



## Introducing AMP+ Manual Service Disconnect

Safe, reliable solutions are required to protect service technicians and emergency response teams when working with the high voltages required in electric vehicles. TE Connectivity's AMP+ Manual Service Disconnect utilizes a two-stage lever to open the HVIL circuit prior to separation of HV contacts. This tool-free solution for disconnecting the internal HV battery pack and protecting the battery pack HV cables from short circuiting is available in a scalable design with a variety of fuse ratings. All HV conducting surfaces on receptacle assembly are finger proof touch safe.

## AMP+ Manual Service Disconnect



### KEY FEATURES

- Finger actuated - 2 stage lever assist latching
- No tool required to unmate
- 2x integrated internal HVIL
- Scalable design
- Current rating determined by fuse selection
- Fuse rating up to 630A
- USCAR-2, USCAR-37, IEC 60529, RoHS compliant
- Tested to 50 mating cycles
- Sealed

### TE Technical Support Center

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

te.com

© 2011 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All Rights Reserved. 8-1773462-2 GAD TB 4M 10/2011

TE Connectivity, TE connectivity (logo), AMP+ and USCAR are trademarks. Other logos, product and/or company names might be trademarks of their respective owners.

### APPLICATIONS

- HV battery pack-to-pack

### MECHANICAL

- Latching style: Finger actuated - 2 stage lever assist
- Mating cycles: Tested to 50
- Stud: M6
- IP rating: Mated: IPx7, IP6k9k  
Unmated: IP2xb
- HVIL: 2x integrated, internal

### ELECTRICAL

- Fuse rating: Up to 630A
- Voltage rating: 450 VDC
- Operating Temperature: -40°C to 65°C
- Storage Temperature: -40°C to 85°C
- Current rating: Based on fuse selection

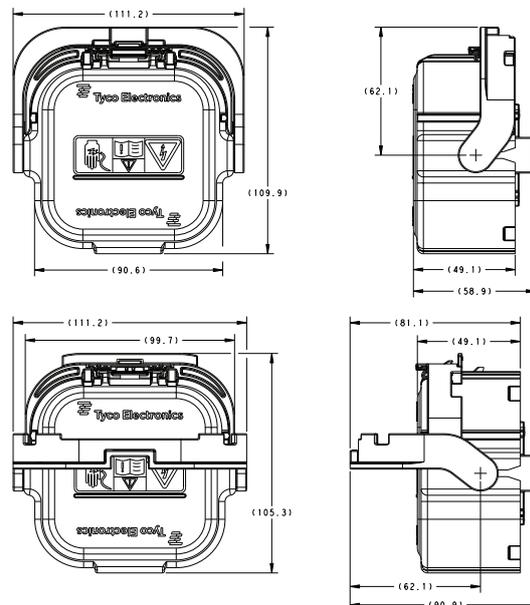
### STANDARDS AND SPECIFICATIONS

- USCAR-2
- USCAR-37
- IEC 60529
- RoHS

### PRODUCT OFFERING

- Receptacle Assembly Part Number: x-1587987-x\*
- Plug Assembly Part Number: x-2103172-x\*  
(\*Different fuse sizes available)

### PRODUCT DIMENSIONS



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.