



Industrial &amp; Electrical Components

## General Purpose Power Relay

Part No.

HHC68A



- General purpose power relay
- For plug-in socket, 35mm DIN rail
- UL/C-UL approved.
- LED option

### CONTACT

Arrangement	1/2/3/4 A/B/C
Contact Material	Silver Alloy
Contact Resistive	Max.: 100 mΩ
Rating	15A 240VAC/28VDC (1C)
Resistive load (cosφ=1)	10A 240VAC/28VDC (2/3/4C)
Max. Switching Voltage	277VAC/28VDC
Min. Breaking Capacity	0.3W
Expected life	
Mechanical	1×10 <sup>7</sup>
Electrical	1×10 <sup>5</sup>

### CHARACTERISTICS

Operate Time	15msec. Max.
Release Time	10msec. Max.
Initial breakdown voltage	
Between Coil & Contact	1500VAC (50/60Hz) for 1 min.
Between Open Contacts	1000VAC (50/60Hz) for 1 min.
Insulation Resistance	Min.100MΩ (500 VDC)
Shock: Endurance	10G
Damage	100G
Vibration Endurance	10 to 55Hz, 1.0mm D.A.
Damage	10 to 55Hz, 1.0mm D.A.
Ambient temperature	-25°C ~ +55°C
Unit weight	35g (1/2C); 50g (3C); 65g (4C)

### ORDERING INFORMATION

e.g

**HHC68A - 1C - 12D - L**

①

②

③

④

① Part No.

② Contact arrangement:

1C=1C/O; 2C=2C/O;

3C=3C/O; 4C=4C/O;

③ Coil Voltage: 12D=12VDC

④ L = LED indication

**COIL DATA (at 20°C)**

**HHC68A Series**

SPDT, DPDT

Rated Voltage	Pick-up Voltage VDC (Max)	Drop-out Voltage VDC (Min)	Coil Resistance (Ω) ± 10%	Nominal operating Power	Max.Allowable Voltage (VDC)
12VDC	9.00	1.20	160.00	0.9W	110% of nominal voltage
24VDC	18.00	2.40	640.00		
48VDC	36.00	4.80	2560.00		
110VDC	82.50	11.00	13450.00		
12VAC	9.60	3.60	42.00	1.2VA	
24VAC	19.20	7.20	168.00		
48VAC	38.40	14.40	672.00		
110VAC	88.00	33.00	3529.00		
220VAC	176.00	66.00	14100.00		

3PDT

Rated Voltage	Pick-up Voltage VDC (Max)	Drop-out Voltage VDC (Min)	Coil Resistance (Ω) ± 10%	Nominal operating Power	Max.Allowable Voltage (VDC)
12VDC	9.00	1.20	100.00	1.4W	110% of nominal voltage
24VDC	18.00	2.40	425.00		
48VDC	36.00	4.80	1645.00		
110VDC	82.50	11.00	8640.00		
12VAC	9.60	3.60	25.00	2VA	
24VAC	19.20	7.20	100.00		
48VAC	38.40	14.40	400.00		
110VAC	88.00	33.00	2110.00		
220VAC	176.00	66.00	8470.00		

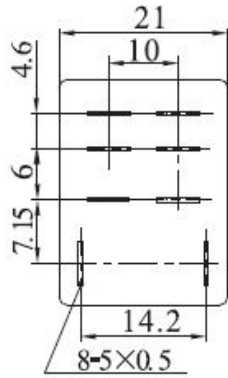
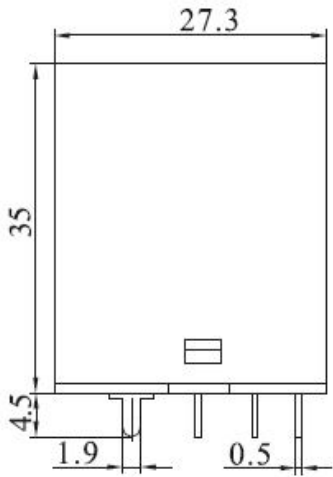
4PDT

