



POWER RELAY

Safety Approval

NO. 1063016(LR 109368)

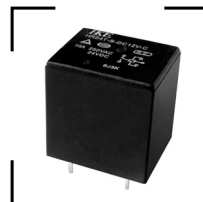
US NO. E164730

NO. CQC08002027614

NO. 50116136

Features

- Miniature relay
Dimension: 20.0×16.3×20.2(mm)
- Contact: 1 Form A, 1 Form B, 1 Form C
- UL Class F insulation



ORDERING INFORMATION

HRS4T [H] - [S] - [DC12V] - [A]				
Model	Coil Sensitivity	Enclosure	Coil Voltage	Contact Form
	H - High Sensitivity (360mW) Blank - Standard (450mW)	S - Plastic Sealed Type	DC3V, DC5V, DC6V, DC9V, DC12V, DC24V, DC48V	A - 1 Form A B - 1 Form B C - 1 Form C

SPECIFICATION

CONTACT DATA

Contact Form	1 Form A, 1 Form B, 1 Form C	
Contact Material	Ag Alloy	
Contact Rating	10A 250VAC/24VDC	
Contact Resistance	Max. 100mΩ (6VDC 1A)	
Load	Max. Switching Voltage	250VAC/30VDC
	Max. Switching Current	15A
	Max. Switching Power	2,500VA, 300W
	Min. Switching Load	5VDC, 100mA
Life	Electrical	100,000 operations (NO contact)
	Mechanical	10,000,000 operations

COIL DATA

Nominal Coil Power	360mW, 450mW
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GENERAL DATA

Insulation Resistance		Min. 1000MΩ 500VDC
Dielectric Strength	Between open contacts	1,000VAC, 1 min
	Between coil and contacts	1,500VAC, 1 min
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 12.0g

Note: Data shown are of initial value

SAFETY APPROVAL

File Number	Contact Form	Power Consumption	Coil Voltage	Contact Rating	Remark
CQC 08002027614 (GB/T 21711.1-2008)	A	0.36W/0.45W	3 - 48VDC	10A 250VAC	Ambient Temperature: 85℃
	B	0.36W/0.45W	3 - 48VDC	6A 250VAC	
	C	0.36W/0.45W	3 - 48VDC	NO/NC: 10A/6A 250VAC	
UL E164730	A/C	0.36W/0.45W	3 - 48VDC	10A 250VAC/30VDC	Class F Insulation Ambient Temperature: 85℃
TUV 50116136	A/B/C	0.36W/0.45W	3 - 48VDC	10A 250VAC/24VDC	Ambient Temperature: 85℃
TUV50116136(EN 60730-1)	A/B/C			10(2)A 250VAC	Ambient Temperature: 85℃

Specifications subject to change without notice

ISO9001、ISO/TS16949、ISO14001 Approved

HKE HRS4T-227

HRS4T

POWER RELAY

COIL DATA

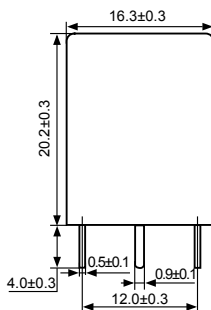
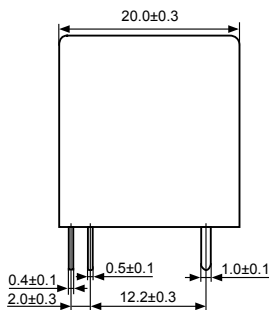
Ambient Temperature: 23°C

Model	Nominal Voltage VDC	Coil Resistance Ω ±10%	Operate Voltage $\leq$ VDC	Release Voltage $\geq$ VDC	Coil Power mW
HRS4T-S-DC3V	3	20	2.1	0.3	450
HRS4T-S-DC5V	5	55	3.5	0.5	
HRS4T-S-DC6V	6	80	4.2	0.6	
HRS4T-S-DC9V	9	180	6.3	0.9	
HRS4T-S-DC12V	12	320	8.4	1.2	
HRS4T-S-DC24V	24	1280	16.8	2.4	
HRS4T-S-DC48V	48	5120	33.6	4.8	
HRS4TH-S-DC3V	3	25	2.1	0.3	360
HRS4TH-S-DC5V	5	70	3.5	0.5	
HRS4TH-S-DC6V	6	100	4.2	0.6	
HRS4TH-S-DC9V	9	225	6.3	0.9	
HRS4TH-S-DC12V	12	400	8.4	1.2	
HRS4TH-S-DC24V	24	1600	16.8	2.4	
HRS4TH-S-DC48V	48	6400	33.6	4.8	

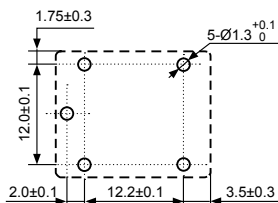
OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

