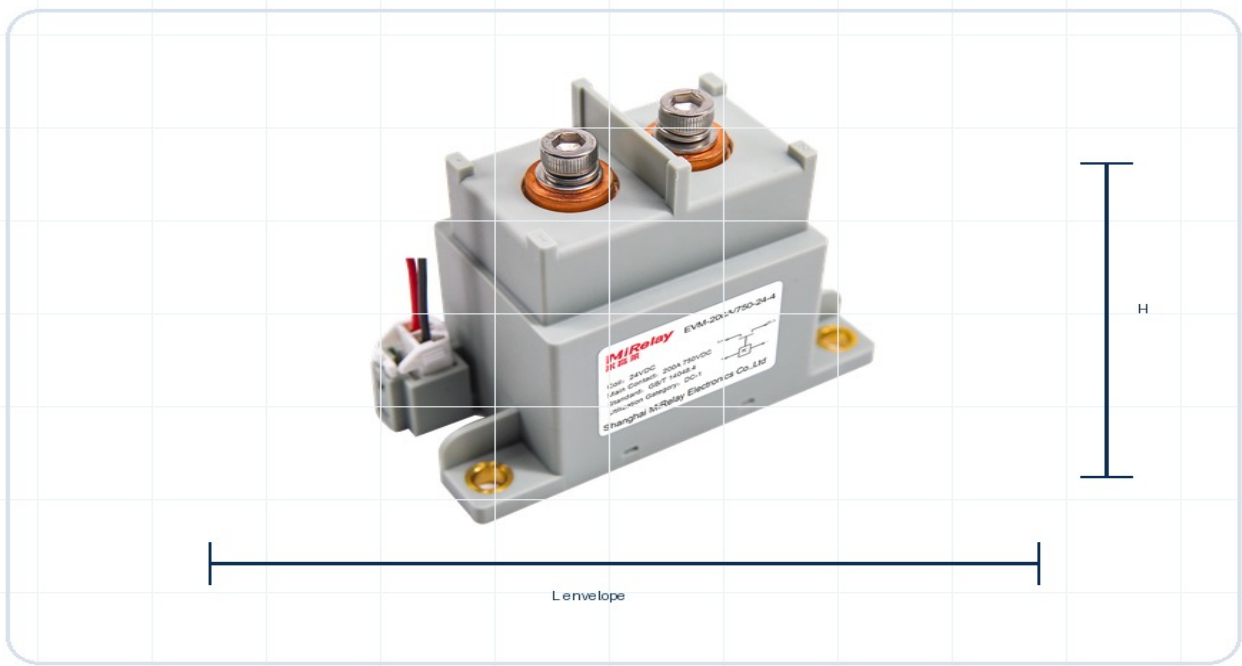


# Selection Catalog: High Voltage DC Contactors

Selection catalog and model-code guide for EVI epoxy sealed and EVM ceramic sealed DC contactors.



Reference basis: MiRelay internal product samples, local specification files, product images and public-format review of comparable supplier catalogs such as Pickering, Standex/Meder, Coto, Toward and Littelfuse. Content is rewritten into MiRelay style; exact production ratings and drawings are confirmed by RFQ.

## Selection overview

Selection item	What to check
Continuous current	Choose 30 A to 400 A class by thermal rise and conductor design
Voltage system	1000 V / 1500 V DC system selection depends on application and breaking duty
Sealing	Epoxy EVI for compact applications; ceramic EVM for higher duty / harsh DC bus use
Coil/control	12 V / 24 V / 48 V options and economizer/dual-coil behavior by model
Use cases	EV main contactor, precharge, ESS, PV inverter, charger, industrial DC bus

## Representative models

Model / series	Selection role
EVI-30A	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
EVI-100A	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
EVI-250A	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.

