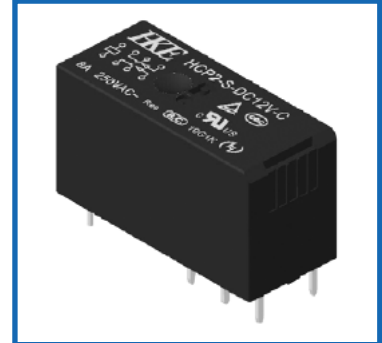


General Purpose PCB Power Relay



DESCRIPTION

A range of General Purpose DPST PCB Power Relays. These low profile, double pole, through hole mounting relays are designed for switching control signals within circuits.

DISTINCTIVE FEATURES

- Low profile, height 15.8mm
- Dimensions: 29.0×12.6×15.8(mm)
- Switching capacity 8A
- Contact: 2 Form A
- Sensitivity 400mW
- Insulation: 5KV
- Creepage distance: 10mm
- Enclosure: S - Plastic Sealed Type
- Contact Material: Ag Alloy
- Electrical Life: 100,000 operations

APPLICATIONS

These relays are suitable for a wide variety of applications, including automation control, automotive electronics, control and audio visual equipment.

8A

UL

TUV

CQC

VDE

DPST



ELECTRICAL SPECIFICATION

Contact Form		2 Form A
Contact Rating		Resistive: 8A 250VAC/30VDC Inductive: 4A 250VAC Cosφ=0.4
Contact Resistance		Max. 100mΩ (6VDC 1A)
Insulation Resistance		Min. 1000MΩ 500VDC
Load	Max Switching Voltage	440VAC/120VDC
	Max Switching Current	8A
	Max Switching Power	2,000VA, 240W
	Min Switching Load	5VDC, 100mA
Dialectric Strength	Between Open Contacts	1,000VAC, 1min
	Between Coil & Contacts	5,000VAC, 1min
Nominal Coil Power		400mW



ENVIRONMENTAL/OPERATING SPECIFICATION

Operating Temperature		-40°C to +85°C
Humidity		35~95%RH, +40°C
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



CERTIFICATION AND STANDARDS

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°C
TUV 50062453-0002	A/C	0.4W	5, 6, 9, 12, 24, 48, 60, 110 VDC	8A 250VAC	Ambient Temperature: 85°C
CQC09002030014 (GB/T 21711.1-2008)	A/C	0.4W	5, 6, 9, 12, 24, 48, 60, 110 VDC	8A 250VAC	Ambient Temperature: 85°C
VDE 40043990	A	0.4W	5, 6, 9, 12, 18, 24, 36, 48 VDC	8A 250VAC	Ambient Temperature: 85°C



TERMINALS

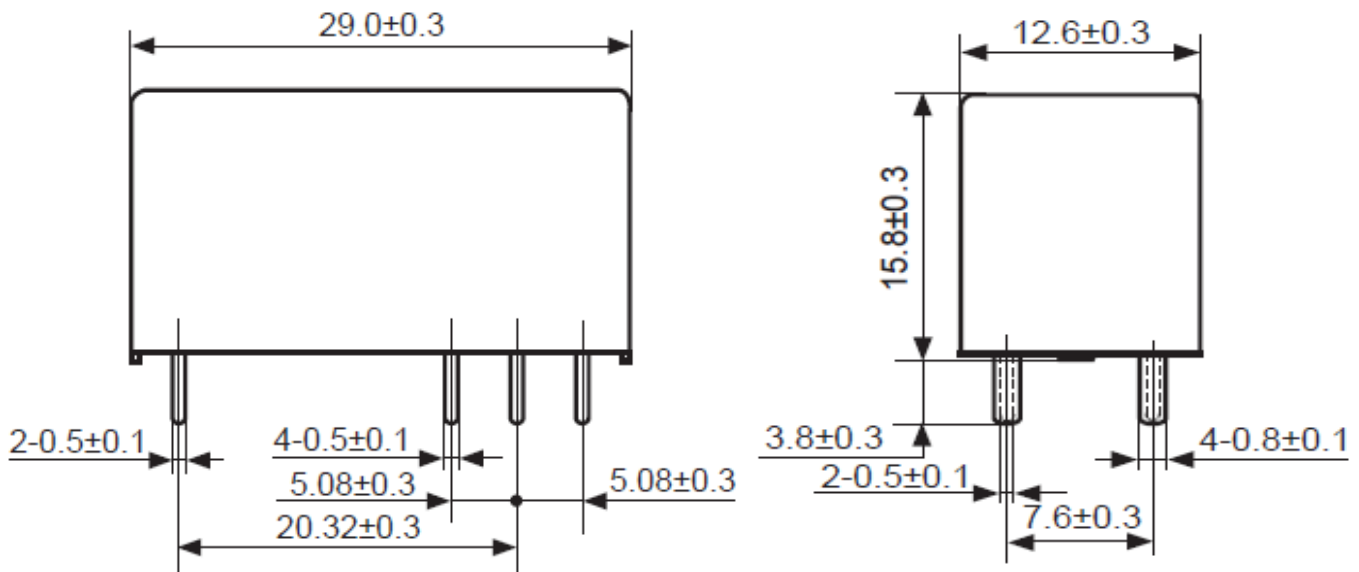
Terminal Type	Solder pins
Terminal Dimensions	See Drawings



