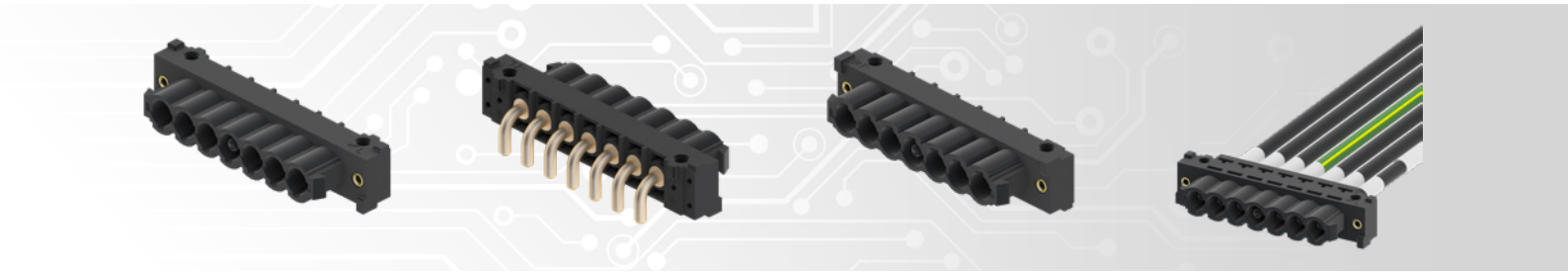
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PRODUCT BRIEF

POWER SUPPLY UNIT (PSU) HEADERS AND MATING MALE INLINES



BENEFITS

- Enable efficient power distribution in high-current PSU applications
- Support safe and reliable operation in critical infrastructure environments
- Simplify system integration with flexible header and inline assembly options
- Designed for AI, hyperscale data center, energy storage and power distribution applications

FEATURES

- Designed to OCP ORv3 power shelf architecture specifications
- PSU power interface solution featuring board-mounted headers and cable-side inline assemblies
- Multiple header configurations support flexible power shelf and PSU architectures
- Customizable inline assemblies enable application-specific cable routing and harness designs
- High-conductivity copper contact system with low-resistance electrical paths for efficient power transfer
- Touch-safe, finger-proof design enhances safety during installation and maintenance

ELECTRICAL PERFORMANCE

Power Contacts	Temperature Rise per EIA 364-70 Method II and III
Operating Voltage	NA: 480 V line-to-line, 277 V line-to-neutral EU: 346-415 V line-to-line, 200-240 V line-to-neutral
Contact Resistance	EIA 364-06, 0.4 mΩ (high conductivity); 0.6 mΩ max (standard)
Initial Contact Resistance	0.4 mΩ (high conductivity); 0.6 mΩ (standard)
Dielectric Withstand Voltage	4000 V DC at sea level

MATERIALS

Power Contacts	High-conductivity copper
Female Contacts	High-conductivity copper
Housing	High-temperature thermoplastic, UL 94 V-0, halogen-free
Finish	Gold over nickel plating

CERTIFICATIONS

UL1977	Pending

MECHANICAL & ENVIRONMENTAL PERFORMANCE

Mating Force	156 N Max
Un-mating Force	Not less than 9.73 N Min
Mating Cycles	100 cycles
Vibration Rating	EIA 364-28 Test Conditions VII & E
Thermal Shock /Humidity	EIA 364-32 Method A, Test Condition VII –55 °C to +105 °C EIA 364-31 Method IV
Sealing Class	Unsealed IP20
Touch-safe Rating	Finger-proof IP2XB
Operating Temperature Range	–55 °C to +105 °C
Temperature Life Test	EIA 364-17, Method A, Test Condition V; 125 °C, 168 hours
Packaging	Headers: Trays in box; Inlines: Individually bagged in box

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