

PUBLIC PRODUCT DATASHEET

# High voltage Reed Relay Module

**HRM6A10■15 series high voltage Reed Relay Module Sample V2.0** is part of the High Voltage Relay Module 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.

|                                                    |                                                                              |                                                          |
|----------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------|
| <b>Product Family</b><br>High Voltage Relay Module | <b>Model</b><br>HRM6A10■15 series high voltage Reed Relay Module Sample V2.0 | <b>Purchase Path</b><br>Sample order or RFQ confirmation |
| <b>Manufacturer</b><br>SHR AUTOSENSOR TECH LIMITED | <b>Website</b><br>www.reed-relay.com                                         | <b>Sales Contact</b><br>sales@reed-relay.com             |
| <b>Contact Form</b><br>6A: 6 Form A                | <b>Contact Rating</b><br>10                                                  | <b>Max. Carry Current</b><br>5.0                         |
| <b>Contact Resistance</b><br>150                   | <b>Insulation Resistance</b><br>1012                                         | <b>Operate Time</b><br>3.0                               |

## Key Features

- 6 Channel high voltage relay module
- Dielectric strength up to 15 KVDC
- DIN Guide mounting
- LED indicate light
- Professional circuit protection
- Custom Design, conforming to Rohs directive

## Technical Specifications

| Parameter             | Value          |
|-----------------------|----------------|
| Contact Form          | 6A: 6 Form A   |
| Contact Rating        | 10             |
| Max. Carry Current    | 5.0            |
| Contact Resistance    | 150            |
| Insulation Resistance | 1012           |
| Operate Time          | 3.0            |
| Release Time          | 1.5            |
| Operating Temperature | deg C -20-+70  |
| Storage Temperature   | deg C -35-+105 |

## Specification Notes

HRM(6A10/15) Series

High voltage Reed Relay Module

1 Feature

6 Channel high voltage relay module

Dielectric strength up to 15 KVDC

DIN Guide mounting

LED indicate light

Professional circuit protection

Custom Design, conforming to Rohs directive

2 Performance Data

Relay Model / HRM-6A10 HRM-6A15

Contact Rating W 10

Max.Switching Voltage (Max DC/Peak AC) V 7000 10000

Max.Switching Current (Max DC/Peak AC) A 3.5

Max.Carry Current A 5.0

Contact Resistance mΩ 150

Dielectric

Strength

(static)

Between contact VDC 10000 15000

Contact to coil VDC 15000

Insulation Resistance Ω 10<sup>12</sup>

Operate Time ms 3.0

Release Time ms 1.5

Vibration(0-2000Hz) G 20

Shock(11ms, 1/2 sine) G 50

Operating Temp deg C -20-+70

Storage Temp deg C -35-+105

Life Expectancy Ops 5×10<sup>7</sup>(at 500VDC-100mA)

Outline Dimensions / Reference outline drawing

3 Coil Parameters

Model Nominal Voltage

(VDC)

Pickup Voltage

Max.(VDC)

Dropout Voltage

Min.(VDC)

Operate Voltage

Coil Resistance

(±10%Ω at 20 deg C)

HRM-6A

5 4 0.5 6.5 50

12 9 1 15 200

24 18 2 29 600

SHR SHR MiRelay SHR AUTOSENSOR TECH LIMITED RELAY

sales@reed-relay.com

#### 4 Example of order marking

HRM - (XXX)

① ② ③ ④ ⑤

① Product model: HRM

② Nominal coil voltage: 05: 5VDC; 12: 12VDC; 24: 24VDC

③ Contact form: 6A: 6 Form A

④ Breakdown voltage: 10: 10KV; 15: 15KV

⑤ Special code: Customer special requirement

#### 5 Outline drawing

1) V+

) V- (GND)

#### 6 Wiring diagram

#### 7 Precautions for use

■ Avoid installing relays where rain falls, or where there is a strong magnetic field, or near an object with thermal

## 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](mailto:sales@reed-relay.com) or +86 137 6157 1029 for datasheet confirmation, sample availability and cross-reference support.

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