

HVR1C12-HG

Mercury Wetted Reed Relay

PRODUCT VISUAL

SOURCE IMAGE NOT AVAILABLE

source image

KEY RATINGS

NOMINAL COIL VOLTAGE

12 VDC

MAX OPERATING VOLTAGE

16 VDC

MAX PULL-IN VOLTAGE

9.0 VDC

MIN DROP-OUT VOLTAGE

1.0 VDC

MIN BREAKDOWN VOLTAGE

2K VDC

CONTACT FORM

1 Form C

OVERVIEW

- High Dielectric Strength - up to 2000V Isolation
- Low Contact Resistance
- Custom Design Available For Coil Resistance And Pin Out
- High Carry Current
- Excellent Lifetime Characteristics

COIL DATA

|                       |         |
|-----------------------|---------|
| Nominal coil voltage  | 12 VDC  |
| Max Operating voltage | 16 VDC  |
| Max Pull-in voltage   | 9.0 VDC |
| Min Drop-out voltage  | 1.0 VDC |
| Coil Resistance       | 250 ohm |

CONTACT RATINGS

|                        |               |
|------------------------|---------------|
| Min Breakdown Voltage  | 2K VDC        |
| Contact Form           | 1 Form C      |
| Max Contact Rating     | 50 W          |
| Max Switch Voltage     | 1KV ACpeak/DC |
| Max Switch Current     | 1.0 A         |
| Max Carrying Current   | 5.2 A         |
| Max Contact Resistance | 80 mohm       |

ELECTRICAL CHARACTERISTICS

|                                       |                    |
|---------------------------------------|--------------------|
| Breakdown Voltage                     | 2K VDC             |
| Isolation Contact to Coil             | 2K VDC             |
| Insulation Resistance Contact to Coil | 10 <sup>12</sup> Ω |
| Operate Time, incl. Bounce            | 3.0ms              |
| Reset Time                            | 3.0ms              |
| Capacitance Across Contact            | 0.8pF              |

ENVIRONMENTAL / OPTIONS

|                       |                 |
|-----------------------|-----------------|
| Storage Temperature   | -35~+105°C      |
| Operating Temperature | -20~+70°C       |
| Soldering Temperature | 5 sec.max 260°C |

MECHANICAL OUTLINE / DIMENSIONS

Outline image recorded in source PDF

CIRCUIT / MARKING / TERMINAL VIEW

Connection figure not available

ORDERING & SOURCE TRACEABILITY

HVR1C12-HG — Mercury Wetted Reed Relay

Source: HVR-Wet series.pdf

Technical values are preserved from source PDFs / generated metadata. Original outline and circuit figures are reused where available; do not treat artwork proportions as standalone dimensional authority.