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REPORT

on

COMPONENT - INDUSTRIAL CONTROL EQUIPMENT, SWITCHES

Fujitsu Ltd.
Kawasaki, Japan

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HST/JMS:alh
PC LBRY /vgc

D E S C R I P T I O NPRODUCT COVERED:

* Type 46 and 47 Series, with or without FBR, may or may not be followed by N, followed by D or G, followed by 003 through 024, with or without -P, -F, -Z, with or without additional suffix numbers.

GENERAL:

These devices are open DPDT magnetically operated switches with printed circuit terminals. They are intended to be used in office equipment and business machines where the suitability of the combination has been determined by Underwriters Laboratories Inc.

Ratings -

Contact Ratings: 0.5 A, 30 V ac, resistive; 1 A, 30 V dc, resistive (For no suffix letter, Suffix P, Suffix F). 0.5 A, 30 V ac, resistive; 2 A, 30 V dc, resistive (For Suffix Z).
*All supplied from Class 2 circuit. 0.3 A, 250 V ac, General Purpose (for Suffix P).

Coil Ratings: Single side stable type - 3 V through 24 V dc, Class 2.

Nomenclature - They are designated:

1. Single side stable type

<u>FBR46</u>	<u>N</u>	<u>D</u>	<u>012</u>	<u>-P</u>	<u>-01</u>
<u>I</u>	<u>II</u>	<u>III</u>	<u>IV</u>	<u>V</u>	<u>VI</u>

I - Basic type number, with or without FBR.

FBR46 - Bifurcated contact.,
Standard Coil Polarity, Please see ILL. 1
FBR47 - Bifurcated contact, Reversed coil polarity,
please see Ill. 1

II - Immersion cleanable.

Blank - Standard type.
N - Immersion cleanable type.

III - Coil

G - Low pick up voltage type.

D - Except G type.

IV - Coil voltage.

003 through 024 - Indicates voltage.

V - Contact material.

No marking - Gold overlay silver clad copper-nickel

-P - Gold overlay silver-palladium alloy clad copper-nickel.

-F - Gold overlay gold-silver-nickel alloy clad copper-nickel.

-Z - Gold overlay silver-nickle alloy clad copper-nickel.

VI - Nonelectrical features.

-01 ... -99 or 1 ... 99: Means special characteristics, for example, coil resistance, pick-up and drop-out voltages, etc., required by customers.

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.

These components have been judged on the basis of the required spacings in the Standard for Office Appliances and Business Equipment, UL 114 (Fourth Edition), Section 19, which covers the end-use product for which the components were designed.

* Conditions of Acceptability -

1. These devices should be used within their Recognized ratings as specified above.
2. Open type devices should be mounted in enclosures having adequate strength and thickness in the intended manner and with acceptable spacings being provided.
3. When open type devices are mounted in enclosure, it should be determined if tests need to be repeated, giving particular attention to heating.
4. The terminals are to be factory wired only and the suitability of the connection shall be determined.
5. These devices are to be connected totally within a Class 2 circuit.