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Project 97SC14157

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REPORT  
ON  
COMPONENT - SWITCHES INDUSTRIAL CONTROL

Fujitsu Takamisawa Component Ltd.  
Tokyo, Japan

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SCDLS

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committed to quality service

## DESCRIPTION

## PRODUCT COVERED:

\* USR, CNR. Component - Magnetically Operated Switches, Part No. B2, maybe f/b FTR - f/b M or N, f/b A, f/b 4.5 thru 012, f/b Z, may be followed by 01 thru 99.

## GENERAL:

These components are double-pole double throw magnetically operated switches using a DC operating coil, and normally open and normally closed contacts. They are provided with terminals for direct printed circuit board mounting.

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

## NOMENCLATURE:

Part No.	<u>FTR-B2</u>	<u>M</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-B2: Type number, with or without prefix FTR:

II. Indicates terminal configuration.

M - Through hole type

N - Surface mount type

III. Indicates dielectric strength.

A: Standard Type (2 form C + 2 form A)

IV. Indicates coil rated voltage.

4.5 thru 012 V dc

V. Indicates contact material.

Z: Au-AgNi

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.

Ratings -

Contact Ratings:

0.2 A, 125 V ac (Resistive)

1 A, 30 V dc

0.3 A, 110 V dc

Coil Ratings: 4.5 through 12 V dc

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.

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.
3. The two contacts on either side of the armature are suitable only for same polarity applications.