

EVI-30

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

 $\pm 20\%U_s$

MAX PULL-IN VOLTAGE

9V_{max} / 18V_{max} / 36V_{max}

MIN DROP-OUT VOLTAGE

(1~4.5)V / (2~9)V /
(4~18)V

CONTACT FORM

1 Form A (SPST-NO)

RATED LOAD CURRENT

30 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 M Ω (1000VDC), compliant with IEC60664-1
- Compact structure, low operating noise
- 30A continuous carrying capability at 85°C

COIL DATA

Rated Coil Voltage (Us)	12V DC / 24V DC / 48V DC
Operating Voltage Range	$\pm 20\%U_s$
Max Pull-in Voltage	9V _{max} / 18V _{max} / 36V _{max}
Min Drop-out Voltage	(1~4.5)V / (2~9)V / (4~18)V
Coil Power	3.8W

CONTACT RATINGS

Contact Form	1 Form A (SPST-NO)
Rated Load Current	30 A
Mechanical Life	3×10^5 Ops
Max Switching Voltage	1000
Max Breaking Current	300A(320V DC) 1 □
Short-time Withstand Current	60A: 60min; 80A: 20min; 160A: 30s; 300A: 0.6s
Contact Resistance	≤ 1 m Ω @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/s ²
Operating Temperature	-40~+85°C
Operating Humidity	5%~85%RH
Load Terminal	internal thread/external thread
Weight	125 g

MECHANICAL OUTLINE / DIMENSIONS

Outline image recorded in source PDF

CIRCUIT / MARKING / TERMINAL VIEW

Connection figure not available

ORDERING & SOURCE TRACEABILITY

EVI-30A/1000-12-4(XXX) — High Voltage DC Contactor

Source: EVI() V2.0.pdf

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