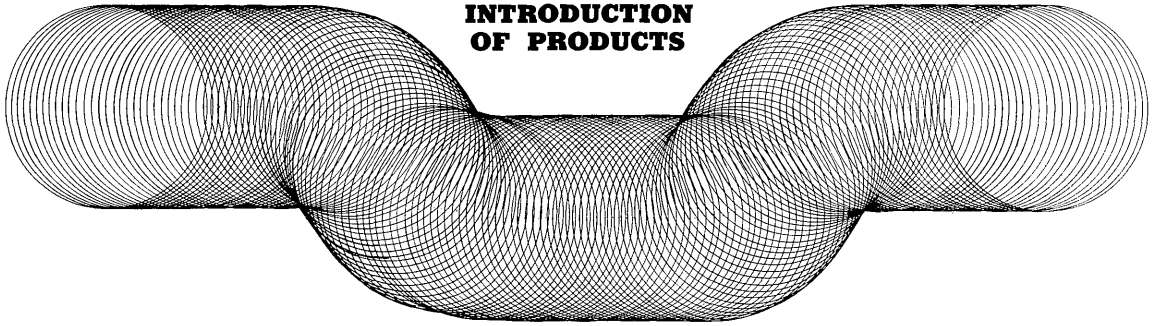


INTRODUCTION OF PRODUCTS



PUSHBUTTON SWITCH FOR ELECTROMAGNETIC SWITCH CONTROL OF RC 300 SERIES

No matter how excellent an electromagnetic switch may be, it will not display its fully superb performance unless it incorporates a superior type of control pushbutton switch. The pushbutton switch of the RC 300 Series has been recently developed for controlling the Fuji electromagnetic switches, to which Fuji Electric, successor to the outstanding techniques of the Siemens Co., applied the most advanced and engineering techniques, both in material and construction, as based on its long years of experience in manufacturing switches. The RC 300 Series pushbutton switch is by far superior in performance and longer in life than the existing RCa 400 Series pushbutton switch.

Features

- 1) Hyper-small size and light weight
Because of its construction which minimizes physical size through full use of molded parts, the unit is hyper-small and light, requiring minimum space for installation.
- 2) Long life
Since pure silver is used for the contact point, the unit is durable with frequent operation over a long period of time.
- 3) Easy maintenance and inspection
Replacement, disassembling and reassembling of the parts can be made easily with a screw driver.
- 4) Easy wiring
Since the terminal unit is of the plug-in type, exclusive with Fuji Electric products, it permits wiring to be performed easily. For wiring, all that is necessary is that the top end of the lead be inserted into the terminal then the terminal be tightened.

Construction

[Given in the following is an explanation of element (RC 300X-1) only.] In this equipment, a fixed contacting element (a and b contacts) is inserted into the insulating case. On the other hand, the movable contacting element is inserted together with the contact spring into the groove of the pushbutton, thus facing the fixed contacting element. The pushbutton is constantly forced upward by means of the back spring, allowing the movable contacting element to contact the fixed contacting element. Because of the method of insertion both the fixed and movable contacting elements are replaceable.

Ratings

250 v ac 10 amp, 600 v ac 5 amp



(a) Model RC 300-I

(b) Model RC 300-II

(c) Model 300-III

Models

Name	Construction	Model	Number of Buttons	Number of Contacts	Color of Button	Model Approval No.	Remark
1-point Pushbutton Switch	Only element With case & cover Dust-proof type Acid-proof type	RC 300X-I RC 300-I RC dp 300-I RC lg 300-I	1	1×(1a1b)	*1 Any one color of G,R, B, and D is designated	*2	
					Either G or R is designated	▽ 41-1080	
2-point Pushbutton Switch	With case & cover Dust-proof type Acid-proof type	RC 300-II RB dp 300-II RC lg 300-II	2	2×(1a1b)	Upper.....green Lower.....red	▽ 41-1081	
3-point Pushbutton Switch	With case & cover Dust-proof type Acid-proof type	RC 300-III RC dp 300-III RC lg 300-III	3	3×(1a1b)	Upper.....green Intermediate..green Lower.....red	▽ 41-1081	For reversible switch

- * 1) G : green R : red B : blue D : dark green
- * 2) RC 300X-I requires no model approval number.

SILICON CONTROLLED RECTIFIER ELEMENT, TYPE GSi 1

Fuji Electric's silicon controlled rectifier elements have been available including a total of some 60 models ranging from GSi 5 to GSi 150, thus fully meeting the demands of various customers. Added to this complete line of products is a new one, type GSi 1. This type of element is designed and manufactured to meet the recently increasing demand for small capacity, such as the case of the contactless switch. Fuji Electric recommends the new type as well as the existing types for unmatched features, both in performance and price.

Construction and Ratings

Because of its construction, the type GSi 1 may be used as it is, without being installed on a radiator, so that it does not require as much space as existing elements, which have to be installed on a radiator for operation.

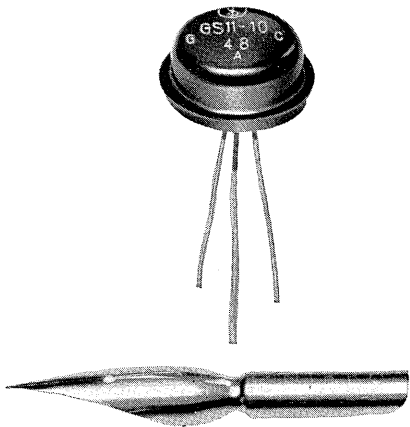
The GSi 1 is conveniently constructed for assembly to a printed circuit board. The rated current is 0.5 amp with an ambient temperature of 50°C. However, as long as the case temperature is kept at 25°C, the element may be operated with a current of up to 1 amp. The forward voltage insulation is available in eight models ranging from 25 to 400 v.

Features

- 1) Small in size and light in weight.
- 2) The reverse voltage insulation is higher than the forward voltage insulation, and is consequently durable.
- 3) Higher reliability obtained through strict tests and quality control.

Usage

The element is widely used in such fields as static contactless switches, dimmer equipment, static Leonard sets (for small scale motor control use), inverters, frequency converters, and automatic control devices.



External view, size compared with an ordinary pen point