PUBLIC PRODUCT DATASHEET

High Voltage Reed Relays

HVFR Reed Relay is part of the High Voltage Reed Relay range from SHR MiRelay. This English public datasheet has been rebuilt under the current SHR AUTOSENSOR TECH LIMITED identity for customer selection, sample purchase and RFQ support.

Product Family High Voltage Reed Relay	**Model** HVFR Reed Relay	**Purchase Path** Sample order or RFQ confirmation
Manufacturer SHR AUTOSENSOR TECH LIMITED	**Website** www.reed-relay.com	**Sales Contact** sales@reed-relay.com
Contact Form 1A: one group of normally open, 2A: two groups of normally open, 3A: three gro	**Contact Rating** Insulation resistance	**Contact Resistance** , long life sealed contacts
Insulation Resistance , up to 1013ÿ	**Operating Temperature** erature	**Storage Temperature** erature

Key Features

- project
- maximum voltage
- 2 Performance parameters
- release voltage
- ■ Customized design, in line with ROHS directive
- ■ External magnetic and electrostatic shielding
- ■ Low contact resistance, long life sealed contacts
- operating voltage

Technical Specifications

Parameter	Value
Contact Form	1A: one group of normally open, 2A: two groups of normally open, 3A: three gro
Contact Rating	Insulation resistance
Contact Resistance	, long life sealed contacts
Insulation Resistance	, up to 1013ÿ
Operating Temperature	erature
Storage Temperature	erature

Specification Notes

HVFR series

High Voltage Reed Relays

High voltage Reed Relay

HVFRÿ-2A

HVFRÿ-1A

1013

(VDC)

■ High load current capability

■ High power reed relay, dielectric strength up to 4000VDC

Rated voltage coil resistance

3 coil parameters

1 Product Features

model

project

maximum voltage

2 Performance parameters

release voltage

■ Customized design, in line with ROHS directive

value

■ External magnetic and electrostatic shielding

■ Low contact resistance, long life sealed contacts

operating voltage

■ High insulation resistance, up to 1013ÿ

unit

(±10%ÿ at 20ÿ)

400

Maximum switching voltage (Max DC/Peak AC)

Maximum switching current (Max DC/Peak AC)

Maximum load current

Between contact and coil

1.0

2.5

Ops

Relay model

See each dimension drawing

1600

Dielectric withstand voltage

HVFRÿ-ÿ

Contact and Shield Housing V

100

120

Contact rating

Insulation resistance

-20ÿ+70

life expectancy

Operating temperature

4000

Contact resistance

6.5

Pull-in time

1000

Dimensions

-35ÿ+105

Storage temperature

release time

between break contacts

0.5

5×107(at 500VDC-100mA)

Vibration (0ÿ2000Hz) Shock

(11ms, 1/2 sine wave)

Ordering & Engineering Support

For production projects, confirm coil voltage, contact form, switching voltage/current, load type, operating environment, target quantity and required approvals before release. Contact sales@reed-relay.com or +86 137 6157 1029 for datasheet confirmation, sample availability and cross-reference support.

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