

**HCP2**

POWER RELAY

**Features**

- Low profile, height 15.8mm  
Dimensions: 29.0×12.6×15.8(mm)
- Switching capacity 8A
- Contact: 2 Form A, 2 Form C
- Sensitivity 400mW
- Insulation: 5KV
- Creepage:10mm

**Safety Approval**

US NO.E164730



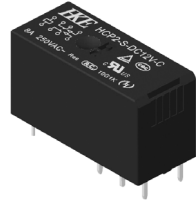
NO.CQC09002030014



NO.50062453



NO.40043990

**Relay Picture****ORDERING INFORMATION****HCP2** - [S] - [DC12V] - [C]

Model	Enclosure	Coil Voltage	Contact Form
	S - Plastic Sealed Type	DC5V, DC6V, DC9V, DC12V, DC24V, DC48V	A - 2 Form A C - 2 Form C

**SPECIFICATION****CONTACT DATA**

Contact Form	2 Form A, 2 Form C	
Contact Material	Ag Alloy	
Contact Rating	Resistive: 8A 250VAC/30VDC Inductive: 4A 250VAC Cosφ=0.4	
Contact Resistance	Max. 100mΩ (6VDC 1A)	
Load	Max. Switching Voltage	440VAC/120VDC
	Max. Switching Current	8A
	Max. Switching Power	2,000VA, 240W
	Min. Switching Load	5VDC, 100mA
Life	Electrical	100,000 operations
		50,000 operations (Inductive: Cosφ=0.4, L/R=7ms)
	Mechanical	20,000,000 operations

**GENERAL DATA**

Insulation Resistance		Min. 1000MΩ 500VDC
Dielectric Strength	Between open contacts	1,000VAC, 1min
	Between coil and contacts	5,000VAC, 1min
Operate Time		Max. 10ms
Release Time		Max. 5ms
Operating Temperature		-40°C to +85°C
Humidity		35~95%RH, +40°C
Shock Resistance	Endurance	1,000m/s <sup>2</sup>
	Misoperation	100m/s <sup>2</sup>
Vibration Resistance	Endurance	10~55Hz, 1.5mm double amplitude
	Misoperation	10~55Hz, 1.5mm double amplitude
Weight		Approximately 13.00g

Note:Data shown are of initial value

**COIL DATA**

Nominal Coil Power	400mW
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**SAFETY APPROVAL**

File Number	Contact Form	Power Consumption	Coil Voltage	Contact Rating	Remarks
UL E164730	A/C	0.4W	5-110VDC	8A 250VAC	Insulation class: F Ambient Temperature: 85°C
TUV 50062453-0002	A/C	0.4W	5,6,9,12,24,48,60,110VDC	8A 250VAC	Ambient Temperature: 85°C
CQC09002030014 (GB/T 21711.1-2008)	A/C	0.4W	5,6,9,12,24,48,60,110VDC	8A 250VAC	Ambient Temperature: 85°C
VDE 40043990	A	0.4W	5,6,9,12,18,24,36,48VDC	8A 250VAC	Ambient Temperature: 85°C

