

# TE Connectivity's KILOVAC Contactors



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Driving the electrification of vehicles!



## Introduction

TE Connectivity's (TE) KILOVAC DC contactors deliver the switching performance demanded by Electric Vehicle applications. These lightweight contactors offer continuous current ratings up to 1000A at 1000VDC in very compact packages. Their hermetically sealed designs ensure high levels of performance and rugged reliability.

Standard KILOVAC and customized individual contactors are available, as well as custom designed main power and high voltage distribution assemblies, designed and qualified to customer requirements. In addition to our contactors and panels, TE also offers a standard line of 100A and 500A remote power controllers for use in 12 to 600VDC applications.

## Key features

### Hermetically sealed

- Designed for application in harsh and explosive environments
- Reduced contact oxidation over periods of non-use

### Space and weight savings

- Choose from a full range of compact, lightweight DC contactors

### High performance

- Operating temperature ranges from -40°C to +125°C
- Continuous current ratings up to 1000A at 1000VDC

### Versatile

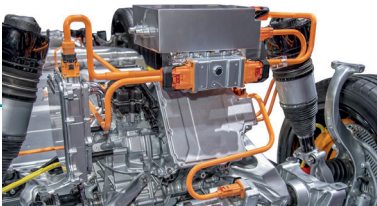
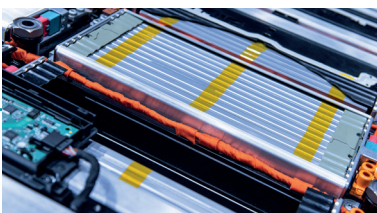
- Bidirectional switching
- Not position sensitive; mount in a variety of orientations
- Standard and customized contactors available



## KILOVAC DC Contactors



AUTHORIZED DISTRIBUTOR



## Applications

### Electric Vehicle Types

- Agricultural equipment
- Automated guided vehicles
- Boats & ferries
- Buses & mini-buses
- Construction machines
- Forklifts
- Lift platforms
- Material handling equipment
- Mining equipment
- Trucks

### Charging Equipment

- Fast charging stations
  - DC public use
- Charging posts
  - AC public use

### Vehicle sub-systems

- Power distribution units
- DC/DC converters
- Battery packs
- Inverters

# KILOVAC – High Voltage – DC Contactors



## EV100



- **Contact Rating**  
100 amps
- **Max. Contact Voltage**  
12-600VDC
- **Auxiliary Contacts**  
None
- **Coil Volt. Options**  
9-36VDC
- **Coil Economizer**  
PWM
- **Sealing**  
Hermetic
- **Primary Contact Configuration**  
SPST-NO

## LEV100



- **Contact Rating**  
100 amps
- **Max. Contact Voltage**  
12-900VDC
- **Auxiliary Contacts**  
Optional
- **Coil Volt. Options**  
12, 24 & 48VDC
- **Coil Economizer**  
No
- **Sealing**  
Hermetic
- **Primary Contact Configuration**  
SPST-NO

## KCS01X



- **Contact Rating**  
100 amps
- **Max. Contact Voltage**  
12-600VDC
- **Auxiliary Contacts**  
None
- **Coil Volt. Options**  
12 & 24/28VDC
- **Coil Economizer**  
Two-coil Electronic
- **Sealing**  
Hermetic
- **Primary Contact Configuration**  
SPST-NO Current Sense & Trip

## K250



- **Contact Rating**  
250 amps
- **Max. Contact Voltage**  
12-1000VDC
- **Auxiliary Contacts**  
SPDT
- **Coil Volt. Options**  
12-36VDC
- **Coil Economizer**  
PWM
- **Sealing**  
Hermetic
- **Primary Contact Configuration**  
SPST-NO (form X)

## EV200 & EV200 PCB MOUNT



- **Contact Rating**  
500 amps
- **Max. Contact Voltage**  
12-900VDC
- **Auxiliary Contacts**  
Optional
- **Coil Volt. Options**  
9-36VDC
- **Coil Economizer**  
PWM or Mechanical
- **Sealing**  
Hermetic
- **Primary Contact Configuration**  
SPST-NO; SPST-NC; Latching

## LEV200



- **Contact Rating**  
500 amps
- **Max. Contact Voltage**  
12-900VDC
- **Auxiliary Contacts**  
Optional
- **Coil Volt. Options**  
Various AC & DC
- **Coil Economizer**  
No
- **Sealing**  
Hermetic
- **Primary Contact Configuration**  
SPST-NO

## KCS03X



- **Contact Rating**  
500 amps
- **Max. Contact Voltage**  
12-900VDC
- **Auxiliary Contacts**  
Optional
- **Coil Volt. Options**  
12 & 24/28VDC
- **Coil Economizer**  
Two-coil Electronic
- **Sealing**  
Hermetic
- **Primary Contact Configuration**  
SPST-NO Current Sense & Trip

## EV600



- **Contact Rating**  
600 amps
- **Max. Contact Voltage**  
28-1500 VDC
- **Auxiliary Contacts**  
Yes
- **Coil Volt. Options**  
12 & 24/28VDC
- **Coil Economizer**  
Two-coil Electronic
- **Sealing**  
Hermeti
- **Primary Contact Configuration**  
SPST-NO

## K1K



- **Contact Rating**  
1.000 amps
- **Max. Contact Voltage**  
12-1,000VDC
- **Auxiliary Contacts**  
Optional
- **Coil Volt. Options**  
12 & 24/28VDC
- **Coil Economizer**  
Two-coil Electronic
- **Sealing**  
Hermetic
- **Primary Contact Configuration**  
SPST-NO