Rated Voltage	Pick-up Voltage VDC (Max)	Drop-out Voltage VDC (Min)	Coil Resistance (Ω) ± 10%	Nominal operating Power	Max.Allowable Voltage (VDC)
12VDC	9.00	1.20	96.00	1.5W	110% of nominal voltage
24VDC	18.00	2.40	385.00		
48VDC	36.00	4.80	1536.00		
110VDC	82.50	11.00	8000.00		
12VAC	9.60	3.60	20.00	2.5VA	
24VAC	19.20	7.20	80.00		
48VAC	38.40	14.40	320.00		
110VAC	88.00	33.00	1690.00		
220VAC	176.00	66.00	6776.00		

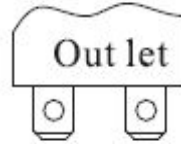
**DIMENSIONS**

Unit: mm

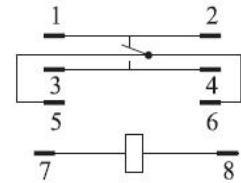
SPDT,DPDT



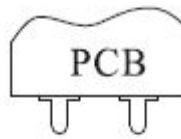
Plug-in version



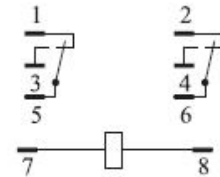
SPDT



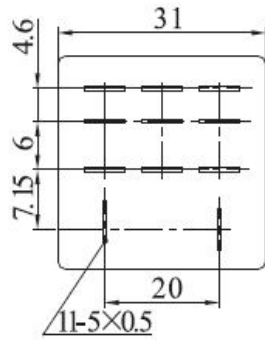
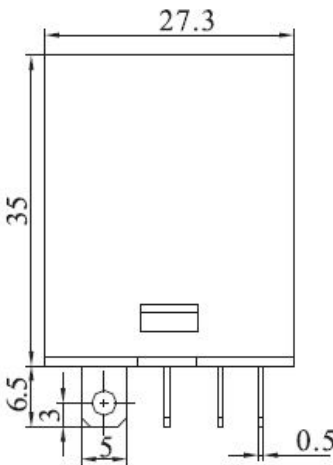
PCB version



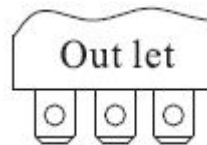
DPDT



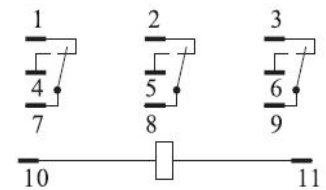
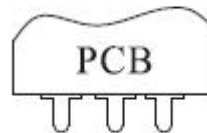
3PDT



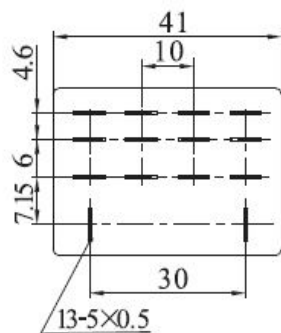
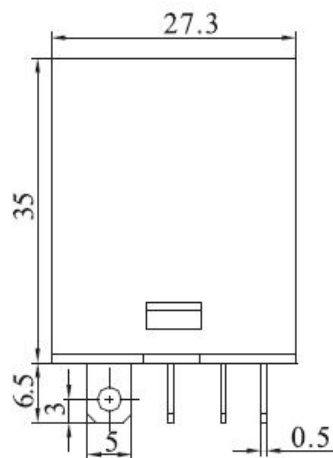
Plug-in version



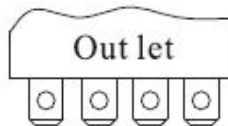
PCB version



4PDT



Plug-in version



PCB version

