PUBLIC PRODUCT DATASHEET

High voltage DC contactor

EVI-100 is part of the High Voltage DC Contactor 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 DC Contactor	**Model** EVI-100	**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 1 Form A (SPST-NO)	**Contact Resistance** 0.4	**Insulation Resistance** @ 1000VDC, Min. Ω 109
Operate Time 50	**Release Time** 30	**High voltage DC** contactor

Key Features

- Hermetically sealed with ceramic technology
- Allow for bi-directional load
- Breaking capacity at 1500VDC
- Dual coil design with hold power 5.0W
- Equipped with auxiliary contact
- Comply with DC-1 utilization category in IEC60947-4-1
- Typical applications
- Battery energy storage systems, Photovoltaic inverters, Megawatt EV DC charger

Technical Specifications

Parameter	Value
Contact Form	1 Form A (SPST-NO)
Contact Resistance	0.4
Insulation Resistance	@ 1000VDC, Min. Ω 109
Operate Time	50
Release Time	30
High voltage DC	contactor
Max.Breaking Voltage VDC	1500
Rated Switching Current V 250 350	600
Temporary overcurrent (10 min) A 400 500	800
Temporary overcurrent (1 min) A 550 650	1000
Contact Resistance mΩ	0.4
Initial Insulation Resistance @ 1000VDC, M	109

Specification Notes

EVP Series

High voltage DC contactor

Feature

Hermetically sealed with ceramic technology

Allow for bi-directional load

Breaking capacity at 1500VDC

Dual coil design with hold power 5.0W

Equipped with auxiliary contact

Comply with DC-1 utilization category in IEC60947-4-1

Typical applications

Battery energy storage systems, Photovoltaic inverters, Megawatt EV DC charger

Performance Data

Model / EVP-250 EVP-350 EVP-600

Max.Breaking Voltage VDC 1500

Max. Breaking Capacity / 1000VDC, 2000A, 1 cycle

Rated Switching Current V 250 350 600

Temporary overcurrent (10 min) A 400 500 800

Temporary overcurrent (1 min) A 550 650 1000

Contact Resistance mΩ 0.4

Electrical

Endurance

100A,1500VDC, make/break, resistive Ops 6000

200A,1500VDC, break only, resistive Ops 2000

350A,1000VDC, break only, resistive Ops 1000

Dielectric

Strength

(static)

Between open main contacts VAC 4400

Between main contact and coil VAC 4400

Between main contacts and aux contacts VAC 4400

Between open aux contacts VAC 800

Initial Insulation Resistance @ 1000VDC, Min. Ω 109

Operate time max. (at 23 deg C) ms 50

Release time, max. (at 23 deg C) ms 30

Vibration Resistance(functional) G Sine, 10-2000Hz, 5G

Shock Resistance(functional) G 11ms 1/2 Sine, Peak 20G

Ambient temperature deg C -40-+85

Auxiliary

contact

Contact Form / 1 Form A (SPST-NO)

Contact current, Max. A 3A, 24VDC

Contact current, Min. A 10mA, 24VDC

SHR SENSOR & RELAY

sales@reed-relay.com

Coil Parameters

Model Nominal Voltage

(VDC)

Pickup Voltage

Max.(VDC)

Dropout Voltage

Min.(VDC)

Operate Voltage

Coil power

(W)

EVP-250

EVP-350

EVP-600

12 9 1.2 16

Start: 50W

Hold: 5W

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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