

EVI-50

High Voltage DC Contactor

PRODUCT VISUAL

SOURCE IMAGE NOT AVAILABLE

source image

KEY RATINGS

RATED COIL VOLTAGE (US)
12V DC / 24V DC / 48V DC

OPERATING VOLTAGE RANGE
±20%Us

MAX PULL-IN VOLTAGE
9Vmax / 18Vmax / 36Vmax

MIN DROP-OUT VOLTAGE
(1~4.5)V / (2~9)V / (4~18)V

CONTACT FORM
1 Form A (SPST-NO)

RATED LOAD CURRENT
50 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
- 50A continuous carrying capability at 85°C

COIL DATA

Rated Coil Voltage (Us)	12V DC / 24V DC / 48V DC
Operating Voltage Range	±20%Us
Max Pull-in Voltage	9Vmax / 18Vmax / 36Vmax
Min Drop-out Voltage	(1~4.5)V / (2~9)V / (4~18)V
Coil Power	5.8W

CONTACT RATINGS

Contact Form	1 Form A (SPST-NO)
Rated Load Current	50 A
Mechanical Life	3×10 ⁵ Ops
Max Switching Voltage	1000 VDC
Max Breaking Current	500A(320V DC) 1 □
Short-time Withstand Current	80A: 10min; 120A: 1min; 500A: 1s
Contact Resistance	≤1 mΩ @20A
Electrical Life	

ELECTRICAL CHARACTERISTICS

Operate Time (rated voltage)	≤30 ms
Release Time (rated voltage)	≤10 ms
Insulation Resistance	1000 (1000VDC)

ENVIRONMENTAL / OPTIONS

Shock	
Vibration	10Hz~500Hz 49 m/s²
Operating Temperature	-40~+85°C
Operating Humidity	5%~85%RH
Load Terminal	internal thread/external thread
Weight	190 g

MECHANICAL OUTLINE / DIMENSIONS

Outline image recorded in source PDF

CIRCUIT / MARKING / TERMINAL VIEW

Connection figure not available

ORDERING & SOURCE TRACEABILITY

EVI-50A/1000-12-4(XXX) — High Voltage DC Contactor

Source: EVI(高电压直流接触器) V2.0.pdf

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