

INTRODUCING HIGH VOLTAGE CONTACTORS ECK

- Hermetically sealed with ceramic technology
- Switching voltage up to 1000VDC



TE Connectivity (TE) introduces the ECK150/200/250 high-voltage DC contactor series which is designed for control in new energy applications. The ECK product line is an innovative and reliable solution for EV charging stations, solar inverters, battery energy storage systems, automated-guided vehicles (AGV) and e-Forklifts, The ECK series is hermetically sealed with ceramic sealing technology making it safe and reliable. These contactors can be used in 1000VDC system applications.

APPLICATIONS

- EV charging
- Photovoltaic inverters
- Battery energy storage system
- Auto-guided vehicle
- E-forklift

ELECTRICAL

- Rated switch current: 150A, 200A, 250A
- Max switch voltage: 1000VDC
- Typical rating (details see datasheet for each versions):

ECK150:

- 150A, 450VDC, 6000 cycles
- 150A, 1000VDC, 1000 cycles

ECK200:

- 200A, 450VDC, 6000 cycles
- 200A, 1000VDC, 1000 cycles

ECK250:

- 300A, 1000VDC, continuous carry
- 250A, 450VDC, 6000 cycles
- 250A, 800VDC, 1000 cycles
- 200A, 1000VDC, 1000 cycles
- 250A, 1000VDC, 400 cycles

LEARN MORE

- [High voltage contactors product page](#)
- [High voltage contactors product flyer](#)
- [High voltage contactors parts list](#)

BENEFITS

- High reliability in the sealing
- High performance in electrical endurance
- Low coil power consumption
- Small size for space saving
- Smart monitoring for main contact status
- Global approvals for customer projects

FEATURE

- Hermetically sealed with ceramic technology with hydrogen filled
- Switching voltage up to 1000VDC
- Built-in PWM economizer with hold power 1.7W
- Optional auxiliary contact
- Ambient temperature: -40°C-85 °C
- Comply with DC-1 utilization category

MECHANICAL

- Bottom mounted by flanged cover
- Lead wire length customize option available
- Size: 80.4mm × 52.8mm × 73mm

STANDARDS

- UL (UL60947-4-1)
- CCC (GB/T 14048.4)
- CE (IEC60947-4-1)