

PUBLIC PRODUCT DATASHEET

MRS06 Series

MRS06 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 MRS06	Purchase Path Sample order or RFQ confirmation
Manufacturer SHR AUTOSENSOR TECH LIMITED	Website www.reed-relay.com	Sales Contact sales@reed-relay.com
Contact Resistance (@0.5V&50mA) mΩ 200 150 200 150	Insulation Resistance , up to 109Ω	Release Time 0.1 0.1 0.1 1.5
Operating Temperature erature deg C -40-+130 -40-+130 -40-+130 -40-+130	Storage Temperature erature deg C -50-+130 -50-+130 -50-+130 -50-+130	High Insulation resistance, up to 109Ω

Key Features

- Small single-contact switch
- Single Inline package
- High Insulation resistance, up to 109Ω
- Suitable for low power operation
- Custom Design, conforming to Rohs directive

Technical Specifications

Parameter	Value
Contact Resistance	(@0.5V&50mA) mΩ 200 150 200 150
Insulation Resistance	, up to 109Ω
Release Time	0.1 0.1 0.1 1.5
Operating Temperature	erature deg C -40-+130 -40-+130 -40-+130 -40-+130
Storage Temperature	erature deg C -50-+130 -50-+130 -50-+130 -50-+130
High Insulation resistance, up to	109Ω
Switching Voltage(Max DC/Peak AC) V 170 20	175
Switching Current(Max DC/Peak AC) A 0.5 0.	0.5
Carry current(max.) A 0.5 0.5 1.25	1.0
Contact Resistance(@0.5V&50mA) mΩ 200 150	150
Breakdown Voltage VDC 210 230 250	200
Insulation Resistance(Rh<45%,100V Test Vol	109

Specification Notes

MRS06 Series

PCB Mounting Reed Switch

1 Feature

Small single-contact switch

Single Inline package

High Insulation resistance, up to 109Ω

Suitable for low power operation

Custom Design, conforming to Rohs directive

2 Performance Data

Model / MRS06-4-

MRS06-5-

MRS06-6-

MRS06-7-

MRS06-8-

MRS06-10-

NO SPDT

Rated Power(max.) W 10 10 10 10

Switching Voltage(Max DC/Peak AC) V 170 200 180 175

Switching Current(Max DC/Peak AC) A 0.5 0.4 0.5 0.5

Carry current(max.) A 0.5 0.5 1.25 1.0

Contact Resistance(@0.5V&50mA) mΩ 200 150 200 150

Breakdown Voltage VDC 210 230 250 200

Insulation Resistance(Rh<45%,100V Test Voltage) Ω 109 109 1010 109

Operating Time(max.) ms 0.6 0.6 0.6 0.7

Release Time(max.) ms 0.1 0.1 0.1 1.5

Capacitance(typ.) pF 0.4 0.2 0.3 1.5

Vibration Resistance G 20 20 20 20

Shock Resistance(1/2 sine wave duration 11ms) G 30 30 30 30

Operating Temperature deg C -40-+130 -40-+130 -40-+130 -40-+130

Storage Temperature deg C -50-+130 -50-+130 -50-+130 -50-+130

3 Example of order marking

MRS06 - - (XXX)

① ② ③ ④

① Product model: MRS06

② Size classification: 4; 5; 6; 7; 8; 10

③ Magnetic sensitivity(AT): NO: [A: 05-10; B: 10-15; C: 15-20 ; D: 20-25; E: 25-30; F: 30-35; G: 35-40]

SPDT: [H: 15-20; I: 20-25; K: 25-30]

④ Special code: Customer special requirement

SHR SENSOR & RELAY

sales@reed-relay.com

4 Outline drawing

ize(mm)

Model

L W H D h1 I1

(SPDT)

MRS06-4- 11.4 2.7 5.7 0.3 2.8 10.16 /

MRS06-5- 14.4 2.8 6.1 0.4 3.2 12.7 /

MRS06-6- 17 3 6.1 0.4 3.2 15.24 /

MRS06-7- 20 3.3 7.1 0.5 4.2 17.78 /

MRS06-8- 22.3 3.5 7.1 0.5 4.2 20.32 17.78

MRS06-10- 28.5 3.81 8.26 0.5 5.3 25.4 /

5 Layout

6 Precautions for use

- Avoid installation in areas directly exposed to rain, strong magnetic fields, or near objects with thermal radiation.
- Avoid excessive bulk density in use, which may affect the electrical characteristics of the switch.
- Excessive mechanical shock strength may change its magnetic sensitivity or even damage the switch.
- Use appropriate pin tightening or heat dissipation to prevent mechanical or thermal stress during welding.
- The maximum welding temperature is 260 deg C and the time is less than 5 seconds.

Statement:

he document is for customer reference only.Specifications and parameters may be changed due to product improvem-

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

Document rebuilt: 2026-05-05 | Source filename: MRS06.pdf