

HPLB NANO 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



Spring Retainer Stainless-Steel Spring Conductive Terminal (Cu or Al)



TERMINAL CAPABILITIES

Terminal Construction	Three-piece
Wire Gage Range (AWG)	13 - 7
Wire Gage Range (mm ²)	2.5 - 10
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



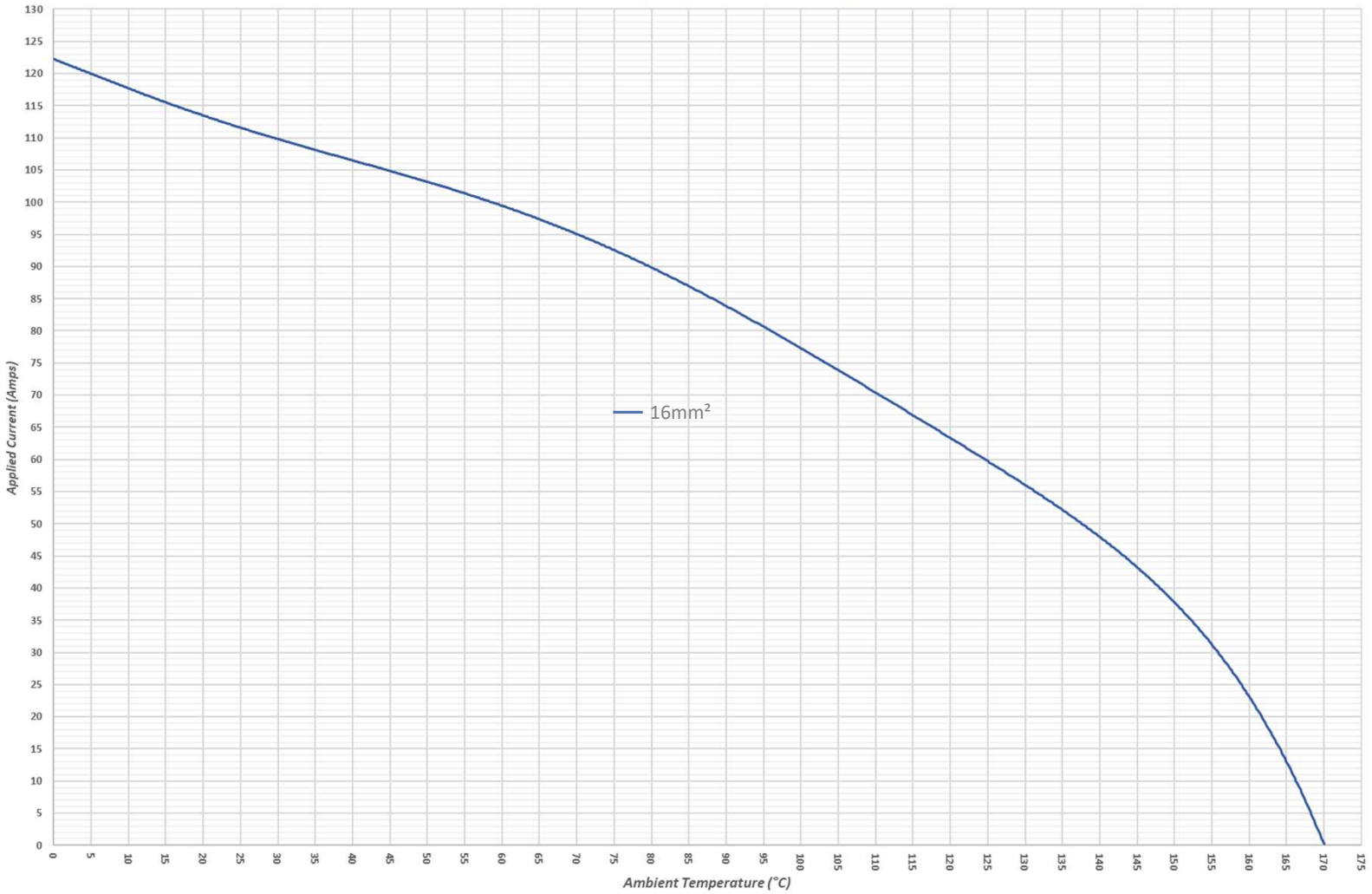
MAX CURRENT
120 A



TECHNICAL CHARACTERISTICS

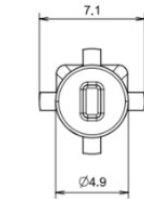
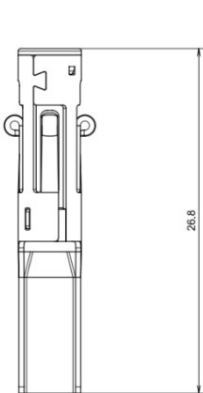
Contact Resistance	0.37 mΩ
Contact Mating Force	15 N
Contact Un-mating Force	18 N
Mating Cycles	30 (Sn) / 50 (Ag)

HPLB NANO (Ag Plated) Derated

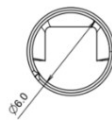


PACKAGING

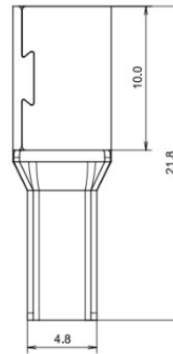
Scan to learn more about our HPLB!



Male



Female



Cavity standards available upon request

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Royal POWER SOLUTIONS
 POWERING GREAT CONNECTIONS