APTIV

PRODUCT BRIEF

# POWER WHIP



## BENEFITS

- Simplifies global deployments with options tailored to regional power infrastructure requirements
- Speeds installation and system integration with cable assemblies available in multiple standard lengths
- Supports reliable power delivery for data centers, AI computing, battery backup and energy storage applications

## FEATURES

- Designed to OCP ORv3 power shelf architecture specifications
- Available in NEMA 20A and IEC 32A configurations
- Compact, right-angle overmolded styling provides cable management and durable strain relief at each end
- Flexible cable construction for ease of routing
- Finger-safe IP2XB design protects against accidental contact
- Ergonomic finger grips for easy mating and unmating
- Customer branding available

## 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<br>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 |
| Cable | NA: STW 12 AWG (NEMA)<br>EU: H07RN-F 6 mm² (IEC) |

## CERTIFICATION

| | |
|---|---|
| UL1977 / 817 | 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<br>–55 °C to +105 °C<br>EIA 364-31 Method IV |
| Temperature Life Test | EIA 364-17, Method A, Test Condition V; 125 °C, 168 hours |
| Sealing Class | Unsealed IP20 |
| Touch-safe Rating | Finger-proof IP2XB |
| Operating Temperature Range | –55 °C to +105 °C |
| Packaging | Individually bagged in cardboard box |


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