

10-42220-4S

Specifications

Attribute	Value
Technical Specifications	
Shell Size	20 (Determined by the 20 in the core part prefix).
Insert Configuration	20-4 (Arrangement code for 4 high-power contacts).
Contact Quantity	4 Contacts total.
Contact Gender	Socket (Female), denoted by the -4S suffix.
Mating Style	Heavy-duty threaded coupling mechanism built to strict military and commercial aerospace standards.
Material & Construction	
Feature	Standard Specification
Shell Material	High-grade Aluminum Alloy
Shell Plating	Olive Drab Chromate over Cadmium or Electroless Nickel
Insulator	High-dielectric resilient neoprene or synthetic rubber
Contact Material	Machined copper alloy (Silver-plated or Gold-plated options)
Electrical & Environmental Performance	
Operating Temperature	-55°C to +125°C (-67°F to +257°F).
Current Capacity	Tailored for heavy-duty power routing; individual contact ratings vary between 13A to 80A depending on wire gauge thickness compatibility (Size 16 up to Size 4 pins).
Environmental Sealing	Built-in moisture barrier with specialized O-ring and rear grommet sealing to protect wire wells against oil, Skydrol, ozone, and vibration.