



HIGH VOLTAGE CONTACTORS ECK150/200/250 SERIES

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.

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

High Voltage Contactors ECK150/200/250 Series

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

MECHANICAL

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

APPROVALS

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

PARTNUMBER LIST

Product Code	Contact Form	Mounting Position	Coil	Coil Control Mode	Part Number
ECK150AAAPA	Normally open	Bottom	9-36VDC	Built-in PWM economizer	2071567-2
ECK150HAAPA	Normally open + N.O. aux contact	Bottom	9-36VDC	Built-in PWM economizer	2071567-1
ECK200AAAPA	Normally open	Bottom	9-36VDC	Built-in PWM economizer	1-2071567-2
ECK200HAAPA	Normally open + N.O. aux contact	Bottom	9-36VDC	Built-in PWM economizer	1-2071567-1
ECK250AAAPA	Normally open	Bottom	9-36VDC	Built-in PWM economizer	2-2071567-2
ECK250HAAPA	Normally open + N.O. aux contact	Bottom	9-36VDC	Built-in PWM economizer	2-2071567-1

te.com

© 2022 TE Connectivity. All Rights Reserved.

TE Connectivity, TE connectivity (logo) and Every Connection Counts are trademarks owned or licensed by TE Connectivity. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

07/22 AK