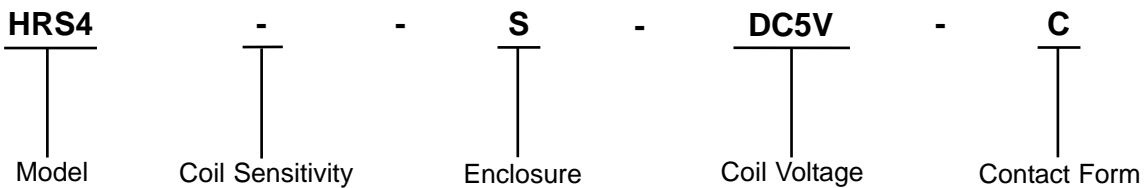




Features:

- Miniature relay.
Dimension : 19 × 15.5 × 15.8 (mm).
- Contact form : 1 form C.
- TV-5 rating.

Part Number Explanation:



- Coil Sensitivity** : Blank - Standard (450mW)
Enclosure : S-Plastic Sealed Type.
Coil Voltage : DC5V, DC12V and DC24V.
Contact Form : C-1 Form C.

Specifications

| Contact Data | | |
|--------------------|-----------------------------|-----------------------|
| Contact Material | Ag Alloy | |
| Contact Rating | A: 15A 125V ac, 10A 250V ac | |
| | C: NO: 10A 250V ac / 24V dc | |
| | NC: 6A 250V ac / 24V dc | |
| | TV-5 125V ac | |
| Contact Resistance | Maximum 100mΩ (6V dc 1A) | |
| Load | Maximum Switching Voltage | 250V ac / 30V dc |
| | Maximum Switching Current | 15A |
| | Maximum Switching Power | 2,500VA,300W |
| | Minimum Switching Load | 5V dc,100mA |
| Life | Electrical | 100,000 Operations |
| | Mechanical | 10,000,000 Operations |

Specifications

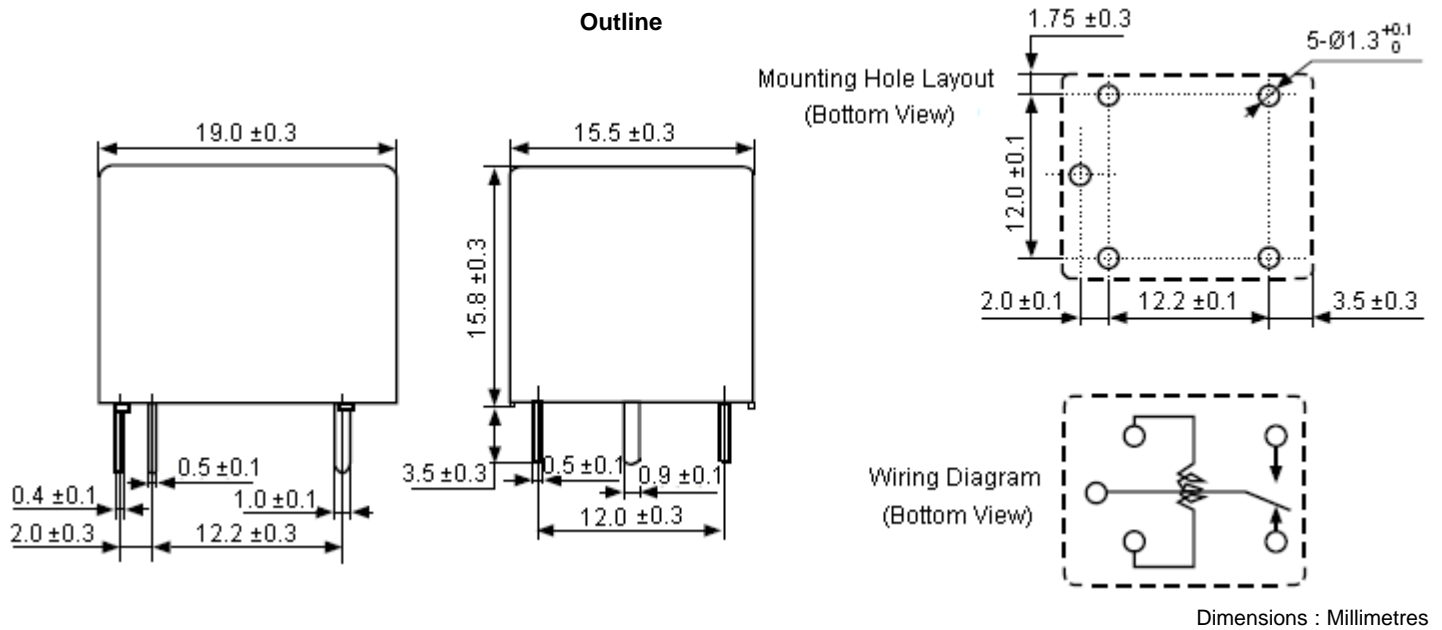
| Coil Data | | |
|-----------------------|---------------------------|------------------------------------|
| Nominal Coil Power | | 360mW, 450mW |
| General Data | | |
| Insulation Resistance | | Minimum 1,000M Ω 500V dc |
| Dielectric Strength | Between Open Contacts | 750V ac, 1 Min |
| | Between Coil and Contacts | 1,500V ac, 1 Min |
| Operate Time | | Maximum 10ms |
| Release Time | | Maximum 5ms |
| Operating Temperature | | -40 to +85°C |
| Humidity | | 35 to 95% RH, +40°C |
| Shock Resistance | Endurance | 1,000m/s ² |
| | Misoperation | 100m/s ² |
| Vibration Resistance | Endurance | 10 to 55Hz, 1.5mm Double Amplitude |
| | Misoperation | |

