



HIGH VOLTAGE CONTACTORS ECP 150B / 250B / 350B SERIES UP TO 500 AMP

TE Connectivity (TE) introduces the ECP150B / 250B / 350B series high-voltage DC contactor which is designed for control in high voltage environment in battery energy storage system, solar inverter and EV charging applications. It can be used in the 1500VDC voltage system and allow for bi-directional load. Hermetically sealed with ceramic sealing technology makes it safe and reliable.

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
- Multiple approvals with UL, TUV, CE certification for customer projects

FEATURE

- Hermetically sealed with ceramic technology with hydrogen filled
- Continuous carry current up to 500Amp
- Switching voltage up to 1500VDC
- Allow for bi-directional load
- Dual coil design with hold power 5.0W
- Equipped with auxiliary contact
- Comply with DC-1 utilization category
- Multiple approvals with UL, TUV, CE certification

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APPLICATIONS

- Battery energy storage system
- Photovoltaic inverters
- EV Charging

ELECTRICAL

- Rated switch current: 150A, 250A, 350A
- Max switch voltage: 1500VDC
- Typical rating (details see datasheet by type):
- ECP150B
 - 100A, 1500VDC, 6000 cycles
 - 150A, 1500VDC, 2500 cycles
 - 350A, 1000VDC, 800 cycles
- ECP250B
 - 100A, 1500VDC, 6000 cycles
 - 250A, 1500VDC, 1000 cycles
 - 350A, 1000VDC, 1000 cycles

- ECP350B
 - 100A, 1500VDC, 6000 cycles
 - 250A, 1500VDC, 1100 cycles
 - 300A, 1500VDC, 500 cycles
 - 350A, 1000VDC, 1200 cycles

MECHANICAL

- Bottom mounted by flanged cover
- Lead wire length customize option available
- Size: 104mm × 75mm × 108mm

APPROVALS

- UL (UL60947-4-1)
- CE (IEC60947-4-1)
- TUV (IEC60947-4-1)

PARTNUMBER LIST

Product Code	Contact Form	Mounting Position	Coil	Coil Control Mode	Part Number
ECP150BHAADA	Normally open + N.O. aux contact	Bottom	12VDC	Dual coil	2071568-1
ECP150BHBADA			24VDC		2071568-2
ECP250BHAADA			12VDC		1-2071568-1
ECP250BHBADA			24VDC		1-2071568-2
ECP350BHAADA			12VDC		2-2071568-1
ECP350BHBADA			24VDC		2-2071568-2

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