



HRM
Relay



519947



241303-1



P06206193



313776-01



No.50062740



140007



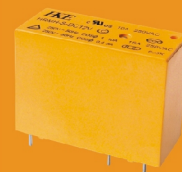
1063016



E164730



CQC02001001670



1.COIL DATA

1-1.Nominal Voltage	3,5,6,9,12,24,48VDC
1-2.Coil Resistance	Refer to Coil Data Chart
1-3.Operate Voltage	Refer to Coil Data Chart
1-4.Release Voltage	Refer to Coil Data Chart
1-5.Nominal Power	540mW、720mW

2.CONTACT DATA

2-1.Contact Form	A-1 Form A ,C-1 Form C
2-2.Contact Material	Ag Alloy
2-3.Contact Rating	Resistive:10A 250VAC/30VDC,TV-5 Inductive:5A 240VAC(COS Φ=0.4)
2-4.Max.Switching Voltage	250VAC/30VDC
2-5.Max.Switching Current	10A
2-6.Max.Switching Power	2,500VA,300W
2-7.Min.Switching Load	5VDC,100mA
2-8.Contact Resistance	Max 100mΩ (6VDC 1A)
2-9.Life	
Electrical	100,000 operations 50,000 operations(COS Φ=0.4,L/R=7ms)
Mechanical	10,000,000 operations

3.GENERAL DATA

3-1.Insulation Resistance	Min.1000M Ω 500VDC
3-2.Dielectric Strength	1,000VAC,1 min between open contacts 4,000VAC,1 min between coil and contacts
3-3.Operate Time	Max.15ms
3-4.Release Time	Max.8ms
3-5.Operate Temperature	-30 ~ +55°C(720mW) -30 ~ +70°C(540mW)
3-6.Shock Resistance	
Endurance	1,000m/s ²
Misoperation	100m/s ²
3-7.Vibration Resistance	
Endurance	10 ~ 55Hz,1.5mm double amplitude
Misoperation	10 ~ 55Hz,1.5mm double amplitude
3-8.Humidity	35% ~ 95%RH,+40°C
3-9.Weight	Approximately 13g
3-10.Safety	UL NO.E164730 TUV NO.50062740 VDE NO.140007 CSA NO.1063016(LR 109368) CQC NO.02001001670 SEMKO NO.519947



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4.ORDER CODE

HRM H - S - DC5V - A

CONTACT FORM

A- 1 Form A

C- 1 Form C

COIL VOLTAGE

DC3V,DC5V,DC6V,DC9V,DC12V,DC24V,DC48V

ENCLOSURE

S - Plastic Sealed Type

COIL POWER

H-High Sensitivity 540mW

NIL-Standard 720mW

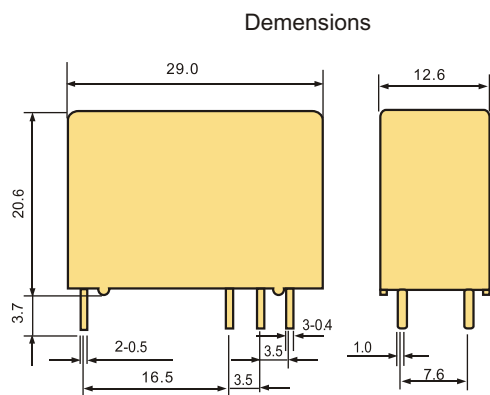
RELAY MODEL

5.COIL DATA CHART

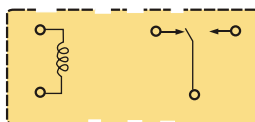
20°C

Model	Nominal Voltage VDC	Coil Resistance Ω +/-10%	Operate Voltage \leq VDC	Release Voltage \geq VDC	Coil Power mW
HRM(S)-DC3V	3	12.5	2.25	0.3	720
HRM(S)-DC5V	5	35	3.75	0.5	
HRM(S)-DC6V	6	50	4.50	0.6	
HRM(S)-DC9V	9	112.5	6.75	0.9	
HRM(S)-DC12V	12	200	9.0	1.2	
HRM(S)-DC24V	24	800	18.0	2.4	
HRM(S)-DC48V	48	3200	36.0	4.8	
HRMH(S)-DC3V	3	17	2.25	0.3	540
HRMH(S)-DC5V	5	46	3.75	0.5	
HRMH(S)-DC6V	6	67	4.50	0.6	
HRMH(S)-DC9V	9	150	6.75	0.9	
HRMH(S)-DC12V	12	267	9.0	1.2	
HRMH(S)-DC24V	24	1067	18.0	2.4	
HRMH(S)-DC48V	48	4267	36.0	4.8	

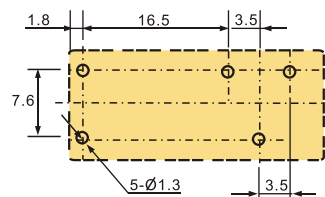
6.DIMENSIONS (mm)