Coil Data

Ambient Temperature: 23°C

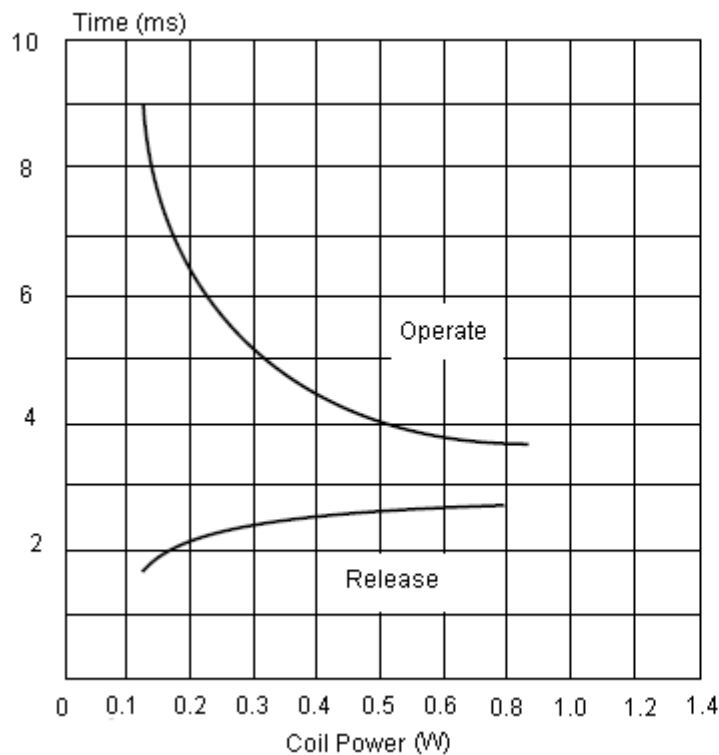
| Nominal Voltage V dc | Coil Resistance $\Omega \pm 10\%$ | Operate Voltage $\leq V$ dc | Release Voltage $\geq V$ dc | Coil Power mW | Part Number |
|-------------------------|--------------------------------------|--------------------------------|--------------------------------|------------------|----------------|
| 5 | 55 | 3.5 | 0.5 | 450 | HRS4-S-DC5V-C |
| 12 | 320 | 8.4 | 1.2 | | HRS4-S-DC12V-C |
| 24 | 1280 | 16.8 | 2.4 | | HRS4-S-DC24V-C |

Out Line, Wiring Diagram, Mounting Hole Layout (Unit : mm)

