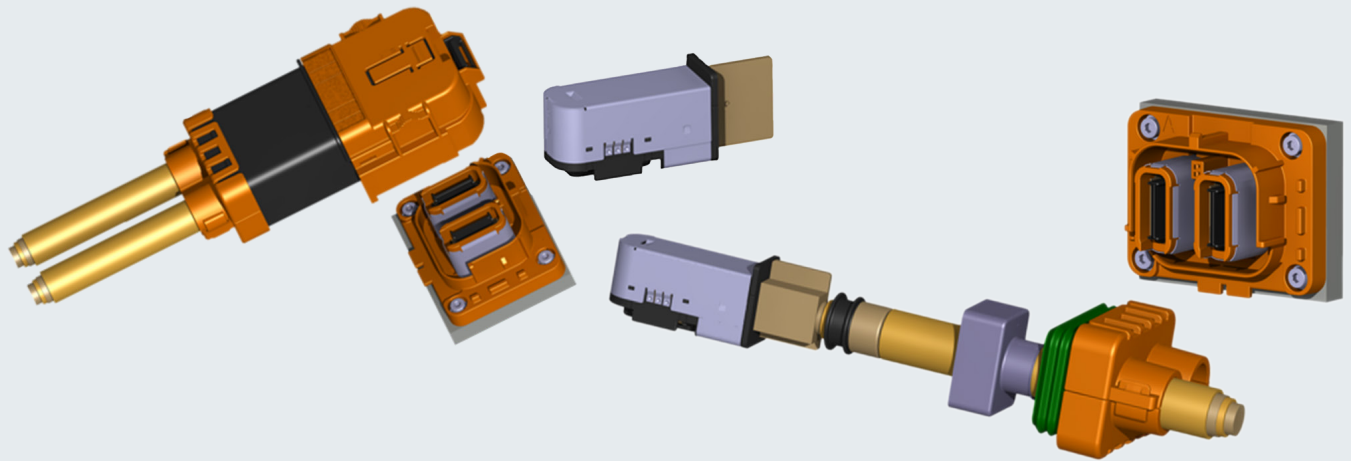
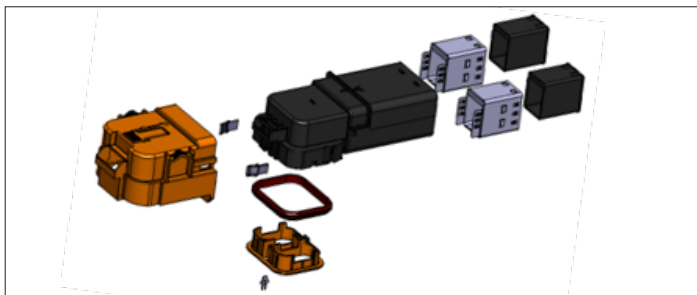


High power lock box



2P HPLB LP8 SEALED HV Connector system



Benefits & features

- Patented terminal contact system
- Industry leading power density - enables smaller connector packaging and reduces weight
- Ultra efficiency – negligible resistance loss as compared to bolted contacts
- Internal shielding with Ag plating
- Validated to USCAR-2 T4 / V4 / S3
- Inner components UL 94 V-0, outer components UL HB
- 5x standard requirements
 - Terminal to housing retention: >500N
 - CPA misc. Engage force: >500N
 - Connector pull-off force: >500N
- High voltage interlock circuit
- Compact ergonomic design
- Push, click, pull, scan mating process
- USCAR & ISO finger proofed design
- Visual ID for confirmed full lock
- Scanning QR code for required applications



Max temperature
150°C



Max vibration
31 G



Max current
630 A

Technical characteristics

Contact resistance	0.22 mΩ
Contact mating force	USCAR-25 compliant
Contact un-mating force	USCAR-25 compliant
Mating cycles	30 (Sn) / 50 (Ag)