1 Form C

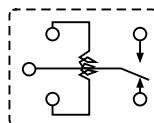
Outline



Mounting Hole Layout
(Bottom View)



Wiring Diagram
(Bottom View)

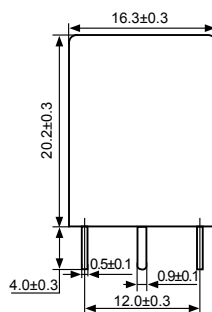
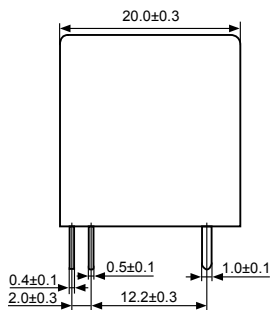


ISO9001、ISO/TS16949、ISO14001 Approved

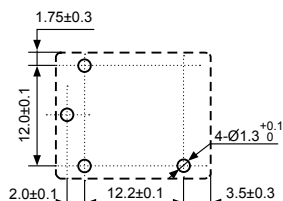
OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

1 Form B

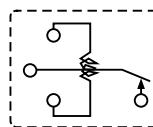
Outline



Mounting Hole Layout
(Bottom View)

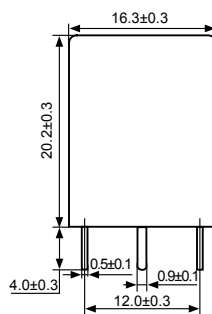
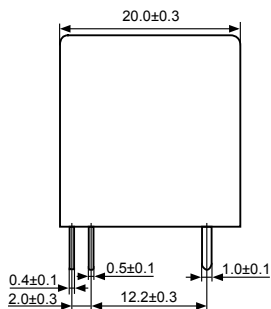


Wiring Diagram
(Bottom View)

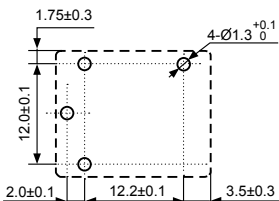


1 Form A

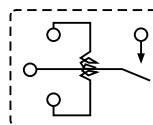
Outline



Mounting Hole Layout
(Bottom View)

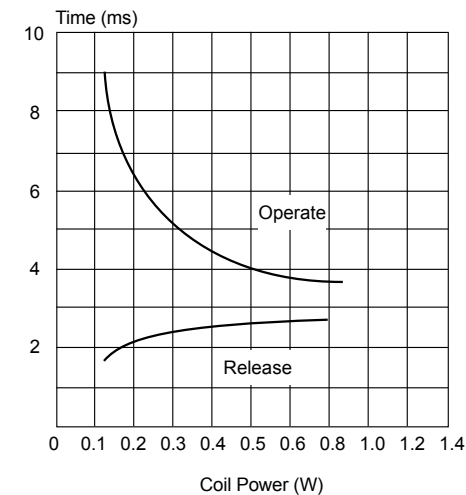


Wiring Diagram
(Bottom View)

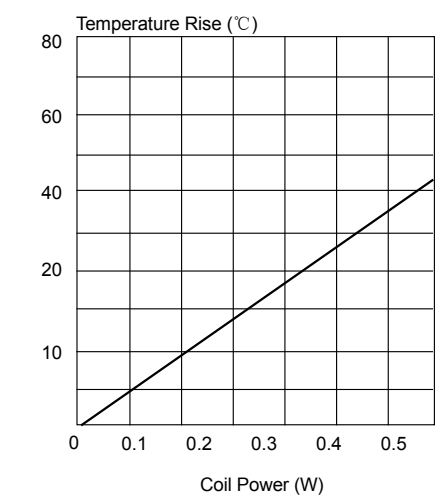


REFERENCE DATA

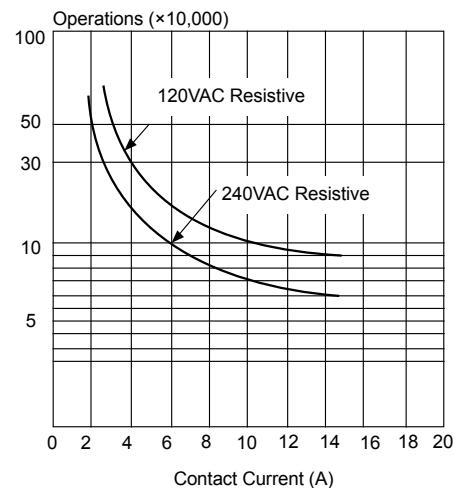
Timing



Coil Temperature Rise



Life Curves



Maximum Switching Power