DIMENSIONS/DRAWINGS

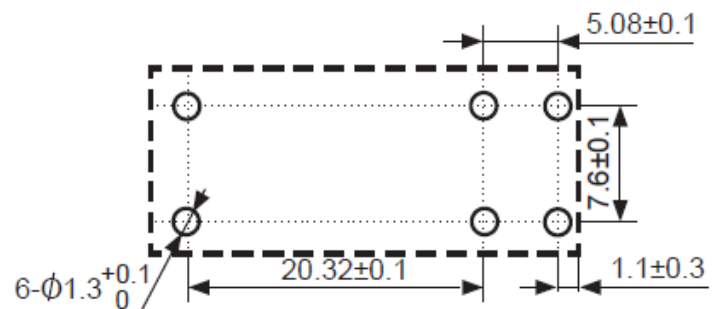
Units	mm – unless stated otherwise
Height (excluding pins)	15.8
Width/diameter	12.6
Length/depth	29.0
Weight	Approximately 13.0g

Dimensions



Wiring Diagram

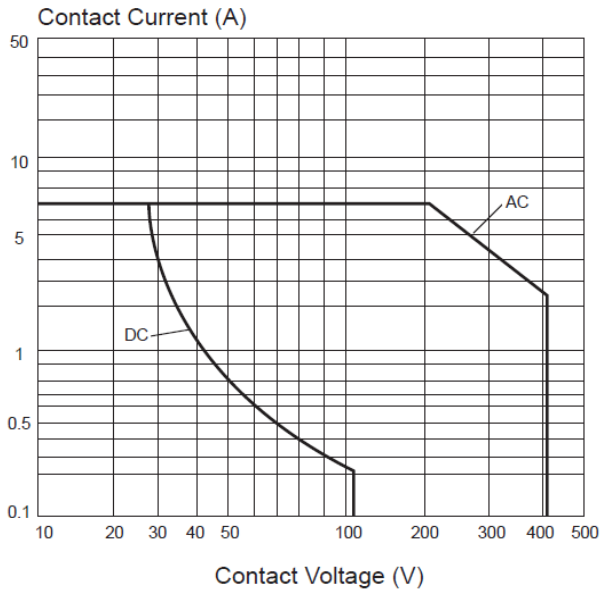
Mounting hole layout



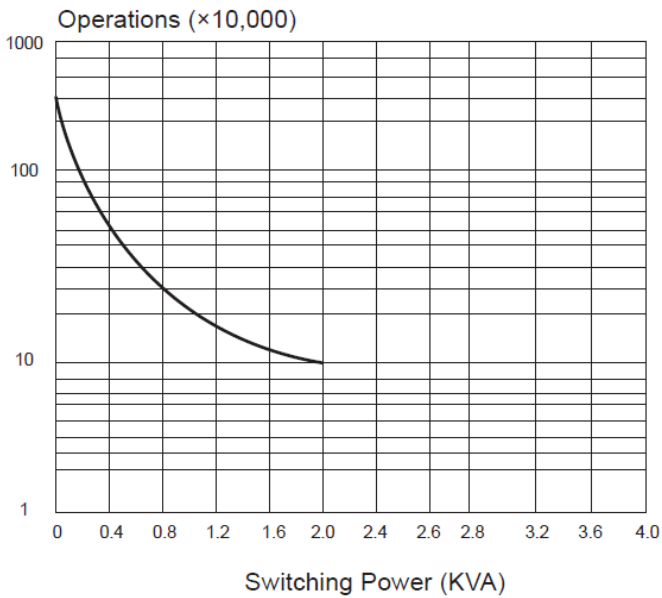


DIMENSIONS/DRAWINGS

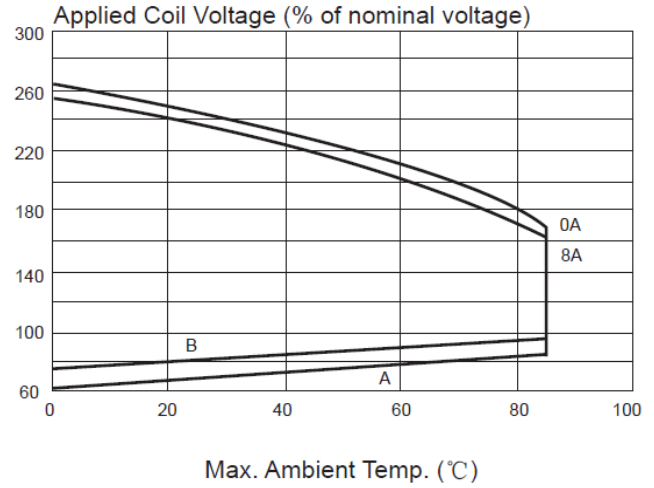
Maximum Switching Power



Life Curves



Max. Ambient Temp. Vs. Coil Voltage



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



PART NUMBER TABLE

Part number	Coil Power mW	Nominal Voltage VDC	Coil Resistance Ω +/-10%	Operating Voltage \leq VDC	Release Voltage \geq VDC	UNSPSC	EAN
61-6409	400	12	360	8.4	1.2	39122325	5053556032891
61-6410	400	24	1440	16.8	2.4	39122325	5053556032907



OPTIONS (MOQ MAY APPLY)

Also available with a coil voltage of	12, 24 VDC
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For further information on pricing, delivery, and long-term stock agreements please get in touch with your local business development contact, telephone our main office on **01206 838000** or email **Sales@Rapidonline.com**.



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