

# T TYPE STARTING SWITCH, T3

The Fuji T Type Switch is a across-the-line starting tumbler switch, highly suitable as an on-off hand-switch for compact motors up to 2.2 kw, and for electric-lighting and heating circuits.

This simply-designed switch employs a light-touch, reliable tumbler construction, a rational arc-quenching chamber, and a single-unit hinged plastic case cover. It is a quite novel type of compact, light-weight starting switch, with high closing and breaking capacity.

## Features

- (1) Ultra-compact, lightweight  
It is of such a compact design that it is 3/4 the size of a name card and weighs only 74 g, with the case cover included.
- (2) High performance  
The closing and breaking capacity is high, since it is provided with a quick switching mechanism and rational arc-quenching chamber, enabling across-the-line starting of a three-phase squirrel-cage-induction motor up to 550 v, 2.2 kw. It can withstand upwards of 30 switching cycles per hour.
- (3) Long service life  
Due to the silver contacts and the quick switching mechanism provided, contact roughness and wear are small, the contact life being more than 100,000 switching cycles.
- (4) Light and reliable operation  
Because of the tumbler construction, operation is light and always reliable.
- (5) Simple design  
The case cover is of a plastic single-unit hinged construction with waste-eliminating design.

## Construction

Fig. 1 shows an external view of the switch element (T3X).

On-off action of the switch is effected as follows; when the handle is moved vertically, the built-in compressing spring and steel ball move vertically

in seesaw fashion along the movable contact segment provided, with the movable contact element as the supporting point. In this case, the steel ball is constantly being pressed against the movable contact segment by means of the compressing spring.

Thus, when the steel ball passes over the supporting point, quick on-off operation is obtained.

The switch provided with the case cover is shown in Fig. 2.

The switch element (T3X) is attached by means of two screws in the case cover, which is made of polypropylene resin, and is of single-unit hinged construction.

At the upper and lower surface of the case are independent lead holes. The case cover is light gray, and the handle ivory.

## Specifications

Protective Construction	Type	Capacity of 3-phase motor (kw)				Capacity of Single-phase motor (kw)		Capacity of Resistance Load	Weight (kg)
		110v	220v	440v	550v	110v	220v		
Case Cover Provided	T 3	1.1	2.2	2.2	2.2	0.4	0.75	10	74
Switch Element Only	T 3 x	1.1	2.2	2.2	2.2	0.4	0.75	10	43

This article introduces the three-pole switch element with case cover only. However, in addition to this, a flush mounted type and one of two-pole contact segments are under consideration.

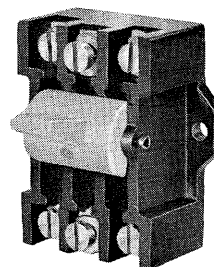


Fig. 1 External view of T3X

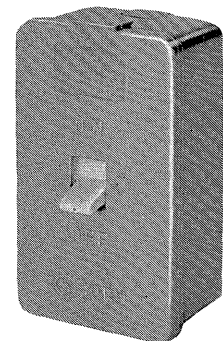


Fig. 2 External view of T3