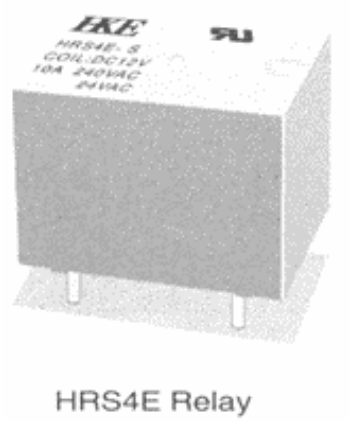
HRS4E Relay

1.COIL DATA

1-1.Nominal Voltage	3 VDC to 48 VDC
1-2.Coil Resistance	Refer to Table 1
1-3.Operate Voltage	Refer to Table 1
1-4.Release Voltage	Refer to Table 1
1-5.Nominal Power Consumption	360 mW



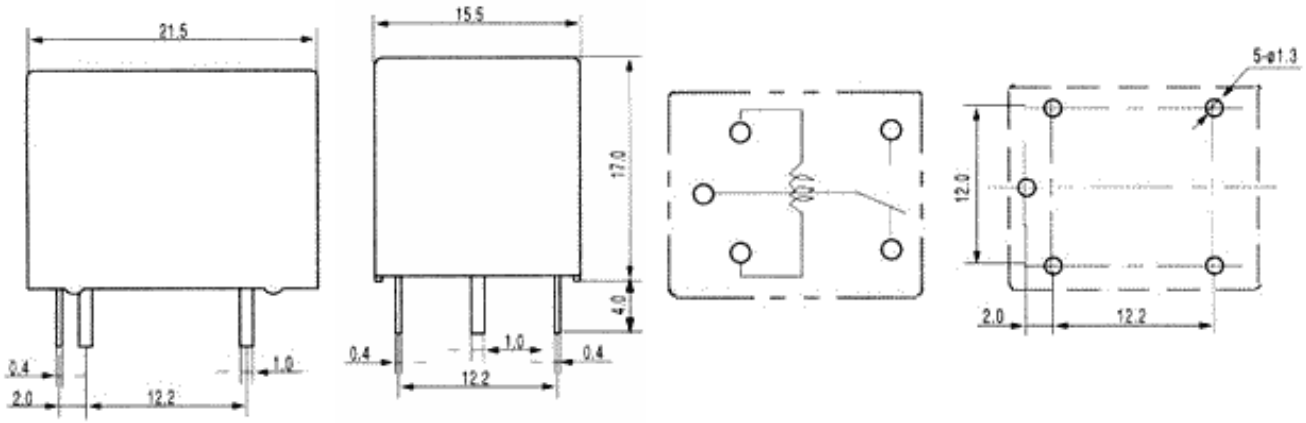
2.CONTACT DATA

2-1.Contact Arrangement		1 Form A , 1 Form C
2-2.Contact Material		AuCdo
2-3.Contact Rating		12A 120VAC / 24VDC 10A 240VAC / 24VDC
2-4.Max. Switching Voltage		110 VDC / 250 VAC
2-5.Max. Switching Current		15A
2-6.Max. Switching Power		2500 VA , 240W
2-7.Contact Resistance (Initial)		1,000 m¦¸. at 6VDC 1A
2-8.Life Expectancy	Electrical	100,000 operations at nominal load
	Mechanical	10,000,000 operations

3.GENERAL DATA

3-1.Insulation Resistance	Min.100M¦¸ at 500 VDC
3-2.Dielectric Strength	1,000VAC , 1min between open contacts 2,500VAC , 1min between contacts and coil
3-3.Operate Time	Max. 10ms
3-4.Release Time	Max. 5ms
3-5.Temperature Range	-30 to +70 ¡æ
3-6.Shock Resistance	10G
3-7.Vibration Resistance	10 - 55 Hz , Amplitude 1.5mm
3-8.Weight	10 gr.
3-9.Safety Standard	Conform to VDE0110 AND 0435 , UL , CSA

4.DIMENSIONS (in mm)



¡¡

5.ORDERING CODE

HRS4E	S	DC3V	A	¡¡
				CONTACT ARRANGEMENT **A**: 1 FORM A **C**:1 FORM C
				NOMINAL VOLTAGE: DC3V , DC5V , DC6V , DC9V , DC12V , DC24V , DC48V

