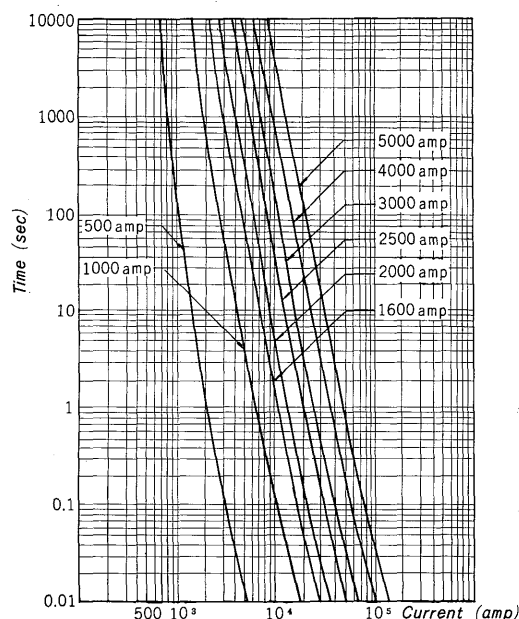


## Characteristics

Refer to the melting time—current characteristic chart below.



## Ratings

Type	Rated Voltage (v, ac)	Rated Current (amp)	Interrupting Capacity
SH-500	500	500	100 ka min. (Symmetrical root mean square value)
SH-1000		1000	
SH-1600		1600	
SH-2000		2000	
SH-2500		2500	
SH-3000		3000	
SH-4000		4000	
SH-5000		5000	

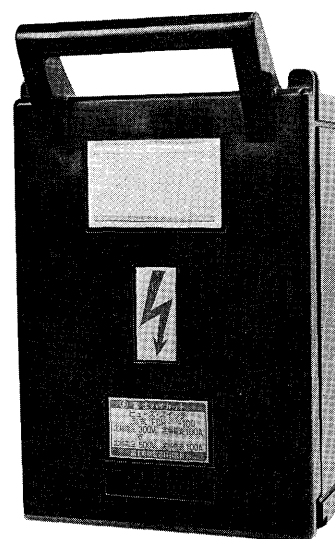
## Applications

These fuses have many applications, such as protector fuses to backup network protectors protecting the transformer and main bus bar on the secondary side of the transformer in spot network systems which are utilized to improve the economy and reliability of the power supply in recent high buildings, as take-off fuses which serve as primary feeder interrupting devices, as protector fuses in regular networks to improve service by no break power supply to the center area of a city having heavy loads, and as backup fuses to backup low voltage branch circuit breakers and air circuit breakers in various power distribution systems.

# FUJI HIGH CUT (LOW VOLTAGE FUSE SWITCH)

The “Fuji High Cut” was developed as an application for the Fuji cartridge fuse.

No-fuse breakers or combinations of a knife switch and a fuse have always been used to protect low voltage circuits. They have disadvantages however: the former is expensive when used with a large breaking capacity and the latter has large external dimensions. The “Fuji High Cut”, combined with the Fuji cartridge fuse with its excellent short tection capacity and switching mechanism, is a compact, lightweight protective switch with high reliability. Since live parts are not exposed, there is no fear of electrical shock. This switch has already been approved by the Japan Housing Corporation and will be used as a low voltage switch in JHC houses. The application range of the switch is very wide for switch boards or distribution boards as a main switch or branch switch in low voltage circuits.



Even when combined with the fuse and switching mechanism, the outer dimensions of the switch are small and it is light in weight.

2) Large breaking capacity

## Features

1) Compact and lightweight

# Rating

	Type	Frame size (amp)	Rated Voltage (v)	Related Current of Cartridge Fuse (amp)	Switching Capacity (amp)		Rated Breaking Capacity (ka)	Connection Method
					at 300 v	at 500 v		
For three-phase, three wire	FCH63/□	60	300	10, 15 20, 30 50, 60	90	— (Disconnection only)	35	Front connection
	FCH63/□ B							Back connection
	FCH103/□	100	500 (for disconnection)	75, 100	150			Front connection
	FCH103/□ B							Back connection
	FCH203/□	200		125 150 200	300			Front connection
	FCH203/□ B							Back connection
For single-phase, three-wire	FCH62/□	60	300	10, 15 20, 30 50, 60	90	— (Disconnection only)	35	Front connection
	FCH62/□ B							Back connection
	FCH102/□	100	500 (for disconnection)	75, 100	150			Front connection
	FCH102/□ B							Back connection
	FCH202/□	200		125 150 200	300			Front connection
	FCH202/□ B							Back connection

For current-limiting and fusing characteristics, please refer to the catalogue for the Fuji Cartridge type Fuse.

Like the Fuji cartridge fuse (FCK 2 type), it has a breaking capacity of 35 ka at 500 v, and its short protection capacity is very high.

## 3) Simple operation

As with usual switches, this device can be swiched simply by operating handle.

## 4) Easy and safe handling

It is easy to replace fuses or perform maintenance and inspection.

## 5) Fuse interchangeability

The fuse used is the standard Fuji FCK 2 type cartridge fuse. It is interchangeable with JIS 8314 fuses with a rating of 250 v.

## Construction

The case cover of the “Fuji High Cut” is made of synthetic resin. The switch blade is installed on the cover side, the clip on the base side, and the fuse on the cover side.

The device is sealed and there is no danger of touching the live part during power input. The sealing hole on top of the case cover insures safe operation.

The switch for single-phase three-wire system, with no fuse at its neutral pole, is of the fast-connecting and slow disconnecting type. Front installation is used with either front connection or back connection. In case of front connection, a terminal cover can be provided if requested.