



HJR1-2C

SPECIFICATION

FILE NUMBER: P-08KA401A

DATE: 2001/11/02



■ Features

- DPDT configuration
- High sensitivity
- DIP standard terminals
- Sealed version

■ CONTACT DATA

| | | |
|----------------------------|---------------------|-----------------------------------|
| Contact Form | 2C | |
| Contact Material | Ag+Au | AgNi+Au |
| Contact Ratings | 0.5A 120VAC/1A24VDC | 1A120VAC/2A 24VDC |
| Max Switching Voltage | 240VAC/60VDC | |
| Max Switching Current | 1A | 2A |
| Max Switching Power | 60VA/30W | 120VA/60W |
| Contact Resistance | 100m Ω Max | at 6VDC 1A |
| Life Expectancy Electrical | 100,000 | Operations(at30Operations/minute) |
| Machanical | 10,000,000 | Operations |

■ GENERAL DATA

| | | |
|---|-----------------------------------|-----|
| Insulation Resistance | 100M Ω Min at 500VDC | |
| Dielectric Strength Between Open Contacts | 500/750VAC (for one minute/sec) | |
| Between Contacts and coil | 1000/1250VAC (for one minute/sec) | |
| Operate Time | 6ms | |
| Release Time | 4ms | |
| Temperature Range | -30°C to+70 °C | |
| Shock Resistance | Operating Extremes | 10G |
| | Damage Limits | 50G |
| Vibration Resistance | 10-55Hz,1.5mm | |
| Humidity | 40-85% | |
| Weight | Approx.5g | |
| Safety Standard | UL:E173485 cUL. TUV:R9859574 | |



COIL DATA

| Nominal Voltage (VDC) | Coil Resistance at 20±10%(Ω) | | | Max Operate Voltage VDC | Min Release Voltage VDC | Max Applicable Voltage VDC |
|--------------------------|------------------------------|----------|----------|----------------------------|----------------------------|-------------------------------|
| | 0.2W | 0.36W | 0.45W | | | |
| 3 | 45 | 25 | 20 | 2.25 | 0.3 | 3.9 |
| 5 | 125 | 70 | 56 | 3.75 | 0.5 | 6.5 |
| 6 | 180 | 100 | 80 | 4.5 | 0.6 | 7.8 |
| 9 | 405 | 220 | 180 | 6.75 | 0.9 | 11.7 |
| 12 | 720 | 400 | 320 | 9 | 1.2 | 15.6 |
| 24 | 2800 | 1600 | 1280 | 18 | 2.4 | 31.2 |
| 48 | | 6400±15% | 5100±15% | 36 | 4.8 | 62.4 |

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CONTACT DATA

| | | |
|----------------------------|--------------|-----------------------------------|
| Contact Form | 2C | |
| Contact Material | Ag+Au | |
| Contact Ratings | 0.5A 120VAC | 1A 24VDC |
| Max Switching Voltage | 240VAC/60VDC | |
| Max Switching Current | 2A | |
| Max Switching Power | 240VA/60W | |
| Contact Resistance | 100m Ω Max | at 6VDC 1A |
| Life Expectancy Electrical | 100,000 | Operations(at30Operations/minute) |
| Machanical | 10,000,000 | Operations |



■ GENERAL DATA

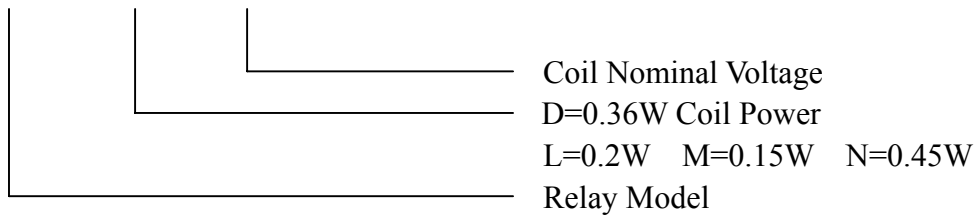
| | | |
|---|--------------------|------------------------------|
| Insulation Resistance | | 100M Ω Min at 500VDC |
| Dielectric Strength Between Open Contacts | | 500(for one minute) |
| Between Contacts and coil | | 1000(for one minute) |
| Operate Time | | 8ms |
| Release Time | | 4ms |
| Temperature Range | | -30 °C to+70 °C |
| Shock Resistance | Operating Extremes | 10G |
| | Damage Limits | 50G |
| Vibration Resistance | | 10-55Hz,1.5mm |
| Humidity | | 40-85% |
| Weight | | Approx.5g |
| Safety Standard | | UL:E173485 cUL. TUV:R9859574 |

■ COIL DATA

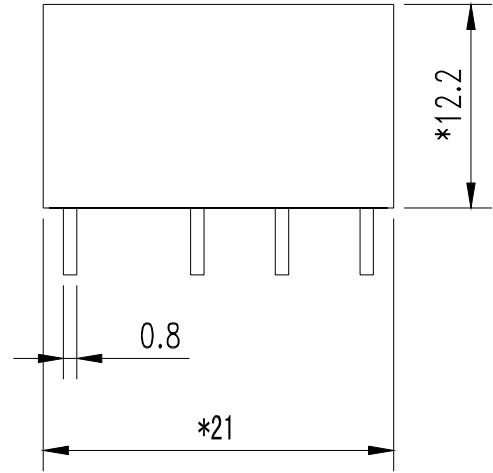
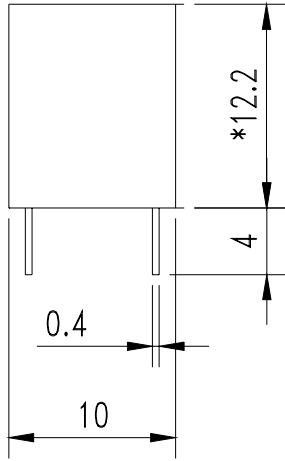
| Nominal Voltage (VDC) | Coil Resistance at 20±10%(Ω) | Max Operate Voltage | Min Release Voltage | Max Applicable Voltage |
|--------------------------|------------------------------|---------------------|---------------------|------------------------|
| | 0.15W | VDC | VDC | VDC |
| 3 | 60 | 2.4 | 0.15 | 3.9 |
| 5 | 167 | 4 | 0.25 | 6.5 |
| 6 | 240 | 4.8 | 0.3 | 7.8 |
| 9 | 540 | 7.2 | 0.45 | 11.7 |
| 12 | 960 | 9.6 | 0.6 | 15.6 |
| | | | | |
| | | | | |

■ ORDERING CODE

HJR1-2C D--12VDC



OVERALL AND MOUNTING DIMENSIONS



*(1)11.8 x20.3 (2)12.2x21

Dimensions

Terminal Arrangement/
Internal Connections
(Bottom view)

