

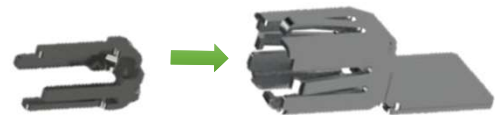
HPLB SQ4 TERMINAL

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



Stainless-Steel Spring

Conductive Terminal (Cu or Al)



TERMINAL CAPABILITIES

Terminal Construction	Two-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



MAX TEMPERATURE
175°C



MAX VIBRATION
31 G



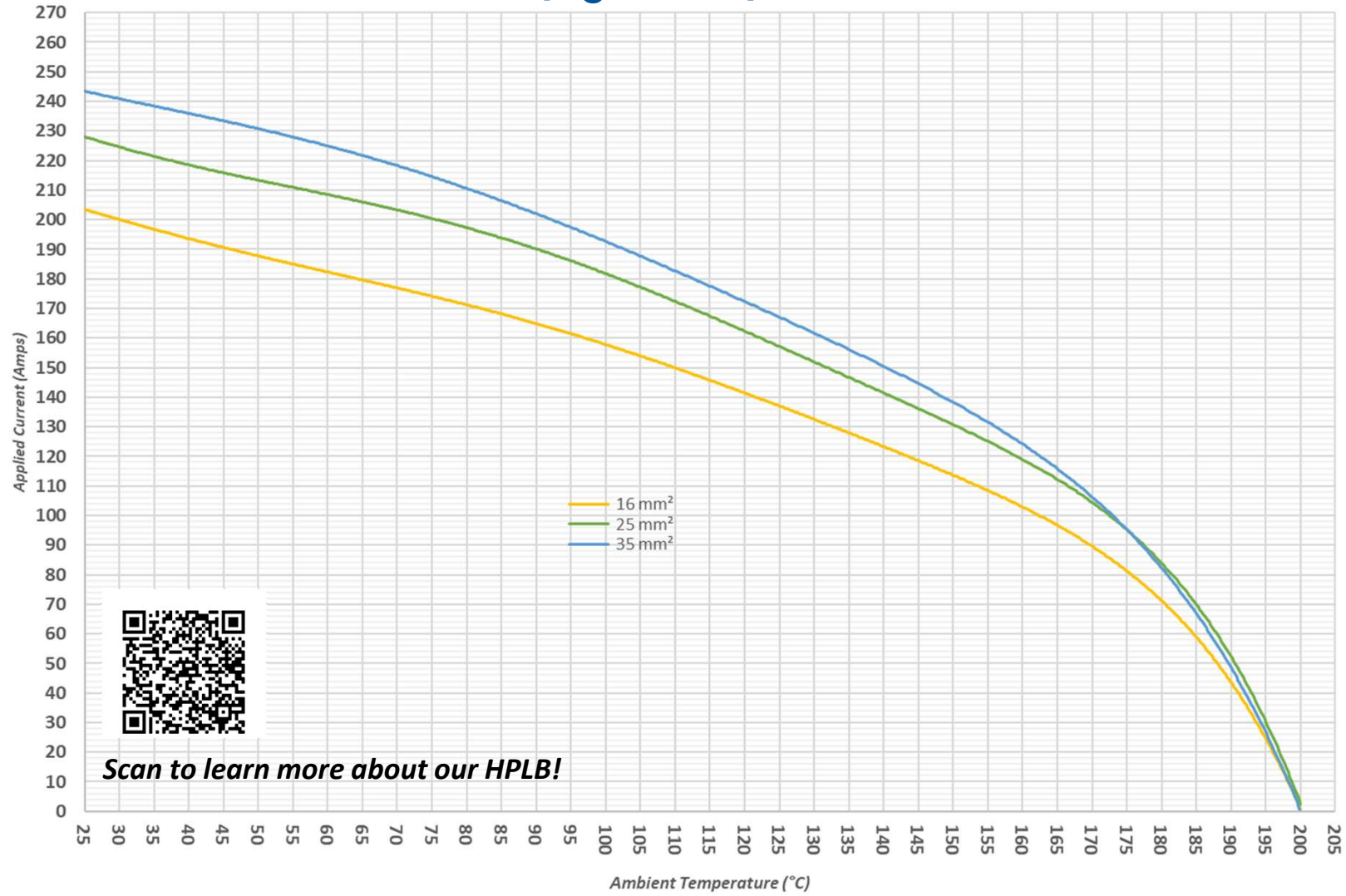
MAX CURRENT
245 A



TECHNICAL CHARACTERISTICS

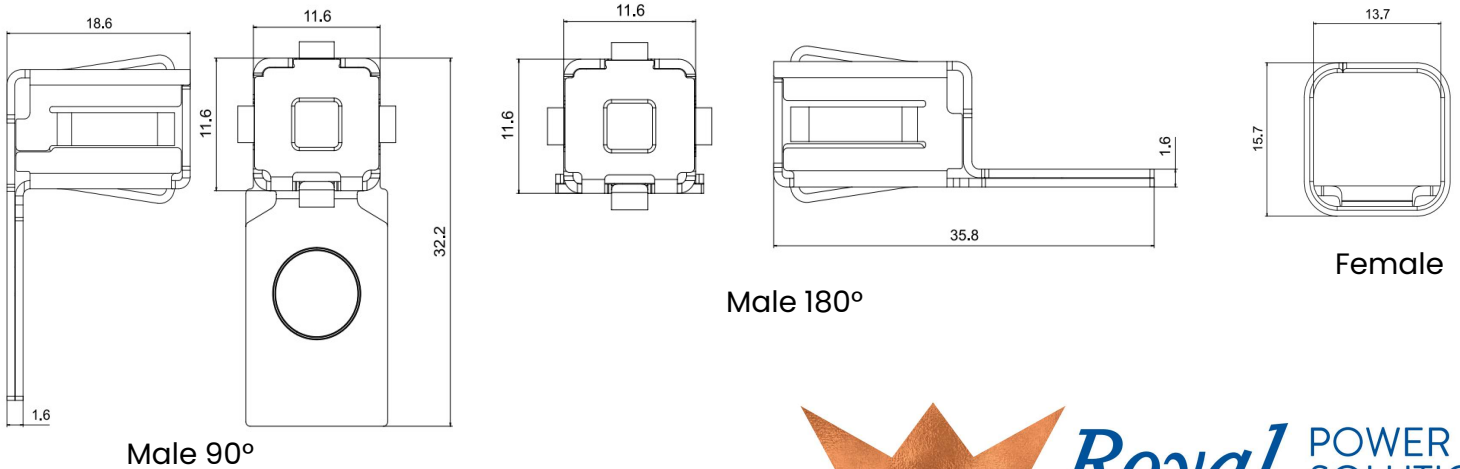
Contact Resistance	0.22 mΩ
Contact Mating Force	14 N
Contact Un-mating Force	13 N
Mating Cycles	30 (Sn) / 50 (Ag)

HPLB SQ4 (Ag Plated) Derated at 80%



Scan to learn more about our HPLB!

PACKAGING



Cavity standards available upon request

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



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