

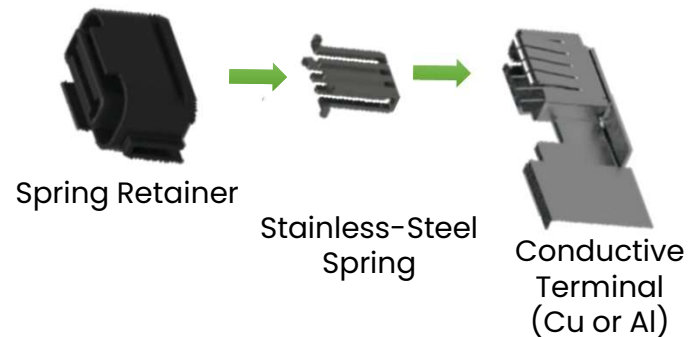
HPLB LP8 TERMINAL

HIGH POWER LOCK BOX



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
- Reliability - Inverted contact system improves contact force over terminal lifetime
- Connection Flexibility - Female terminal geometry tailored to application requirements
- Validated to USCAR-2 T4 / V4
- USCAR-38 Compliant
- Robust High-Speed Stamping MFG Process
- Available in copper & aluminum terminal bodies to avoid dissimilar metals within application
- HPLB terminations can improve both wire and busbar connections
- Terminal is ISL/TPA capable



MAX TEMPERATURE
175°C



MAX VIBRATION
31 G



MAX CURRENT
630 A



TERMINAL CAPABILITIES

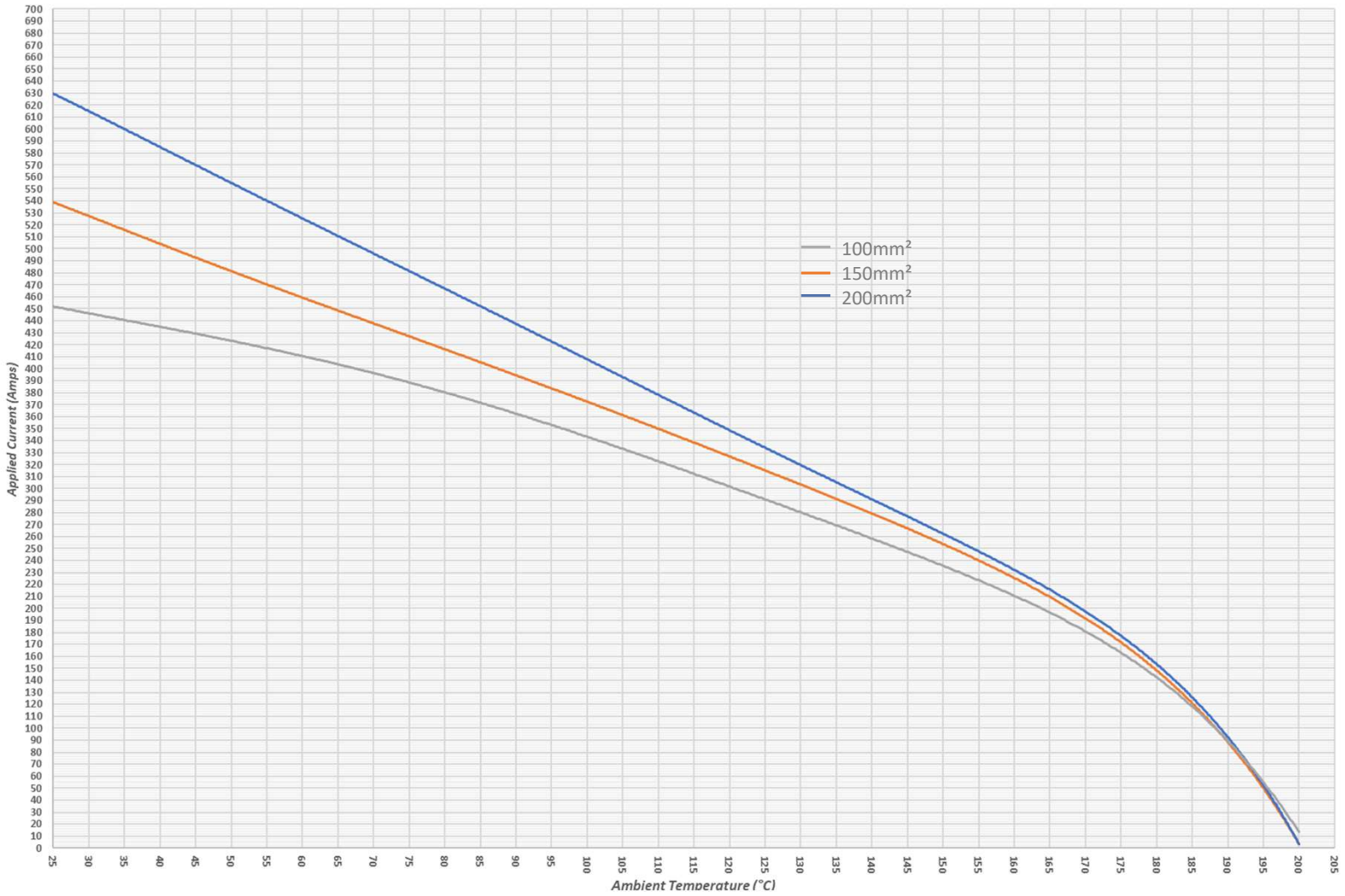
Terminal Construction	Three-piece
Wire Gage Range (AWG)	5 - 1/0
Wire Gage Range (mm ²)	16 - 50
Configuration	Inline/Device
Sealing Options	Cable Sealed
Plating Options	Sn, Ag
Terminal Orientation	90/180°
USCAR-20	>150,000 miles



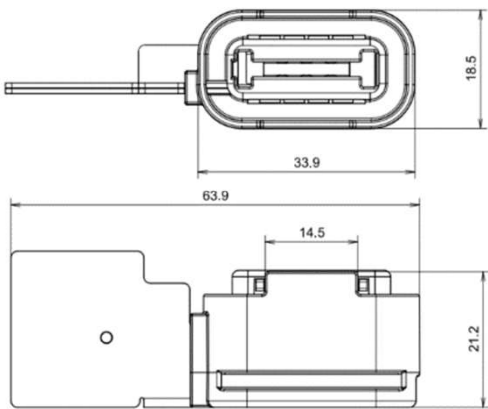
TECHNICAL CHARACTERISTICS

Contact Resistance	0.22 mΩ
Contact Mating Force	USCAR-25 compliant
Contact Un-mating Force	USCAR-25 compliant
Mating Cycles	30 (Sn) / 50 (Ag)

HPLB LP8 (Ag Plated) Derated at 80%

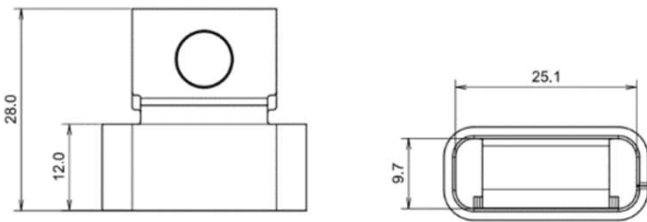


PACKAGING



Male 90°

Cavity standards available upon request



Female



Royal POWER SOLUTIONS

POWERING GREAT CONNECTIONS

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The test data was collected from single circuits in a draft free enclosure. This model does not account for all the variables that would be present in an actual application. For additional detailed product performance, visit our website at www.RoyalPowerSolutions.com