HCP2

POWER RELAY

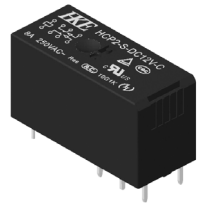
Features

- 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

c US NO.E164730 cqc NO.CQC09002030014
NO.50062453 VDE 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℃ to +85℃
Humidity		35～95%RH, +40℃
Shock Resistance	Endurance	1,000m/s^2
	Misoperation	100m/s^2
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

SAFETY APPROVAL

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

Specifications subject to change without notice

HCP2

POWER RELAY

COIL DATA

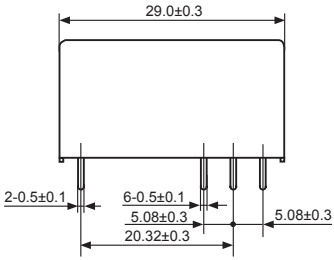
Ambient Temperature: 23℃

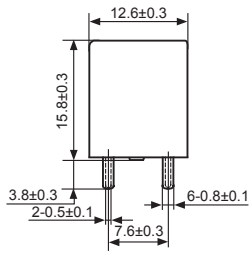
Model	Nominal Voltage VDC	Coil Resistance Ω+/-10%	Operate Voltage ≤VDC	Release Voltage ≥VDC	Coil Power mW
HCP2-S-DC5V	5	62.5	3.5	0.5	400
HCP2-S-DC6V	6	90.0	4.2	0.6	
HCP2-S-DC9V	9	202.5	6.3	0.9	
HCP2-S-DC12V	12	360	8.4	1.2	
HCP2-S-DC24V	24	1440	16.8	2.4	
HCP2-S-DC48V	48	5760	33.6	4.8	

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

2 Form C

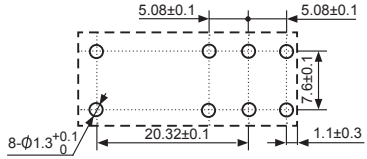
Outline





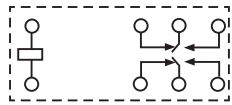
Mounting Hole Layout

(Bottom View)



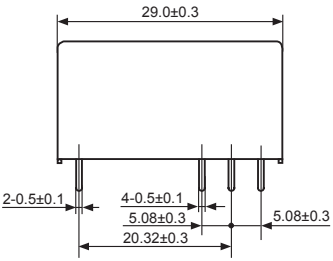
Wiring Diagram

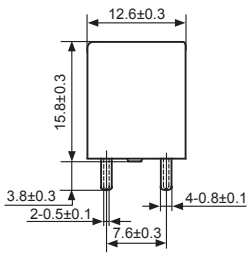
(Bottom View)



2 Form A

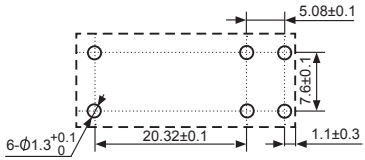
Outline





Mounting Hole Layout

(Bottom View)

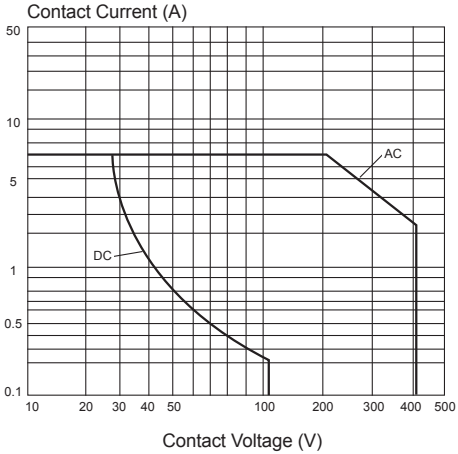


Wiring Diagram

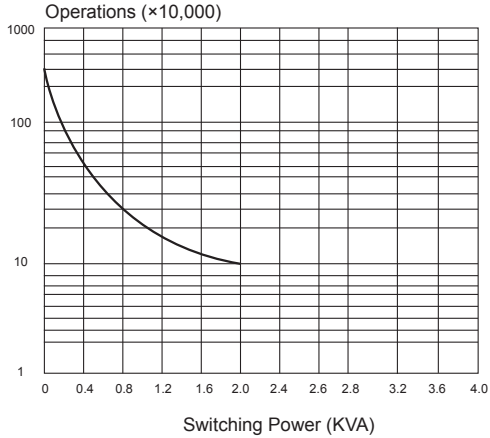
(Bottom View)

REFERENCE DATA

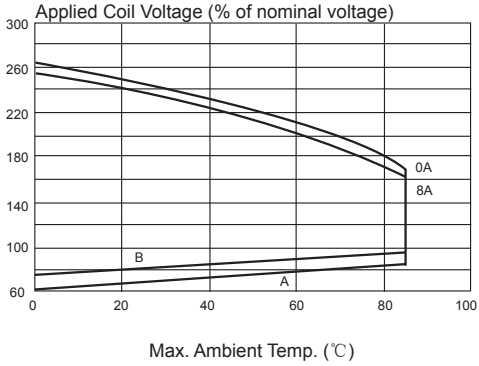
Maximum Switching Power



Life Curve



Max. Ambient Temp. Vs. Coil Voltage



A: Coil temperature = Ambient temperature.
B: 110% of nominal coil voltage at rated contact load.

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