

PUBLIC PRODUCT DATASHEET

High voltage Reed Relay Module

HRM2B-series-high-voltage-Reed-Relay-Module 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.

Product Family High Voltage Relay Module	Model HRM2B-series-high-voltage-Reed-Relay-Module	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 2B: 2 Form B	Contact Rating 10	Max. Carry Current 5.0
Contact Resistance 150	Insulation Resistance 1012	Operate Time 3.0

Key Features

- 2 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	2B: 2 Form B
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(2B) Series
High voltage Reed Relay Module
1 Feature
2 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-2B10 HRM-2B15

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 10¹²

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 5×10⁷(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-2B

5 4 0.5 6.5 50

12 9 1 15 200

24 18 2 29 600

SHR SENSOR & 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: 2B: 2 Form B

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

⑤ Special code: Customer special requirement

5 Outline drawing

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 radiation.

■ Switching inductive or capacitive load systems will produce peak voltage or current, it is recommended to use

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.

Address: Room 311, No. 18 Hangchuan Road, Pudong New District, Shanghai, China

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