

← **NEW PRODUCTS** →

FUJI CONTROL RELAY TWIN CONTACT TYPE W-SERIES

A large number of Fuji control relays are already in use in all areas as small, high performance control relays incorporating high voltage techniques. Fuji Electric has now developed the twin contact series to improve contact reliability to meet the demands of the new age.

Features

(1) High contact reliability

Twin contact construction assures high reliability and has been designed to improve reliability more than 100 times compared to the conventional single contact construction and permits the construction of highly reliable control circuits.

(2) Same external shape as the single contact Types HH 22 P, HH 23 P

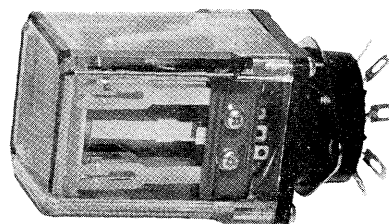
Since all specifications are the same except for contact construction and contact capacity, they can be freely combined to produce economical, high reliability control circuits.

(3) Stable contact force

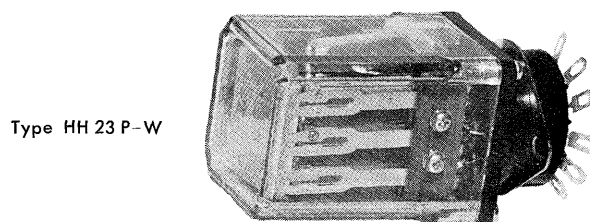
Pre-tension contact construction reduces loss of contact force due to wear to a minimum and there is no loss of contact pressure directly proportional to contact wear as found in conventional systems. Moreover, since contact force is constant, contact reliability remains stable over a long period of time.

(4) Relay performance checks are easy

When the relay operates, the end of the silverish white yoke appears from the slit of the guard, thus the operating state can be easily confirmed and sequence checks can be easily performed.



Type HH 22 P-W



Type HH 23 P-W

Specifications

Allowable voltage range 85~110% of the rated voltage

Ambient temperature range -10~+40°C

Dielectric strength
Between electrical circuits for 1 min at AC 2000 V
Between electrical circuits and ground for 1 min at AC 2000 V

Between contact gaps for 1 min at AC 1500 V
Insulation resistance Over 50 MΩ with a 500 V megger

Operating and reset time Approx 20 ms

Switching frequency 1800 switching/hr

Life

Mechanical 5,000,000 operations

Electrical 1,000,000 operations

(AC 220 V, closed current 1.25 A, open current 0.25 A, Power factor 0.4)

Specifications of Fuji control relay

Coil			Contact			
Rated voltage	Coil resistance (at 20°C)	Loading	Max. continuous current	Type		
				Type HH 22 P-W	Type HH 23 P-W	Type HH 24 P-W
AC 6 V		3.7 VA	3 A			
12 V						
24 V						
48 V				2c	3c	2a+1b+1c
100 V						
200 V						
DC 6 V	22.6 Ω	1.7 W	3 A			
12 V	91 Ω					
24 V	360 Ω			2c	3c	2a+1b+1c
48 V	1,460 Ω					
100 V	6,260 Ω					