



HRM3 Relay



519948



22463



P06206140



313782-01



No. 50062740



40018308



1063016



E164730



CQC02001001296



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	150mW、250mW、540mW

2.CONTACT DATA

2-1.Contact Form	A- 1 Form A
2-2.Contact Material	Ag Alloy
2-3.Contact Rating	10A 250VAC/30VDC,TV-5
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
Mechanical	2,000,000 operations

3.GENERAL DATA

3-1.Insulation Resistance	Min.1000MΩ 500VDC
3-2.Dielectric Strength	1,000VAC,1 min between open contacts 4,000VAC,1 min between coil and contacts
3-3.Sure Strength	10,000VAC
3-4.Operate Time	Max.15ms
3-5.Release Time	Max.8ms
3-6.Operate Temperature	-40 ~ +70℃
3-7.Shock Resistance	
Endurance	1,000m/s ²
Misoperation	100m/s ²
3-8.Vibration Resistance	
Endurance	10~ 55Hz,1.5mm double amplitude
Misoperation	10~ 55Hz,1.5mm double amplitude
3-9.Humidity	35%~ 95%RH,+40℃
3-10.Weight	Approximately 10g
3-11.Safety	UL NO.E164730 TUV NO.50062740 CSA NO.1063016(LR 109368) VDE NO.40018308 SEMKO NO.519948 CQC NO.0200100296

4.ORDER CODE

HRM3 H - S - DC5V - A

CONTACT FORM
A- 1 Form A

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

ENCLOSURE
S - Plastic Sealed Type

COIL POWER
H-High Sensitivity 250mW
L-High Sensitivity 150mW
NIL-Standard 540mW

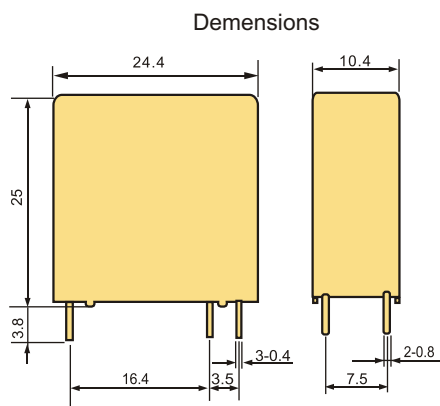
RELAY MODEL

5.COIL DATA CHART

20℃

Model	Nominal Voltage VDC	Coil Resistance Ω +/-10%	Operate Voltage $\leq$ VDC	Release Voltage $\geq$ VDC	Coil Power mW
HRM3-(S)-DC3V	3	17	2.25	0.3	540
HRM3-(S)-DC5V	5	47	3.75	0.5	
HRM3-(S)-DC6V	6	67	4.50	0.6	
HRM3-(S)-DC9V	9	150	6.75	0.9	
HRM3-(S)-DC12V	12	267	9.0	1.2	
HRM3-(S)-DC24V	24	1067	18.0	2.4	
HRM3-(S)-DC48V	48	4267	36.0	4.8	
HRM3H-(S)-DC3V	3	36	2.25	0.3	250
HRM3H-(S)-DC5V	5	100	3.75	0.5	
HRM3H-(S)-DC6V	6	144	4.50	0.6	
HRM3H-(S)-DC9V	9	324	6.75	0.9	
HRM3H-(S)-DC12V	12	576	9.0	1.2	
HRM3H-(S)-DC24V	24	2304	18.0	2.4	
HRM3H-(S)-DC48V	48	9216	36.0	4.8	
HRM3L-(S)-DC3V	3	60	2.25	0.3	150
HRM3L-(S)-DC5V	5	167	3.75	0.5	
HRM3L-(S)-DC6V	6	240	4.5	0.6	
HRM3L-(S)-DC9V	9	540	6.75	0.9	
HRM3L-(S)-DC12V	12	960	9.0	1.2	
HRM3L-(S)-DC24V	24	3840	18.0	2.4	

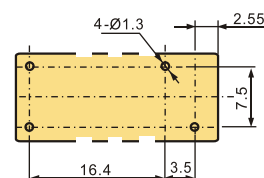
6.DIMENSIONS (mm)



Wiring Diagrams
(Bottom View)

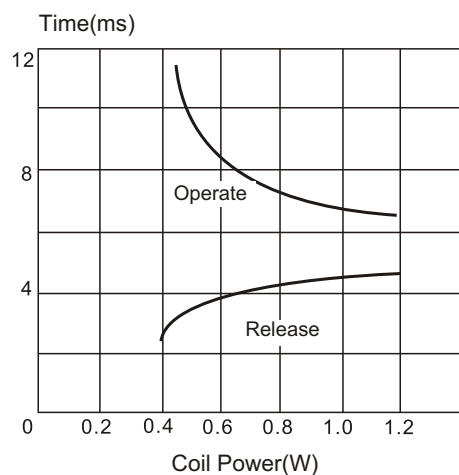


Mounting Hole
Layout(Bottom View)

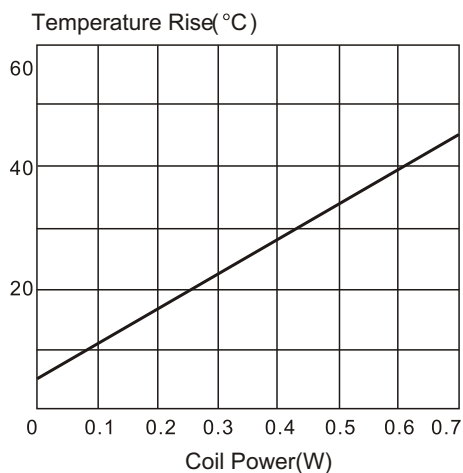


7.HRM3 CHARACTERISTIC CHART DATA

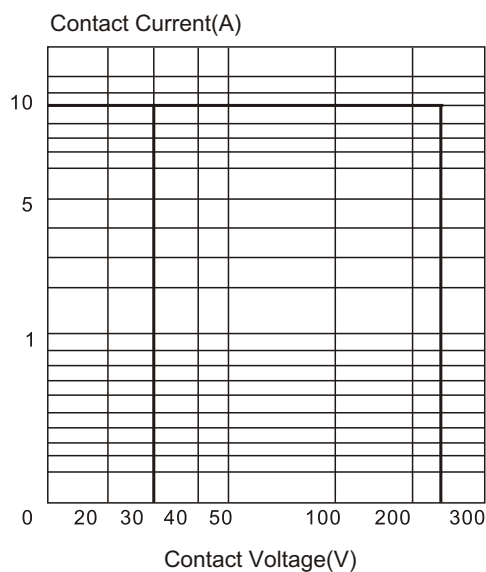
Timing



Coil Temperature Rise



Max.Switching Power



Life Curves

