

EVI-150

High Voltage DC Contactor

PRODUCT VISUAL

SOURCE IMAGE NOT AVAILABLE

source image

KEY RATINGS

RATED COIL VOLTAGE (US)
12V DC / 24V DCOPERATING VOLTAGE RANGE
±20%UsMAX PULL-IN VOLTAGE
9VmaxMIN DROP-OUT VOLTAGE
(4~7)VCONTACT FORM
1 Form A (SPST-NO)RATED LOAD CURRENT
150 A

OVERVIEW

- Special epoxy sealing technology, no arc leakage risk, IP68 protection
- Inert gas potting effectively prevents contact oxidation and erosion
- Insulation resistance up to 1000 MΩ (1000VDC), compliant with IEC60664-1
- Compact structure, low operating noise
- 150A continuous carrying capability at 85°C

COIL DATA

Rated Coil Voltage (Us)	12V DC / 24V DC
Operating Voltage Range	±20%Us
Max Pull-in Voltage	9Vmax
Min Drop-out Voltage	(4~7)V
Coil Power	On 26W, Hold 3W

CONTACT RATINGS

Contact Form	1 Form A (SPST-NO)
Rated Load Current	150 A
Mechanical Life	3×10 ⁵ Ops
Max Switching Voltage	1000 VDC
Max Breaking Current	1500A(320V DC) 1 □
Short-time Withstand Current	200A: 10min; 300A: 1min; 1000A: 1s
Contact Resistance	≤1 mΩ @20A
Electrical Life	

ELECTRICAL CHARACTERISTICS

Operate Time (rated voltage)	≤25 ms
Release Time (rated voltage)	≤10 ms
Insulation Resistance	1000 (1000VDC)

ENVIRONMENTAL / OPTIONS

Shock	
Vibration	10Hz~500Hz 49 m/s ²
Operating Temperature	-40~+85°C
Operating Humidity	5%~85%RH
Load Terminal	internal thread/external thread
Weight	395 g

MECHANICAL OUTLINE / DIMENSIONS

Outline image recorded in source PDF

CIRCUIT / MARKING / TERMINAL VIEW

Connection figure not available

ORDERING & SOURCE TRACEABILITY

EVI-150A/1000-A-F5(XXX) — High Voltage DC Contactor

Source: EVI() V2.0.pdf

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