

RockKet Performance (Reference MIL-C-55302)

Contact Rating RK2-8 AWG (42 amperes)
 RK3-16 AWG (13 amperes)
 RK4-20 AWG (5 amperes)
 RK6-24 AWG (3 amperes)

Operating Temp. -65° to +125° C or -85° to +257° F

| Category | Requirements | Test Method Per: SAE AS 13441 |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Test Voltage | 750 V, RMS, 60 Hz @ sea level 250 V, RMS, 60 Hz @ 70,000 feet | #3001 |
| Insulation Resistance | 5,000 megohms minimum @ 500 VDC per | #3003 |
| Durability | 500 connector mating cycles | |
| Vibration | Mated connectors, Test Condition III | #2005 |
| Shock | Mated connectors, Test Condition B | #2004 |
| Salt Spray | Mated connectors, Test Condition G | #1001 |
| Humidity | Test type II, except steps 7A and 7B not required | #1002 |
| Temperature Cycling | Mated connectors, Test condition A | #1003 |
| Contact Resistance | .015 ohms max (interface measurement) @ 3 amperes | #3004 |
| Contact Engagement/ Separation | RK2-8 AWG 160 oz. max. engagement, 4 oz. min. separation RK3-16 AWG 30 oz. max. engagement, 3 oz. min. separation RK4-20 AWG 18 oz. max. engagement, 0.7 oz. min. separation RK6-24 AWG 6 oz. max. engagement, 0.5 oz. min. separation | |
| Outgassing | The entire connector assembly shall have maximum total mass loss (TML) of 1.0 percent of the original specimen mass and shall have a maximum volatile condensable material (VCM) content of 0.1 percent of the original specimen mass. | |

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