



**Relay for control panel of  
1A to 10A (1c/2c/3c/4c)**

# HC RELAYS



Standard type



Amber sealed type



With diode type

**RoHS compliant**

### FEATURES

1. Standard type and Amber sealed type
2. Rich lineup includes relays with operating indication, with diode
3. Full range of types  
Plug-in type, PC board type and TM type
4. Sockets and terminal sockets are available.

### TYPICAL APPLICATIONS

1. Factory automation equipment and automotive devices
2. Control panels, power supply equipment, molding equipment, machine tools, welding equipment, agricultural equipment, etc.
3. Office equipment, automatic vending machines, telecommunications equipment, disaster prevention equipment, copiers, measuring devices, medical equipment, amusement devices, etc.
4. All types of household appliance

## ORDERING INFORMATION

### Standard type

HC  -  -  -

Contact arrangement  
1: 1 Form C  
2: 2 Form C  
3: 3 Form C  
4: 4 Form C  
4D: Bifurcated contact (twin)

Terminal arrangement  
H: Plug-in type  
HL: Plug-in with LED indication  
HP: PC board type  
HPL: PC board with LED indication  
HTM: TM type

Nominal coil voltage  
AC 6, 12, 24, 48, 100 (100/110), 120 (110/120),  
200 (200/220), 240 (220/240) V  
DC 6, 12, 24, 48, 100 (100/110) V

#### Contact material

Contact arrangement	Contact material	AgSnO <sub>2</sub> type	AgNi type
1 Form C		F	
2 Form C		F	
3 Form C		F	
4 Form C			Nil
4-pole bifurcated (twin)			Nil

### Amber sealed type

HC   -  -  -

Contact arrangement  
1: 1 Form C  
2: 2 Form C  
4: 4 Form C

Nil: Standard type  
E: Amber sealed type  
ED: Amber sealed type bifurcated contact (twin) (Only 4 Form C)

Terminal arrangement  
H: Plug-in type  
L: Plug-in with LED indication  
HP: PC board type  
PL: PC board with LED indication  
HTM: TM type

Nominal coil voltage  
AC 6, 12, 24, 48, 100 (100/110), 120 (110/120),  
200 (200/220), 240 (220/240) V  
DC 6, 12, 24, 48, 100 (100/110) V

#### Contact material

Contact arrangement	Contact material	AgSnO <sub>2</sub> type	AgNi type
1 Form C		F	
2 Form C		F	
4 Form C			Nil
4-pole bifurcated (twin)			Nil

## With diode type (For DC)



### Contact arrangement

- 1: 1 Form C
- 2: 2 Form C
- 3: 3 Form C
- 4: 4 Form C
- 4D: Bifurcated contact (twin)

### Terminal arrangement

- Nil: Plug-in type
- L: Plug-in with LED indication

### Nominal coil voltage

DC: 6, 12, 24, 48, 100 (100/110) V

### Surge suppression

D: With diode

### Contact material

Contact arrangement	Contact material	AgSnO <sub>2</sub> type	AgNi type
1 Form C		F	
2 Form C		F	
3 Form C		F	
4 Form C			Nil
4-pole bifurcated (twin)			Nil

## LINEUP

Type	Contact arrangement	 Plug-in terminal type		 PC board terminal type		 Top mounting type (TM type)	Remarks
		Without LED	With LED	Without LED	With LED		
		HC relay Standard type	Single side stable	1 Form C	A		
2 Form C	A			A	A	A	
3 Form C	A			A	A	A	
4 Form C	A			A	A	A	
Bifurcated (Twin)	4 Form C		A	A	A	A	
HC relay Amber sealed type	Single side stable	1 Form C	A	A	A	A	
		2 Form C	A	A	A	A	
		4 Form C	A	A	A	A	
	Bifurcated (Twin)	4 Form C	A	A	A	A	
DC type with surge absorbing diode	Single side stable	1 Form C	A	A	—	—	Amber sealed type also available
		2 Form C	A	A	—	—	
		3 Form C	A	A	—	—	
		4 Form C	A	A	—	—	
	Bifurcated (Twin)	4 Form C	A	A	—	—	

A: Available

Notes: 1. HC relays with ground terminals also available.

2. HC relays with 0.9 mm wide PC board terminals also available.

## HC RELAY CONTACT ARRANGEMENT

Type	Single side stable contact	4-pole bifurcated (twin) contact
Part number	HC□	HC4D
Features	Suitable for high-capacity load switching Standard type HC relays have high single-contact capacity; 1 Form C: 10 A 2 Form C and 3 Form C: 7 A 4 Form C: 5 A	Bifurcated (twin) contact ensures high contact reliability Suitable for low level loads Minimum switching capability: 100 μA 100m V DC (reference value)