

10kV High Voltage Reed Relays (HVR / HRX Series)

High Isolation Voltage up to 10kV-15kV DC | Form 1A / 1B / 2A / 4A

Product Overview

Misensor HVR and HRX series 10kV high-voltage reed relays utilize vacuum/gas-filled high-voltage reed switches encapsulated in high-dielectric epoxy packages. Designed for cable testers, hipot insulation testers, EV BMS isolation monitoring, medical defibrillators, and high-voltage power supplies.

Key Features

- 10kV to 15kV DC dielectric breakdown voltage
- Switching voltage up to 7,500V-10,000V DC
- Coil voltages: 5V, 12V, 24V DC
- PCB pin or flying high-voltage lead wire options
- Low contact resistance (<100 mOhm) & long life
- 100% tested for high-voltage standoff & insulation

Typical Applications

- Semiconductor & cable harness ATE systems
- High-voltage insulation resistance & Hipot testers
- EV battery management & charging pile isolation
- Medical instrumentation & high-voltage pulse equip...
- Solar photovoltaic & power grid monitoring

Technical Specifications & Model Selection

Model	Contact Form	Coil Voltage	Max Switching Power	Max Switching Voltage	Breakdown Voltage	Max Carry Current
HVR05-1A10	1A (SPST-NO)	5V DC	50W	7500V DC	10000V DC	3.0A
HVR12-1A10-04	1A (SPST-NO)	12V DC	50W	7500V DC	10000V DC	3.0A
HVR12-1A10-06	1A (SPST-NO)	12V DC	50W	7500V DC	10000V DC	3.0A
HVR12-1A10-150	1A (SPST-NO)	12V DC	50W	7500V DC	10000V DC	3.0A
HVR24-1A10-04	1A (SPST-NO)	24V DC	50W	7500V DC	10000V DC	3.0A
HVR24-1A10-06	1A (SPST-NO)	24V DC	50W	7500V DC	10000V DC	3.0A
HVR12-1B10-06	1B (SPST-NC)	12V DC	50W	7500V DC	10000V DC	3.0A
HVR24-1B10-06	1B (SPST-NC)	24V DC	50W	7500V DC	10000V DC	3.0A
HVR12-4A10-01	4A (4PST-NO)	12V DC	50W	7500V DC	10000V DC	3.0A