

Intuitive. Single Throw. Two Stage Latch.

AMP+ Service Disconnect SD 125

TE Connectivity's (TE) AMP+ Service Disconnect (SD) 125 provides a safe, simple, and small solution to manually disconnect the high voltage battery system in hybrid electric vehicles. The TE AMP+ SD 125 protects service providers by disconnecting the battery pack and protects the battery pack cables from short circuiting.

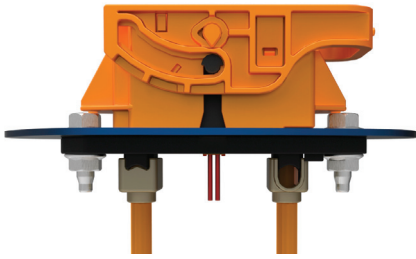
With one pull, the two stage latch opens the HVIL circuit. The protective caps over the terminal mating areas keep both fingers and wiring safe.

This simple tool-free solution has a scalable design with right angle cable terminals on both sides for flexibility in wiring harness routing. The TE AMP+ SD 125 has no electrical bolt down connections, eliminating over and under torque of electrical connections.

The TE AMP+ SD 125's small, low profile package size with integrated fuse allows more space for energy storage and uses less space for the HV connections creating smaller, lighter, and more efficient battery packs for hybrid electric vehicles.



AMP+ Service Disconnect SD 125



KEY FEATURES

- Ultra low profile receptacle design
- Minimal HV connection depth saving battery pack space
- 3 directional, straight or right angle, HV wire attachment options with protective caps
- Single throw actuation of two stage latch
- No tool required to unmate
- Option to mate header from inside out or outside in
- Integrated internal HVIL
- Integrated fuse rated 125A
- RoHS compliant
- Up to 50 mating cycles
- Finger proof, touch safe
- Non-sealed and sealed versions available

TE Technical Support Center

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APPLICATIONS

- HV battery pack

MECHANICAL

- Latching style: Finger actuated - 2 stage lever assist
- Mating cycles: Tested to 50
- Stud: M6
- IP rating: (Unsealed version): IP5k2
(Sealed version): IP6k9k
- HVIL: 2x integrated, internal

ELECTRICAL

- Fuse rating: Up to 125A
- Voltage rating: 450 VDC
- Temperature range: -40 °C to 85 °C

STANDARDS AND SPECIFICATIONS

- RoHS
- VO rated material

PRODUCT OFFERING

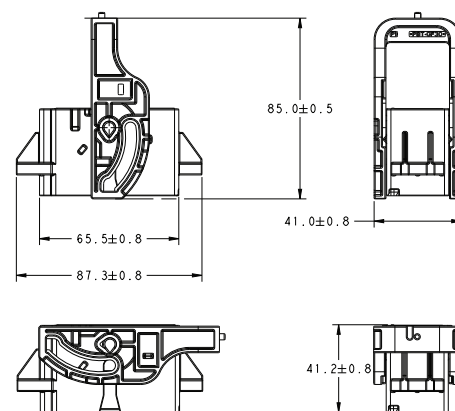
- 2103326-1 Non-sealed plug with 125 AMP fuse
- 2103325-1 Non-sealed receptacle

TERMINAL KIT COMPONENTS

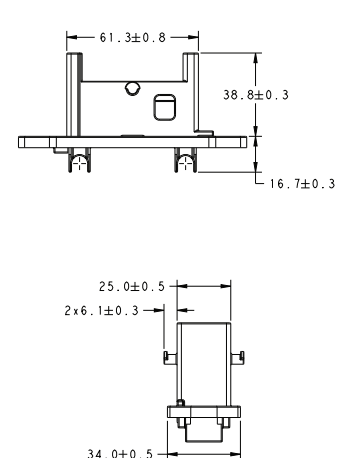
- 1-2112223-3 Contact, MCON9.5x1.2 (Qty 2)
- 2103329-1 HV Protection Caps (Qty 2)
- 928999-6 MQS, Socket Contact for HVIL (Qty 2)
- 1-1534113-1 MQS, Receptacle Housing 2P for HVIL (Qty 1)
- 1534112-1 MQS, Retainer Receptacle Housing for HVIL (Qty1)

PRODUCT DIMENSIONS

Plugs



Receptacle



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