Terminal capabilities

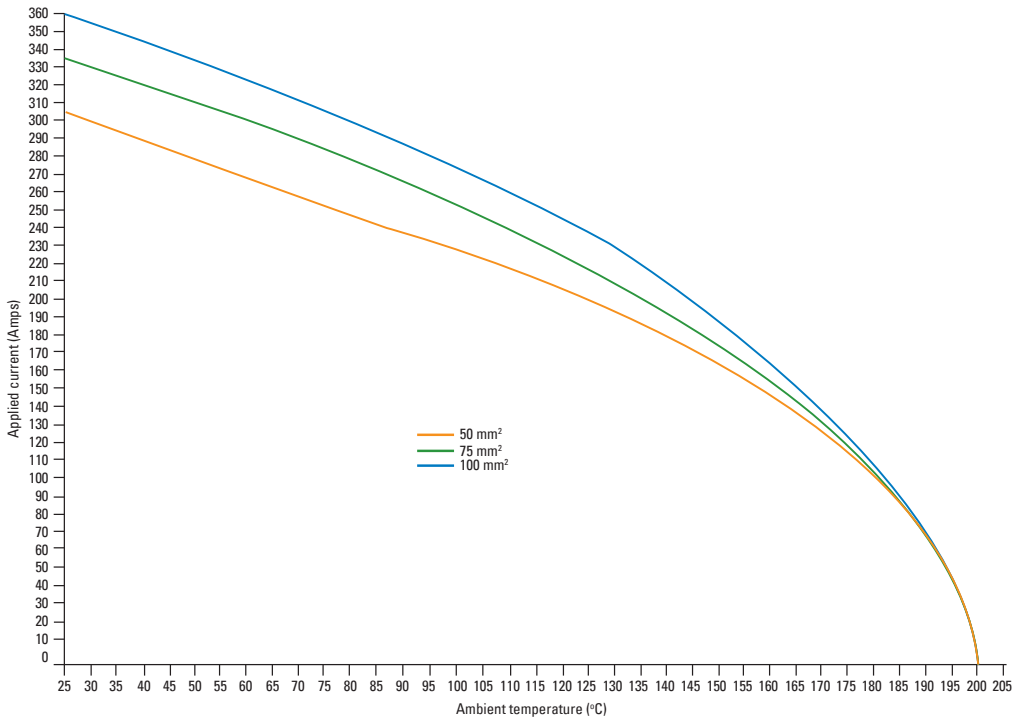
Terminal construction	Six-piece
Wire gage range (AWG)	1/0
Wire gage range (mm ²)	50
Configuration	Inline/device
Sealing options	Cable sealed
Plating options	Sn, Ag
Terminal orientation	90°
USCAR-20	>150,000 miles



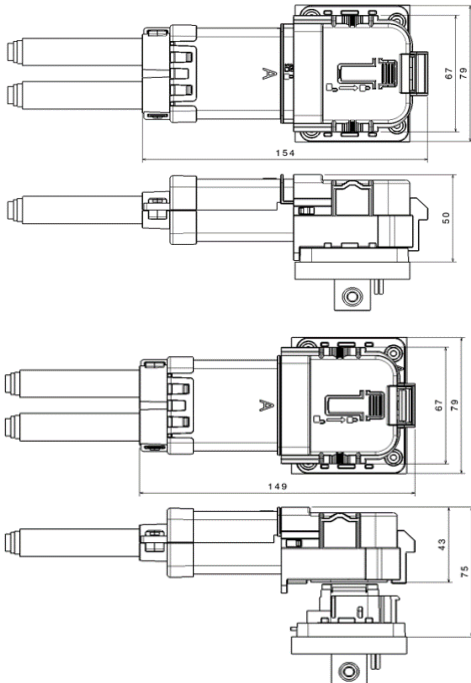
Powering Business Worldwide



2P HPLB LP8 sealed connector system (Ag plated) derated at 80% (preliminary data)



Packaging



Contact us

Headquarters:

info@royalpowersolutions.com
630-384-5500

Jason Simon (EV Business Development)

Jason.Simon@royalpowersolutions.com
586-854-2620

Marissa Ferreira (West Coast Account Manager)

Marissa.Ferreira@royalpowersolutions.com
916-521-1323



Scan to learn more about our HPLB!

Eaton
Sales & Business Development
7546 Baron Drive
Canton, MI 48187
(630) 384-5500
info@royalpowersolutions.com

© 2022 Eaton
All Rights Reserved
Printed in USA
June 2022

For more information contact:
Eaton.com/missionsystems

Eaton is registered trademark.

All other trademarks are property
of their respective owner.