				ENCLOSURE S ---- WASHABLE
				TYPE

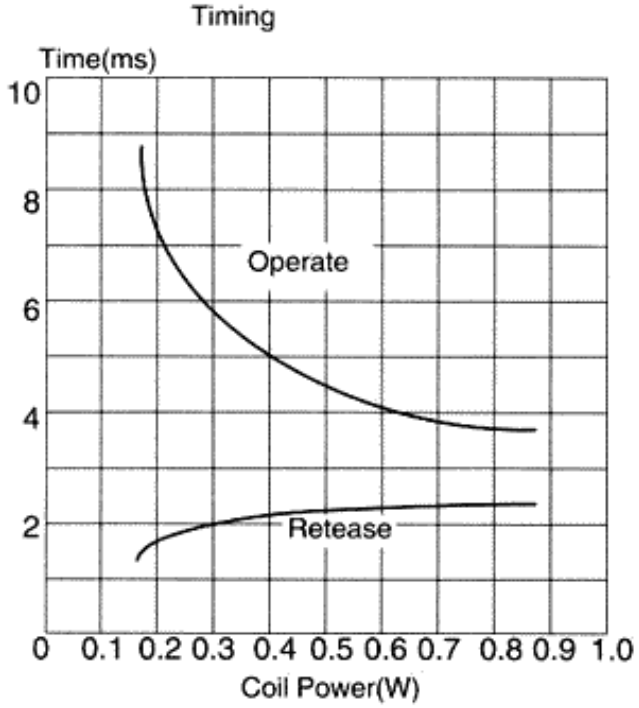
6.COIL DATA CHART

at 20¡æ

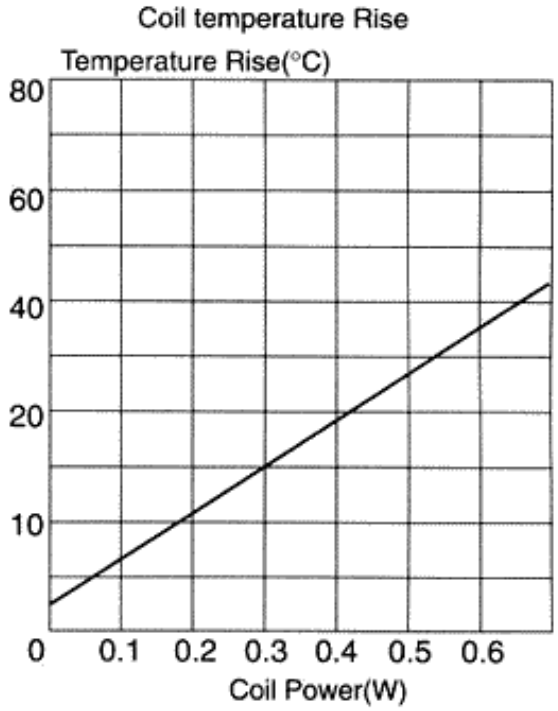
ORDERING CODE	COIL NOMINAL VDC	COIL RESISTANCE ¦ ¦ +/- 10%	OPERATE VOLTAGE VDC	RELEASE VOLTAGE VDC	COIL NOMINAL mW
HRS4E-S DC3V	3	25	2.25	0.30	360
HRS4E-S DC5V	5	70	3.75	0.50	
HRS4E-S DC6V	6	100	4.50	0.60	
HRS4E-S DC9V	9	225	6.75	0.90	
HRS4E-S DC12V	12	400	9.00	1.20	
HRS4E-S DC24V	24	1600	18.00	2.40	
HRS4E-S DC48V	48	6400	36.00	4.80	

Table 1

7.HRS4E CHARACTERISTIC DATA

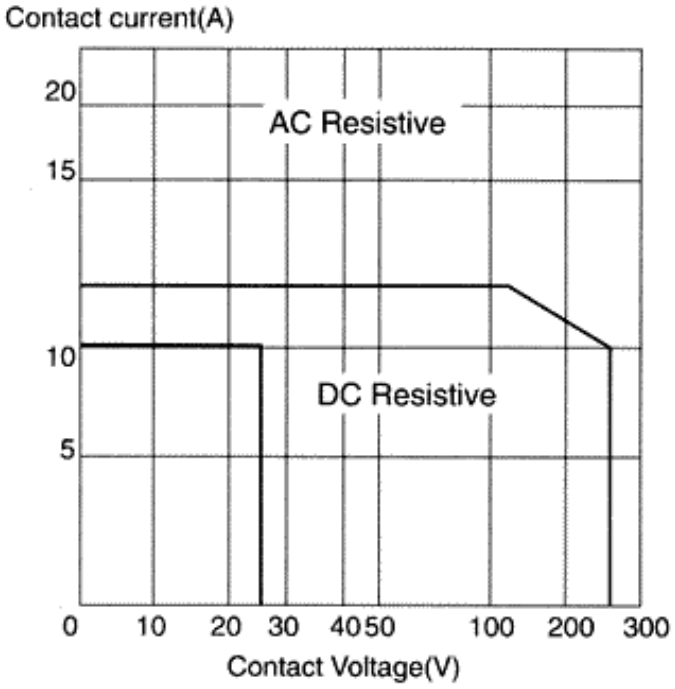


ii



ii

Maximum Switching Power



Life Curve