Specifications subject to change without notice

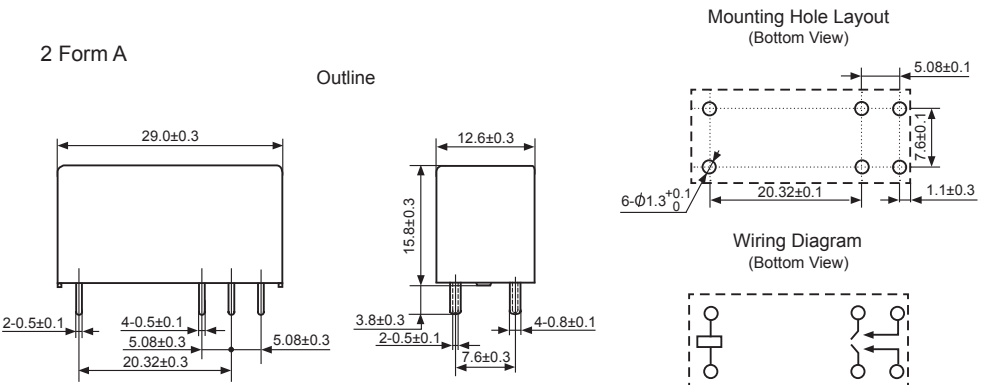
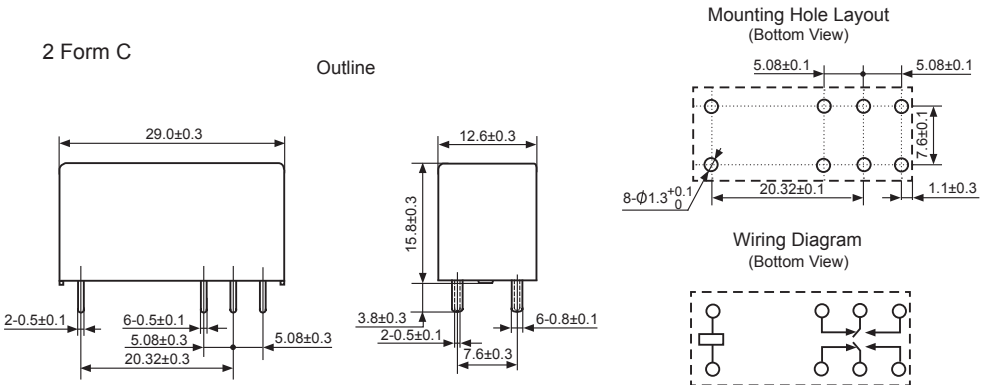
ISO9001、ISO/TS16949、ISO14001 Approved

**COIL DATA**

Ambient Temperature: 23°C

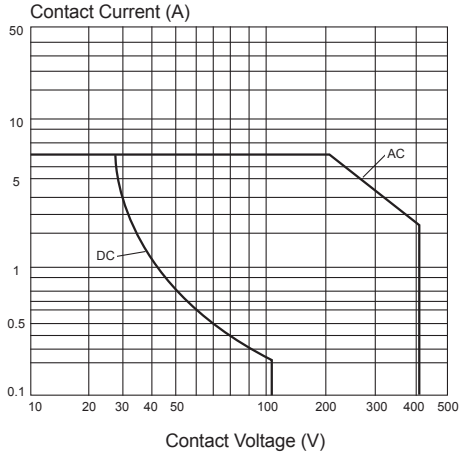
Model	Nominal Voltage VDC	Coil Resistance $\Omega \pm 10\%$	Operate Voltage $\leq$ VDC	Release Voltage $\geq$ VDC	Coil Power mW
HCP2-S-DC5V	5	62.5	3.5	0.5	400
HCP2-S-DC6V	6	90.0	4.2	0.6	
HCP2-S-DC9V	9	202.5	6.3	0.9	
HCP2-S-DC12V	12	360	8.4	1.2	
HCP2-S-DC24V	24	1440	16.8	2.4	
HCP2-S-DC48V	48	5760	33.6	4.8	

**OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)**

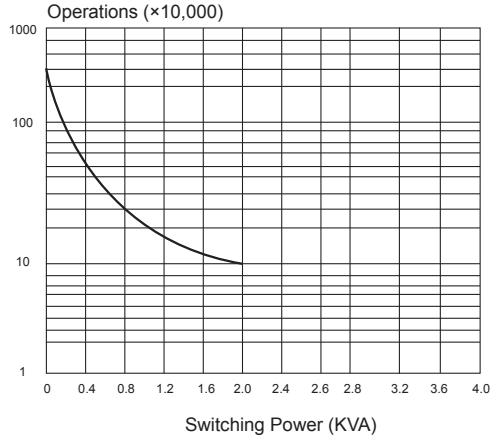


## REFERENCE DATA

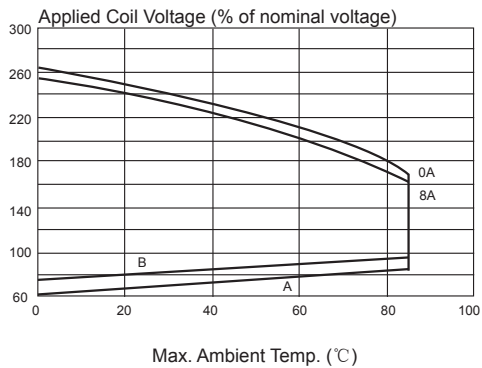
### Maximum Switching Power



### Life Curve



### Max. Ambient Temp. Vs. Coil Voltage



A: Coil temperature = Ambient temperature.

B: 110% of nominal coil voltage at rated contact load.