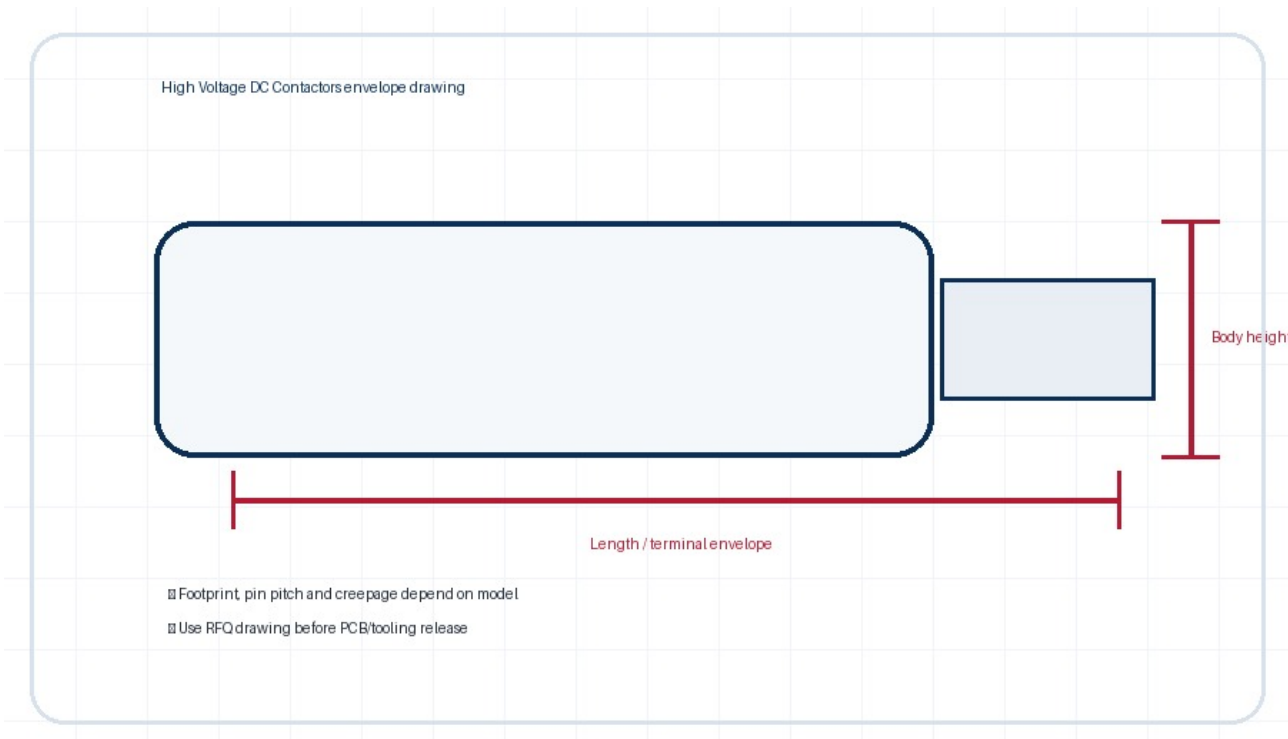
EVI-300A	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
EVM-40A	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
EVM-200A	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.
EVM-400A	Representative model / family member for comparison and RFQ discussion. Confirm exact voltage, contact form, package and drawing before ordering.

# Ordering code interpretation

Example code: **EVM - 200A - 12/24V**

Code block	Meaning
EVM	Ceramic sealed high-voltage DC contactor family
200A	Nominal current class
12/24V	Coil/control voltage option
Aux / terminal	Auxiliary contact, polarity and busbar terminals confirmed by drawing

## Dimension and drawing guidance



Busbar terminal spacing, mounting hole pattern and arc chamber height must be confirmed from the exact drawing.

## Application fit

EV battery disconnect Energy storage system protection PV inverter DC side Megawatt charger switching

## RFQ checklist

Send: target model or competitor cross-reference, switching/carry current, voltage, load type, coil/control voltage, contact form/output, mounting limits, environment, sample quantity and annual forecast. Attach PCB/mechanical drawings where available.

## Compliance note

For safety-critical, medical, EV, PV or mercury-wetted applications, this guide is not a final approval document. Use the final signed datasheet, drawing and customer validation plan for production release.