

# HVFR12-4A Product Datasheet

Rebuilt engineering datasheet using server-side original source files where available. The old source contact information is not reused; current website/contact information is shown in header and footer.

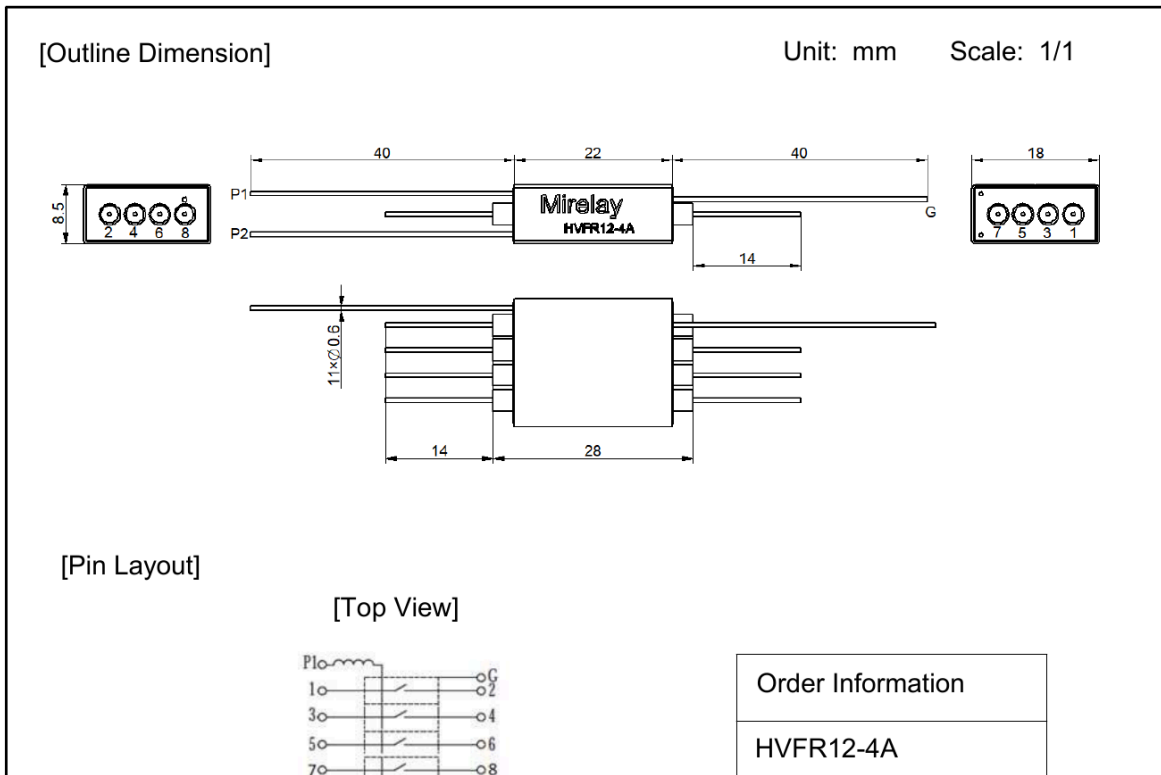
## Source validation

Source: HVFR12-4A.pdf Original PDF/Image embedded as dimension reference

Original source used as screenshot/data reference; contact header/footer replaced with current Reed Relay website information.

## Mechanical dimensions / source drawing screenshot

- Excellent Lifetime Characteristics
- Custom Design Available



Screenshot is cropped from the original server-side file to show dimensional/specification drawing while avoiding obsolete contact headers. Confirm the final signed drawing before PCB, busbar, mounting-hole or tooling release.

## Clear selection method

Step	How to select
1. Model	Use the model prefix and suffix together; do not select by prefix alone.
2. Drawing	Confirm dimensional drawing before production release.

## RFQ checklist

- Exact target model or competitor part number
- Switching/carry current, voltage, load type and duty cycle
- Coil/control voltage and suppression requirements
- Mounting space, PCB/busbar/cable constraints and operating temperature
- Sample quantity, annual forecast and any drawing/customer specification

## Extracted useful source specifications

## Original source text excerpts

• | High Voltage Reed Relay

• | Low Contact Resistance

• | Breakdown up to 4KV

[Outline Dimension] | Unit: mm | Scale: 1/1

Coil | Parameters | Relay Parameters

1 Nominal coil voltage | 12 VDC | 1 Min Breakdown Voltage | 4K VDC

2 Max Operating voltage | 16 VDC | 2 Dielectric | Strength coil/contact | 4K VDC

3 Max Pull-in voltage | 9 VDC | 3 Insulation Resistance coil/contact 1.00E+13ohm

4 Min Drop-out voltage | 1 VDC | 4 Operate Time,incl.Bounce | 1.0ms

5 Coil Resistance | 300 ohm | 5 Reset Time | 1.0ms

Contact Parameters | 6 Capacitance Across Contacts | 0.5pF

1 Contact Form | 4 Form A | 7 Storage Temperature | -35~+105°C

2 Max Contact Rating | 100 W | 8 Operating | Temperature | -20~+70°C

3 Max Switch Voltage | 1KV ACpeak/DC | 9 Soldering Temperature | 5 sec.max 260°C

4 Max Switch Current | 1.0 A

5 Max Carrying Current | 2.5 A

6 Min Breakdown Voltage | 4K VDC

7 Max Contact Resistance | 120 mohm

Version: 01 | Checked by | High Voltage Reed Relay

Text excerpts are taken from the original source file after removing obsolete contact lines. If a value is unclear in OCR/text extraction, rely on the embedded source drawing and request confirmation.

**Production notice:** This rebuilt datasheet is for RFQ and preliminary selection. For high-voltage, mercury-wetted, EV/ESS/PV, medical, safety-critical or customer-specific applications, final signed MiRelay drawings and validation are required.