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REPORT
ON
COMPONENT - SWITCHES INDUSTRIAL CONTROL

Fujitsu Takamisawa Component Ltd.
Tokyo, Japan

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committed to quality service

DESCRIPTION

PRODUCT COVERED:

USR, CNR - Component - Magnetically Operated Switches, Type B3, with or without prefix FTR - f/b C, or G, f/b A, or B, f/b 1.5 through 024, f/b Z or P, f/b 01 through 99.

GENERAL:

These components are double-pole, double-throw magnetically operated switches using a DC operating coil, with normally open, and normally closed contacts. They are provided with terminals for direct printed circuit board mounting, through hole or surface mounting. These devices have single-stable type, or double-stable type. The single-stable type have single-winding coil. The double-stable type have single winding, latching magnetically when operated by rated, and reverse operated by voltage at reverse polarized rated voltage. The coils need not be continuously actuated, as short time pulse voltage may be applied.

These components are intended for use in Information-Processing, and Business Equipment and similar devices.

Ratings -

Contact Ratings:

0.5 A, 125 V ac (Resistive)
1 A, 30 V dc
0.3 A, 110 V dc

Coil Ratings:

1.5 through 24 V dc

NOMENCLATURE:

Part No.	<u>FTR-B3</u>	<u>C</u>	<u>A</u>	<u>4.5</u>	<u>Z</u>	<u>01</u>
	I	II	III	IV	V	VI

Note A: Part No. may be split and appear on two lines

I. Indicates Relay type.

FTR-B3: Type number, with or without prefix FTR:

II. Indicates terminal configuration.

C - Through hole type.
G - Surface mount type.

III. Indicates relay coil type.

A: Single-Stable.
B: Double-Stable.

IV. Indicates coil rated voltage.

1.5 through 024 V dc.

V. Indicates contact material.

Z: Au-AgNi/AgPd/CuNi
P: Au/AgPd/CuNi

VI: Indicates minor constructive variation.

01 through 99: Additional two digits used for special variation of construction as below.

- A. Variation of coil resistance.
- B. Variation of operating voltage, non-operating voltage, release voltage, as hold voltage.
- C. Variation of operating time, or release time.

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 Information - Processing, and Business Equipment, and Similar Devices, UL 1950.

These devices have also been evaluated to Canadian Standard, C22.2, No. 950-93

Conditions of Acceptability -

1. A suitable enclosure shall be provided.
2. The terminals are to be factory wired only, and the suitability of the connection shall be determined.