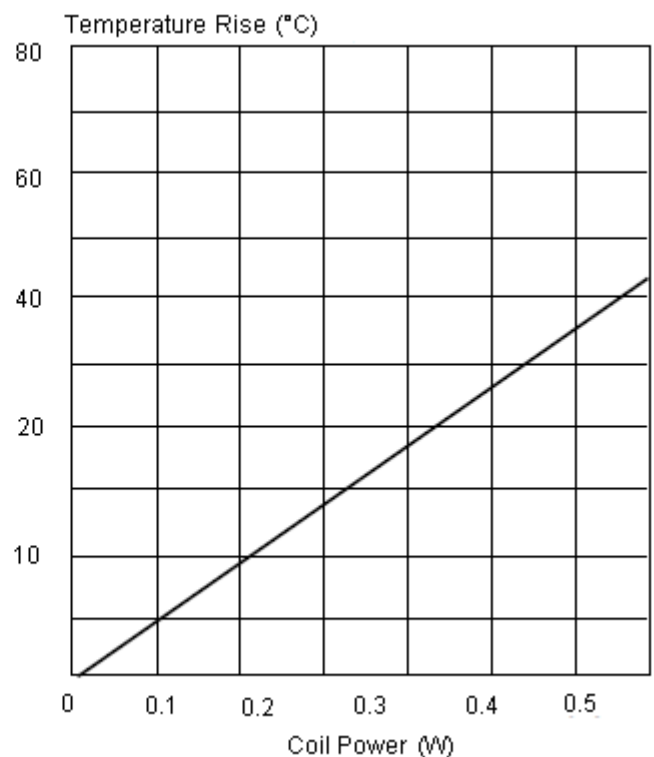


Characteristic Chart Data

Timing

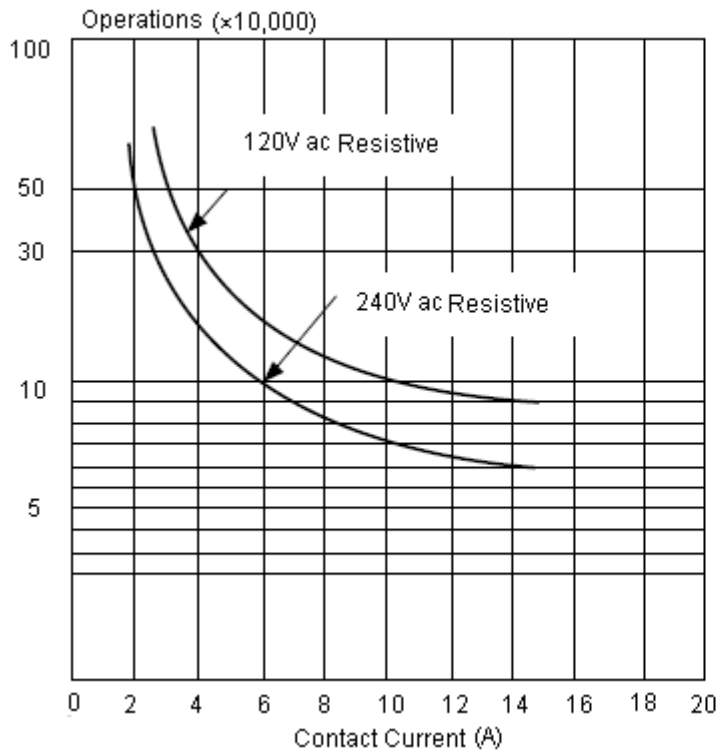


Coil Temperature Rise

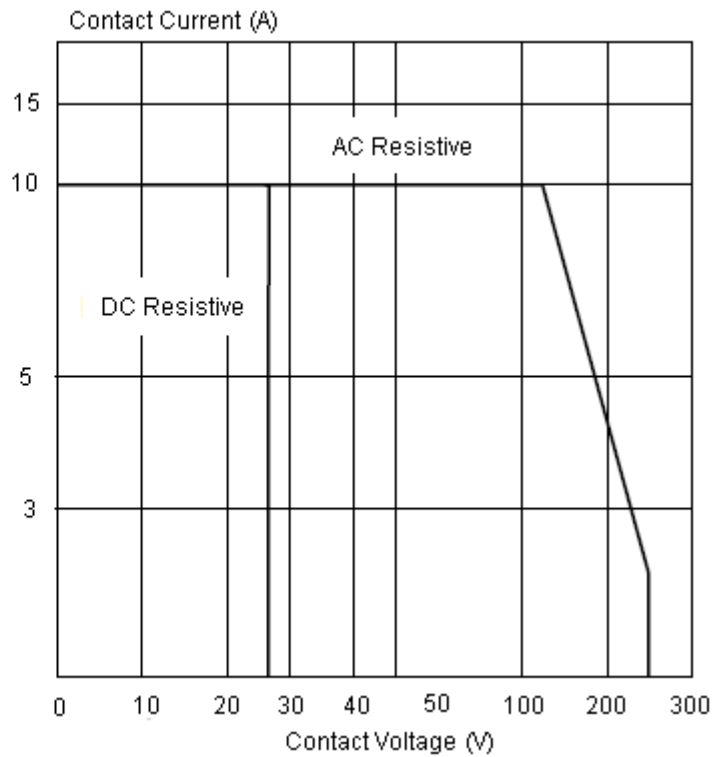


Characteristic Chart Data

Life Curves



Maximum Switching Power



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