frac{K}{III}$	$\frac{005}{IV}$	$\frac{T - 01}{V \quad VI}$
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Note A: Part No. may be split and appear on two lines

- I. Indicates Relay type.
FTR-F2: Type number, with or without prefix FTR
- II. Indicates contact arrangement.
A: Form A
- III. Indicates coil sensibility.
K: General (Approximately 0.53 W)
L: High Sensitivity (Approximately 0.25 W)
- IV. Indicates coil rated voltage.
005 through 048: 5 through 48 V dc
005 through 024: 5 through 24 V dc (for high sensitivity)
- V. Indicates contact rating.
T: TV (TV-5)

VI. Indicates minor constructive variation.
01 through 99: additional two digits used for special.

- A) Variation of coil construction
- B) Variation of pick-up voltage, non
pick up voltage, drop out voltage
or hold voltage
- C) Variation of operate or release time
- D) Variation of coil voltage rated within 5 through
48 V dc
- E) Variation of dielectric strength

Ratings -

Contact Ratings:

5 A, 30 V dc/250 V ac Resistive

1/6 hp, 125 V ac, 4.4 FLA

1/2 hp, 250 V ac, 4.9 FLA

* TV-5, 120 V ac
Pilot Duty: C300

Coil Ratings: 5 V through 48 V dc
5 V through 24 V dc (for high sensitivity)

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

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

Evaluated for use in Temperature, Indicating and Regulating Applications.

Conditions of Acceptability -

1. Open type devices should be mounted in enclosures having adequate strength and thickness in the intended manner and with acceptable spacing being provided.

2. When open type devices are mounted in enclosures, it should be determined if tests need to be repeated, giving particular attention to heating.

3. The terminals are to be factory wired only and the suitability of the connection shall be determined.