Wiring Diagrams
(Bottom View)

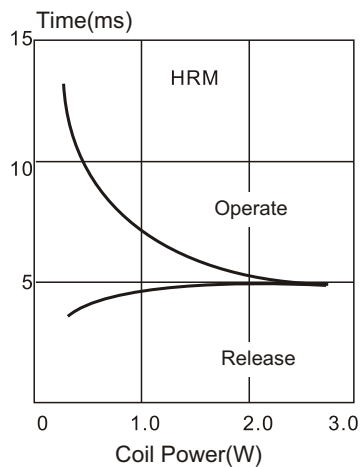


Mounting Hole
Layout(Bottom View)

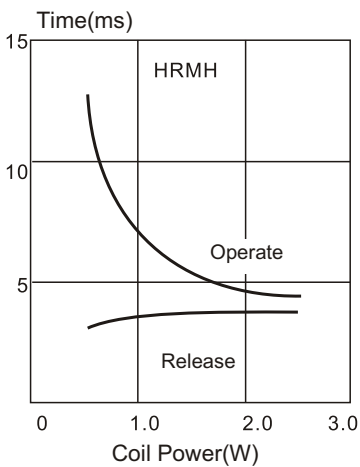


7.HRM CHARACTERISTIC CHART DATA

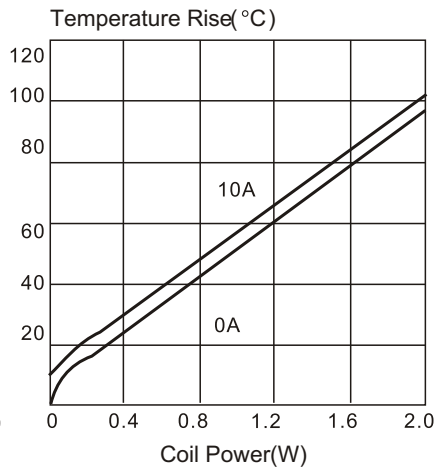
Timing(standard)



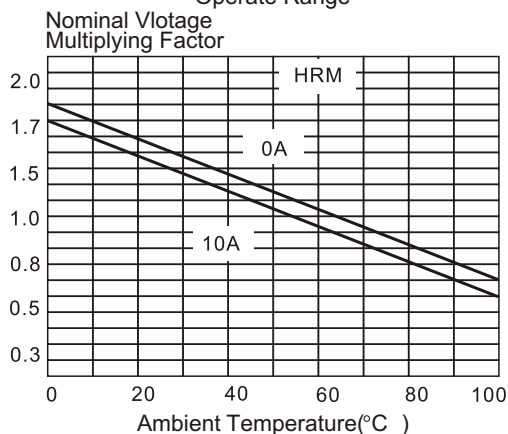
Timing(high sensitive)



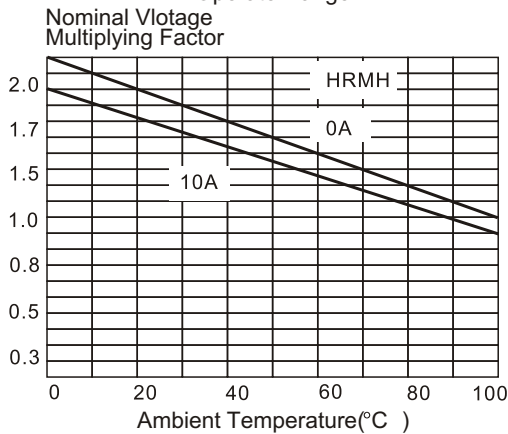
Coil Temperature Rise (standard)



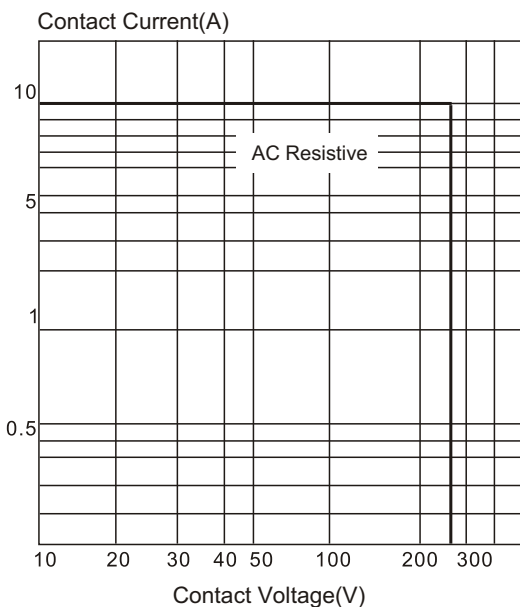
Operate Range



Operate Range



Max.Switching Power



Life Curves

